

model	poznámka	vlastnost	n	var(A)	$\mu_{p,w}$	$\mu_{p,w} / sd(A)$	$b_{w,p}$
A1		ADG	4267	441.40	0.36	0.02	1.02
		BF		0.06	0.01	0.02	
		MD		1.74	-0.02	-0.02	
A1_UPG		ADG	4267	441.40	0.23	0.01	0.99
		BF		0.06	0.00	0.00	
		MD		1.74	-0.05	-0.04	
A2		ADG	4267	511.00	-0.89	-0.04	0.96
		BF		0.08	0.01	0.02	
		MD		1.92	-0.02	-0.01	
A2_UPG		ADG	4267	511.00	-2.07	-0.09	0.94
		BF		0.08	0.02	0.06	
		MD		1.92	-0.04	-0.03	
G1		ADG	4267	419.20	0.24	0.01	0.99
		BF		0.06	0.01	0.03	
		MD		1.76	0.00	0.00	
G1_UPG		ADG	4267	419.20	-0.17	-0.01	0.98
		BF		0.06	-0.01	-0.03	
		MD		1.76	-0.03	-0.02	
G2		ADG	4267	477.90	-1.23	-0.06	0.93
		BF		0.08	0.00	0.00	
		MD		1.97	-0.05	-0.03	
G2_UPG		ADG	4267	477.90	-2.58	-0.12	0.92
		BF		0.08	0.00	0.00	
		MD		1.97	-0.05	-0.04	
G1b	AlphaBeta 0.80 0.20	ADG	4267	419.20	-0.12	-0.01	1.00
		BF		0.06	-0.01	-0.02	
		MD		1.76	-0.04	-0.03	
G1c	AlphaBeta 0.65 0.35	ADG	4267	419.20	-0.03	0.00	1.01
		BF		0.06	0.00	-0.02	
		MD		1.76	-0.04	-0.03	
G1d	AlphaBeta 0.50 0.50	ADG	4267	419.20	0.04	0.00	1.02
		BF		0.06	0.00	-0.01	
		MD		1.76	-0.04	-0.03	
G1e	tunedG 0	ADG	4267	419.20	0.40	0.02	0.98
		BF		0.06	0.00	-0.01	
		MD		1.76	0.02	0.01	
G1f	tunedG 1	ADG	4267	419.20	0.40	0.02	0.97
		BF		0.06	0.00	-0.01	
		MD		1.76	0.02	0.01	
G1g	tunedG 3	ADG	4267	419.20	-0.14	-0.01	0.98
		BF		0.06	-0.01	-0.03	
		MD		1.76	-0.03	-0.02	
G1h	tunedG 4	ADG	4267	419.20	-0.17	-0.01	0.98
		BF		0.06	-0.01	-0.03	

MD

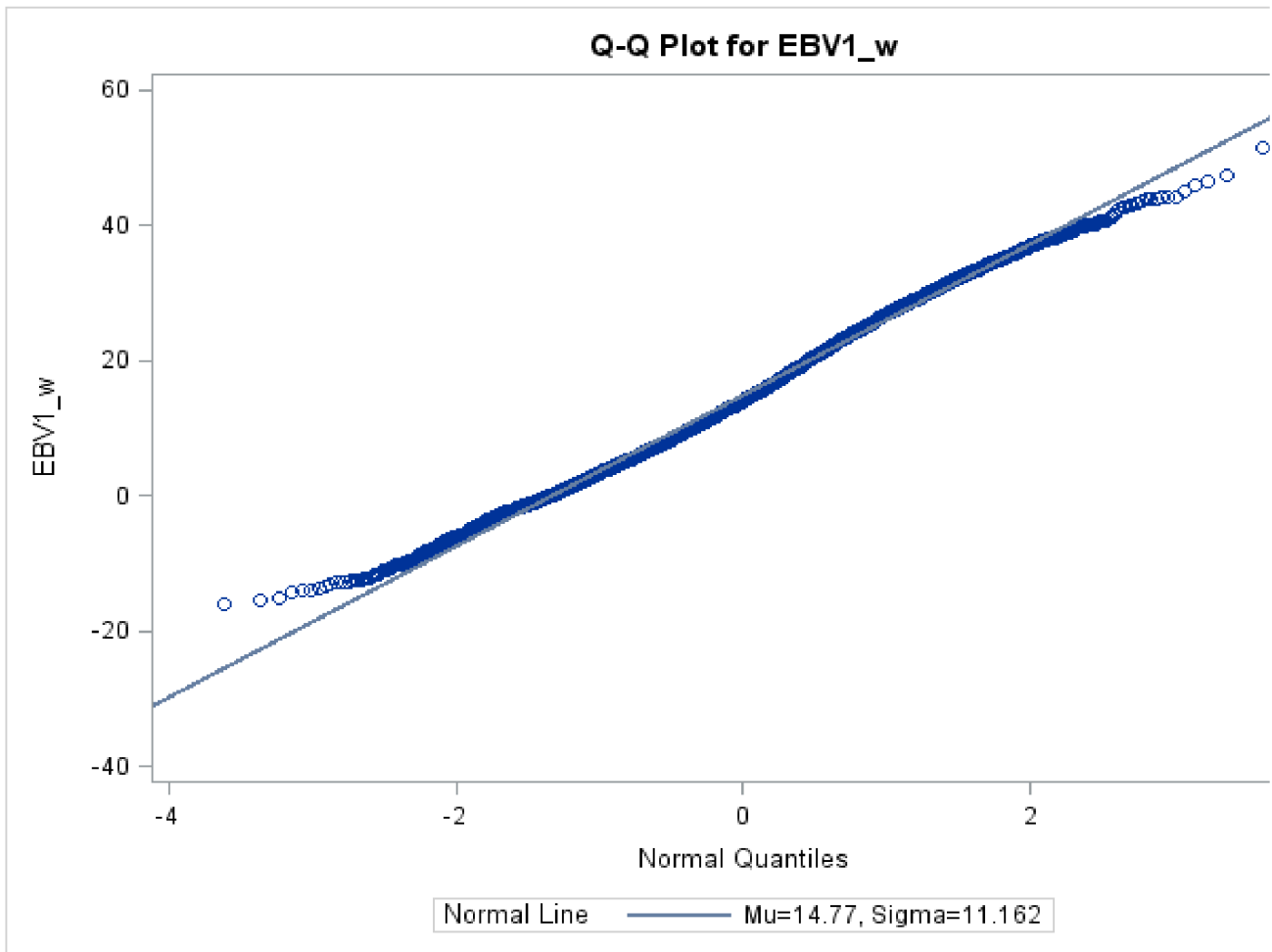
1.76

-0.03

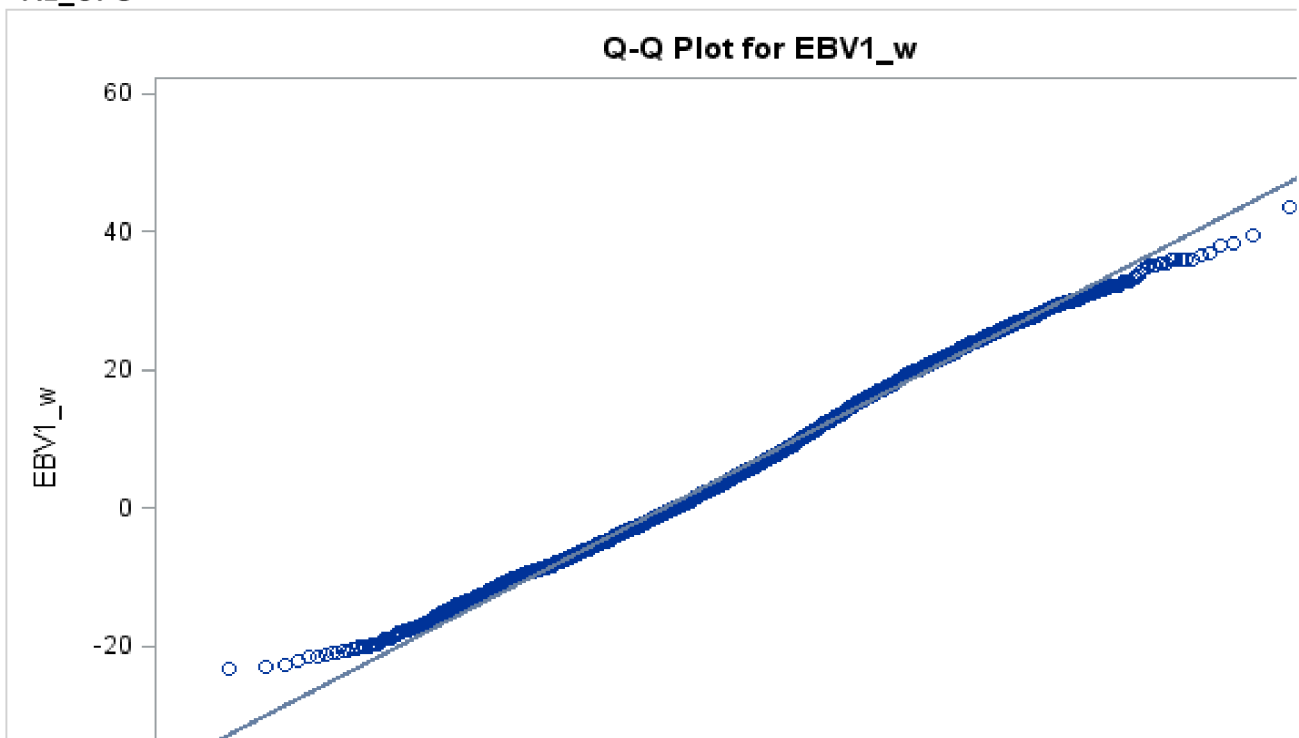
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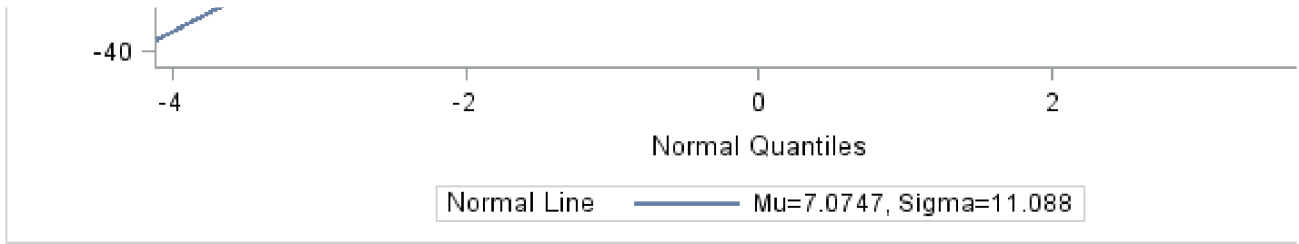
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A1

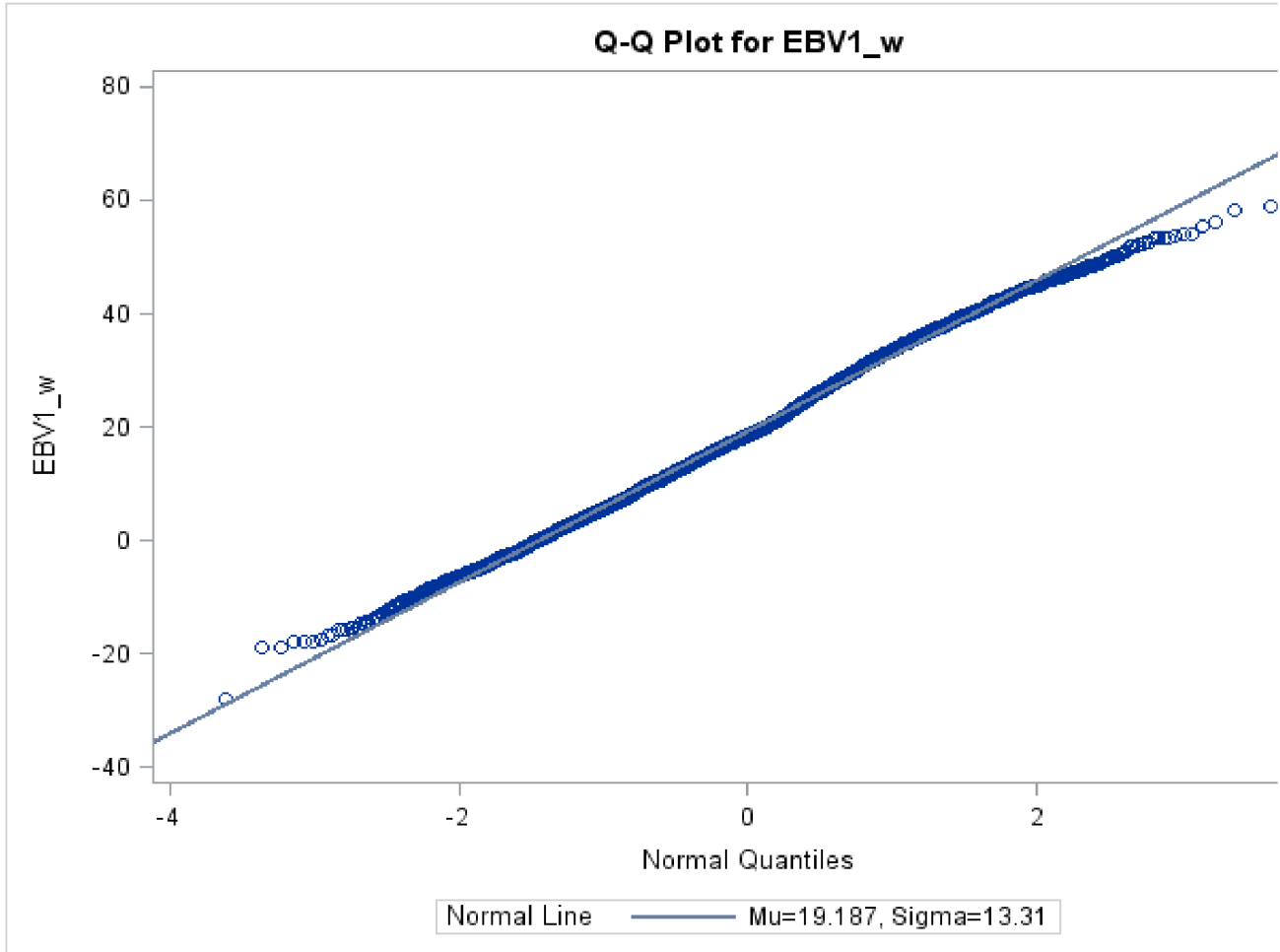


A1_UPG

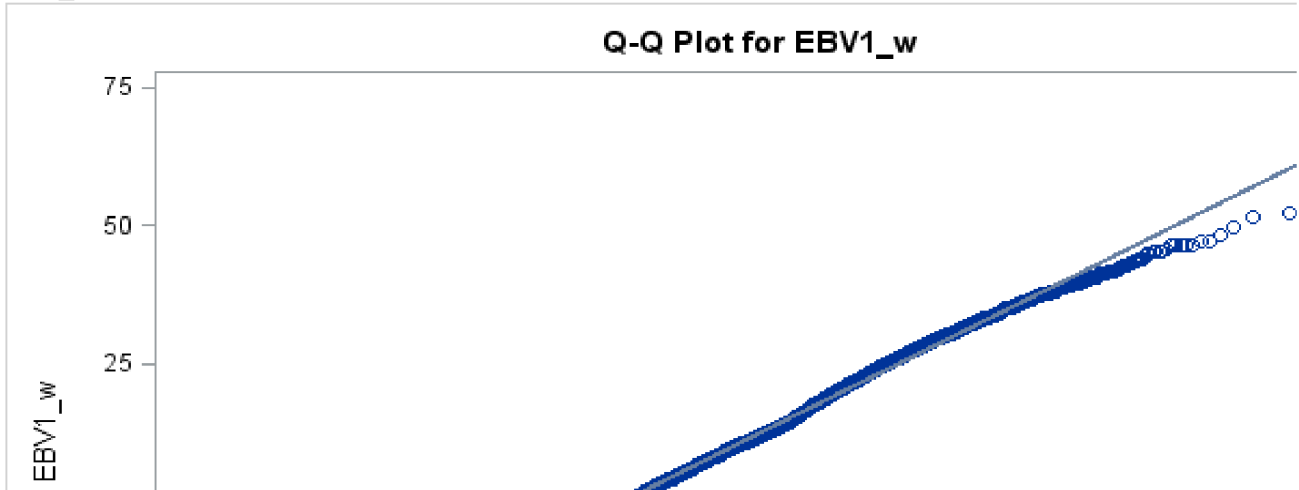


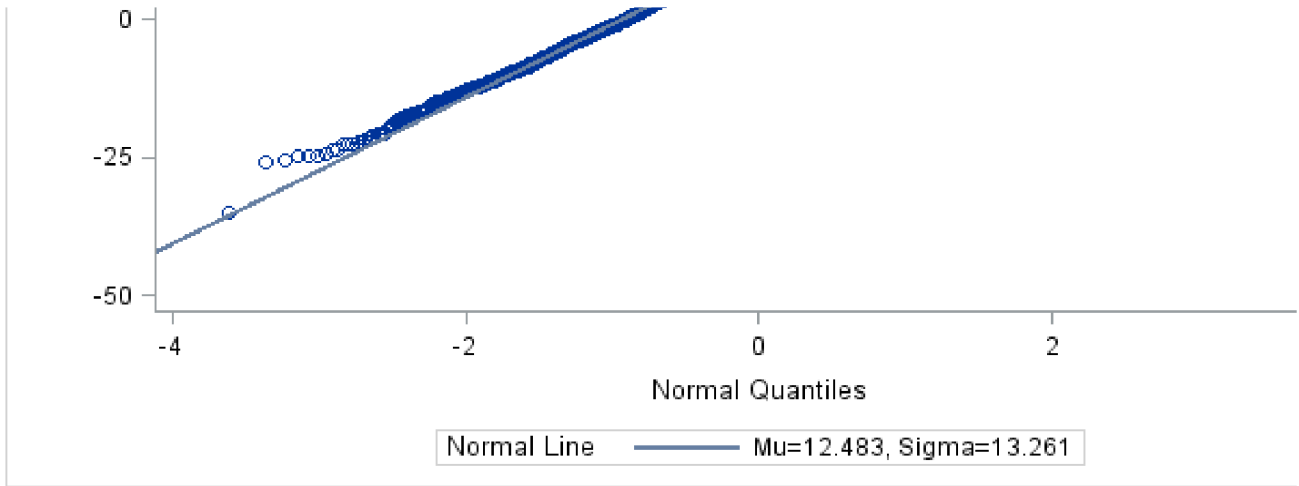


A2

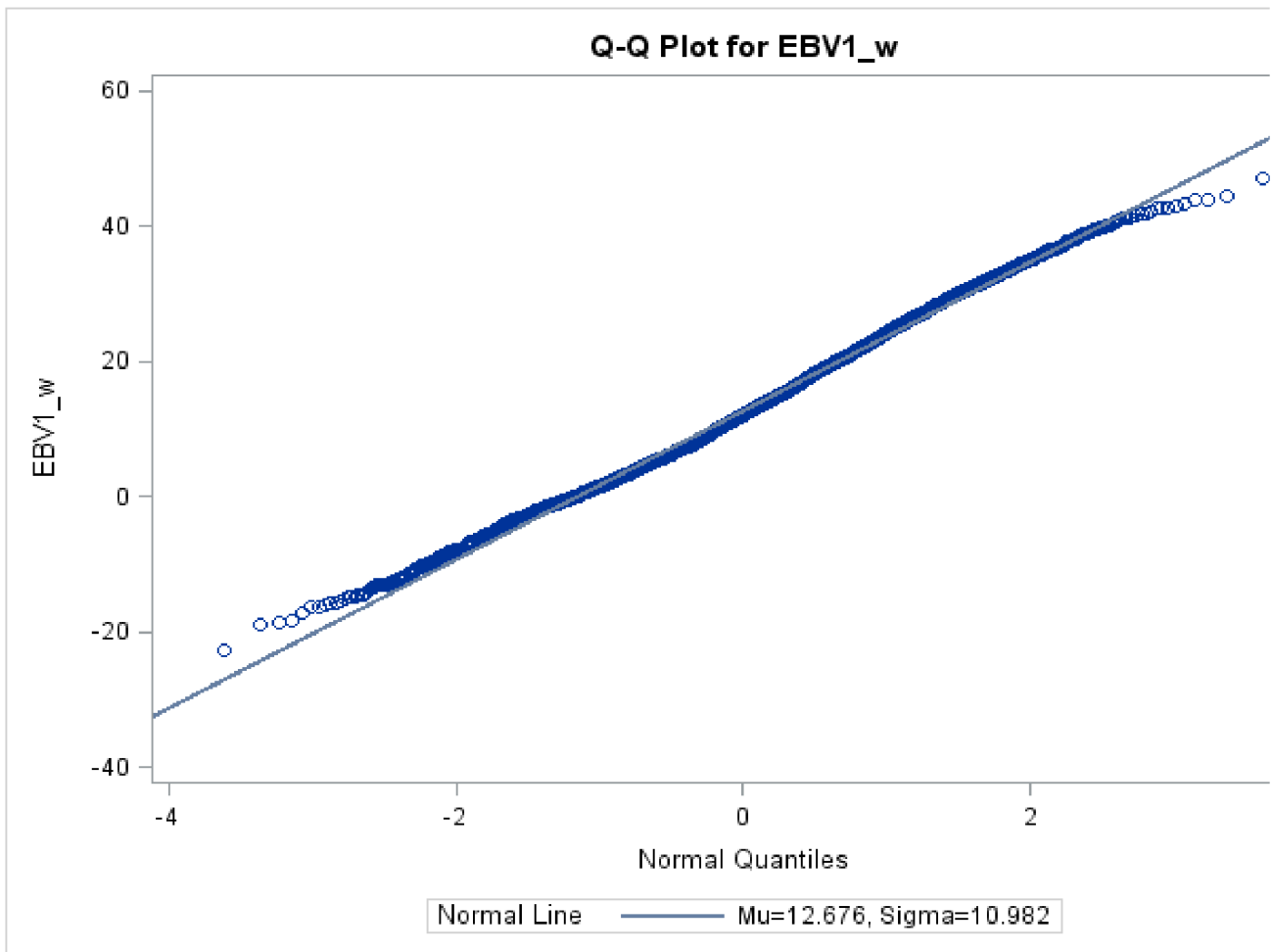


A2_UPG

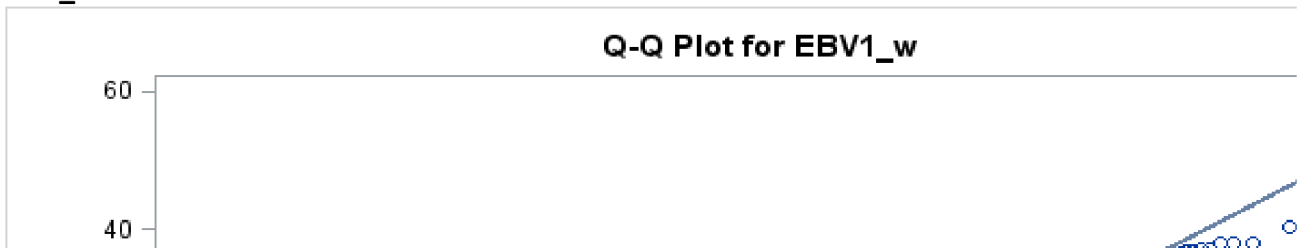


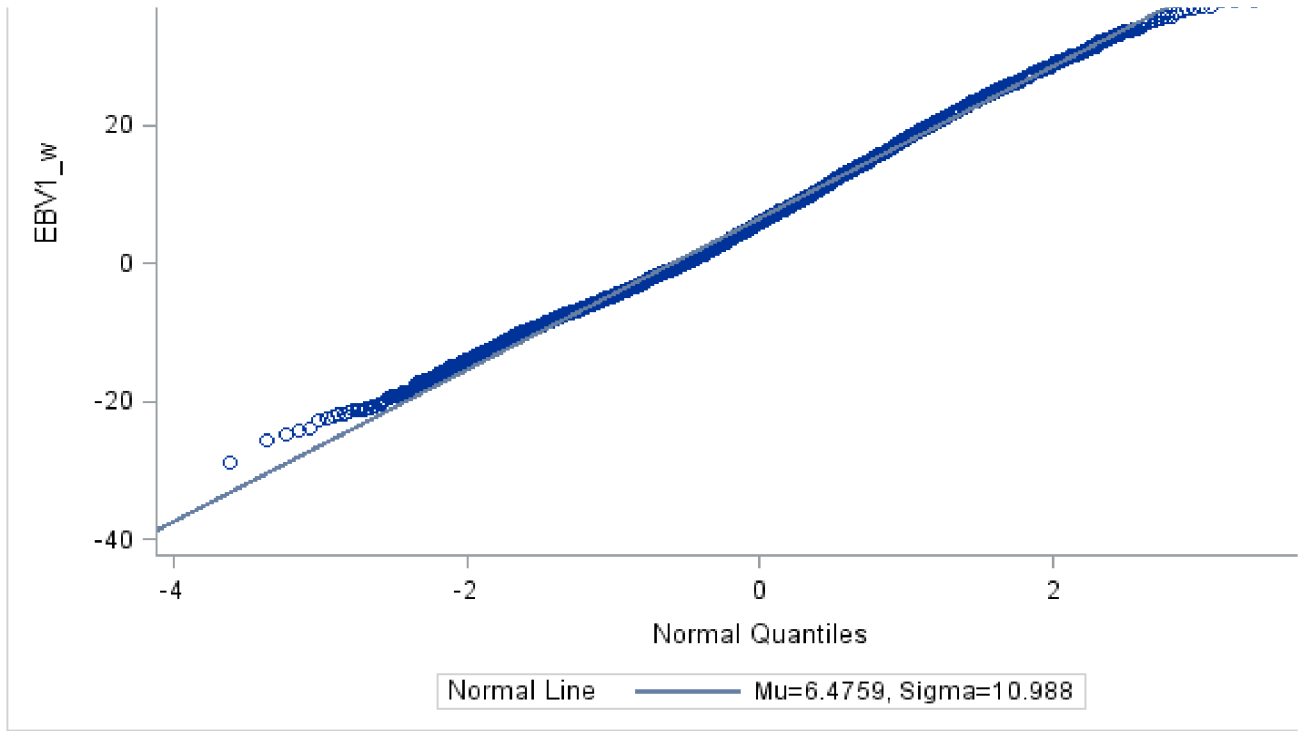


G1

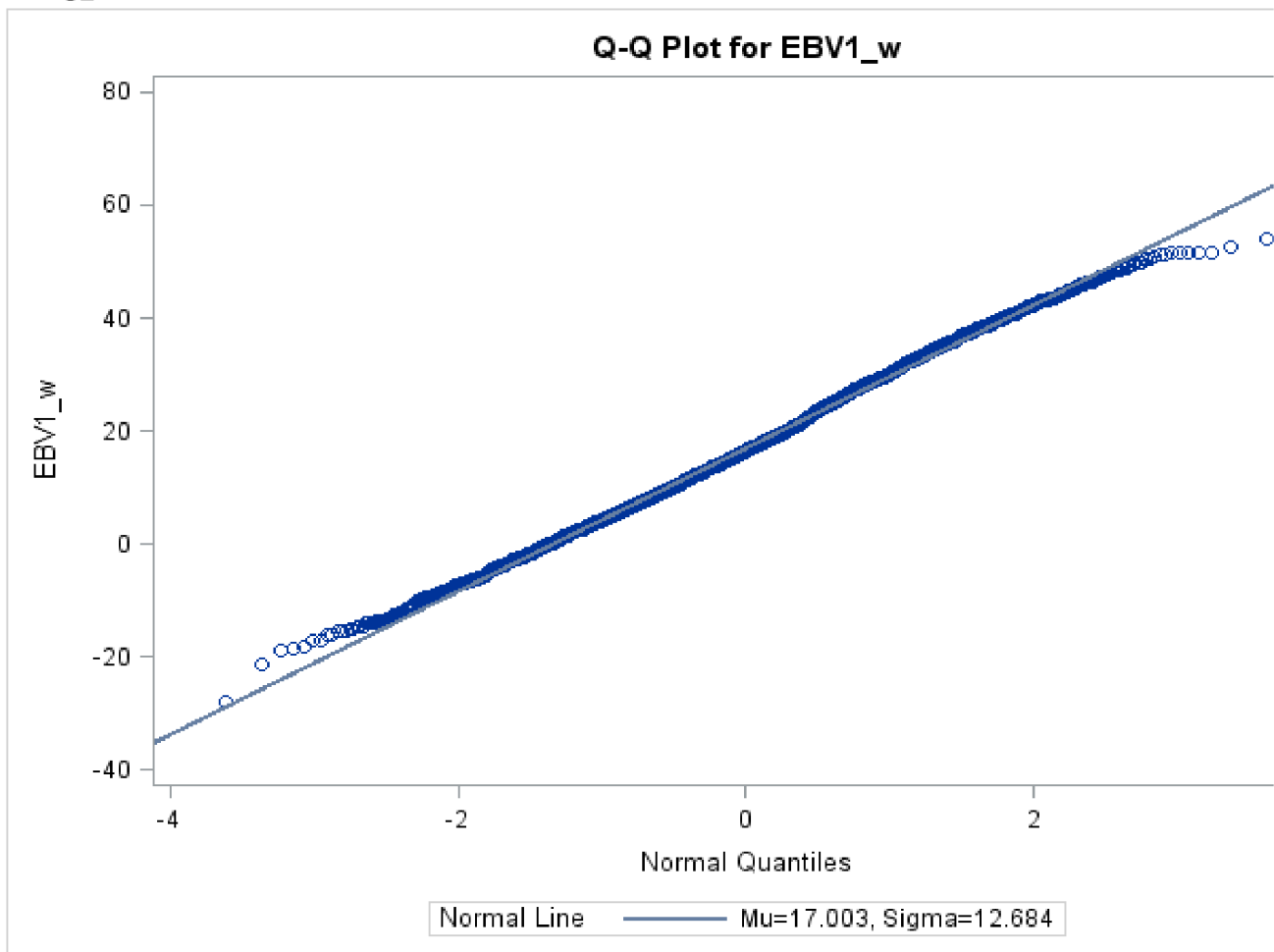


G1_UPG



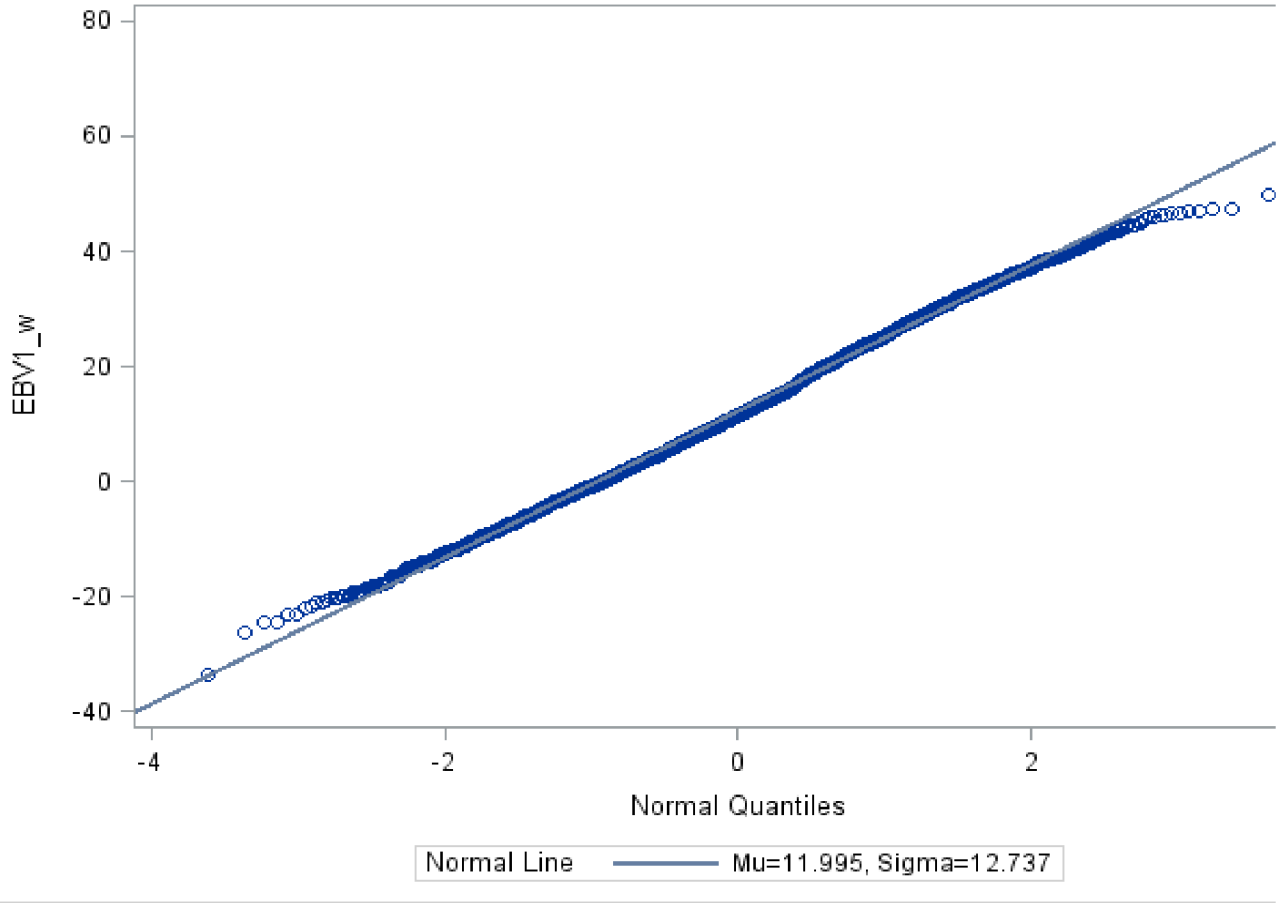


G2



G2_UPG

Q-Q Plot for EBV1_w



ČERVENÉ BÍLÉ UŠLECHTILÉ: validace BLUP a ssGBLUP animal modelů

1 - b _{w,p}		ρ	ρ ⁻¹	acc_LR		PrA	
-0.02		0.57	1.76		0.30		0.14
0.15	0.08	0.57	1.74	1.73	0.25	0.28	0.08
0.06		0.60	1.67		0.30		0.09
0.01		0.56	1.78		0.30		0.14
0.17	0.09	0.57	1.75	1.75	0.25	0.28	0.08
0.11		0.58	1.73		0.30		0.09
0.04		0.56	1.77		0.34		0.17
0.31	0.20	0.59	1.69	1.72	0.30	0.33	0.09
0.25		0.59	1.69		0.33		0.10
0.06		0.56	1.80		0.34		0.16
0.35	0.22	0.58	1.73	1.75	0.30	0.32	0.09
0.26		0.58	1.71		0.33		0.10
0.01		0.62	1.61		0.34		0.15
0.17	0.10	0.60	1.68	1.64	0.27	0.31	0.08
0.11		0.61	1.65		0.31		0.09
0.02		0.62	1.61		0.34		0.15
0.18	0.12	0.59	1.69	1.66	0.27	0.31	0.08
0.16		0.59	1.69		0.31		0.08
0.07		0.61	1.65		0.37		0.16
0.31	0.21	0.59	1.70	1.68	0.29	0.33	0.09
0.25		0.59	1.71		0.32		0.09
0.08		0.61	1.65		0.37		0.16
0.35	0.23	0.57	1.77	1.72	0.29	0.33	0.08
0.27		0.57	1.74		0.32		0.09
0.00		0.62	1.62		0.34		0.15
0.17	0.11	0.59	1.70	1.67	0.27	0.30	0.08
0.15		0.59	1.69		0.31		0.09
-0.01		0.61	1.64		0.33		0.15
0.17	0.10	0.59	1.71	1.68	0.26	0.30	0.08
0.13		0.59	1.70		0.31		0.09
-0.02		0.60	1.66		0.32		0.15
0.16	0.10	0.58	1.72	1.69	0.26	0.30	0.08
0.12		0.59	1.70		0.30		0.09
0.02		0.63	1.59		0.35		0.15
0.18	0.12	0.60	1.67	1.65	0.28	0.32	0.08
0.17		0.59	1.68		0.32		0.08
0.03		0.63	1.60		0.35		0.15
0.18	0.13	0.60	1.67	1.65	0.28	0.32	0.08
0.17		0.59	1.69		0.32		0.08
0.02		0.62	1.61		0.34		0.15
0.18	0.12	0.59	1.68	1.66	0.27	0.31	0.08
0.16		0.59	1.68		0.32		0.09
0.02		0.62	1.61		0.34		0.15
0.18	0.12	0.59	1.69	1.66	0.27	0.31	0.08

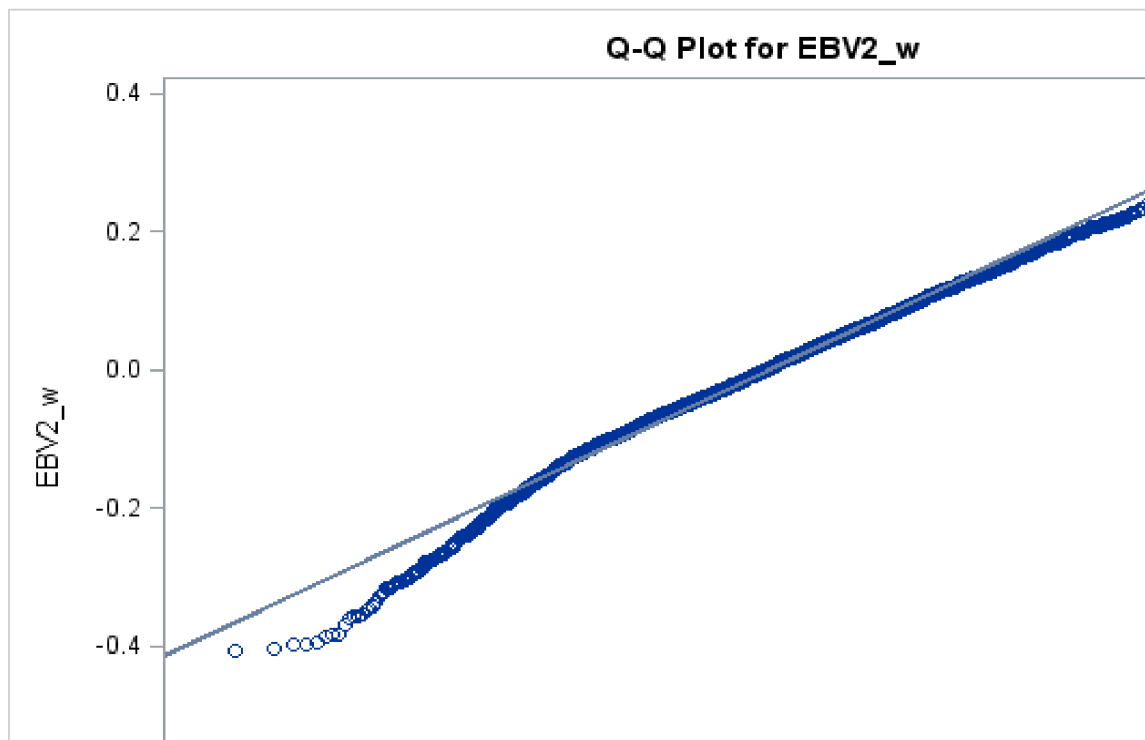
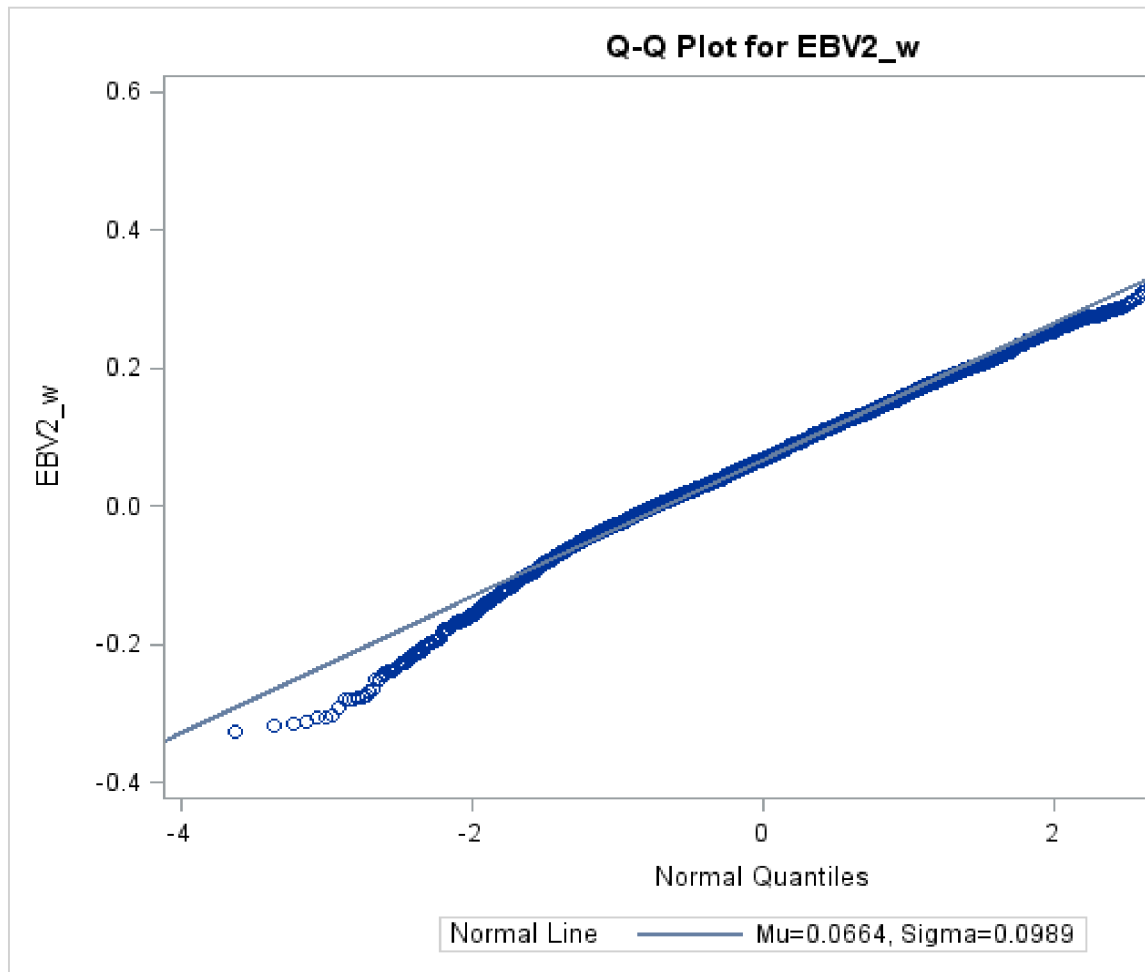
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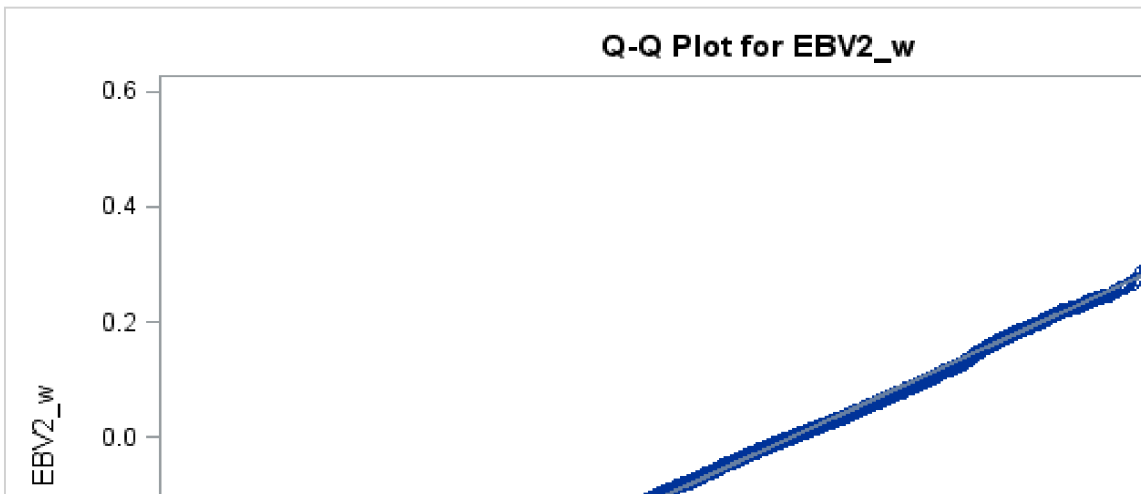
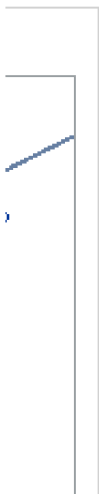
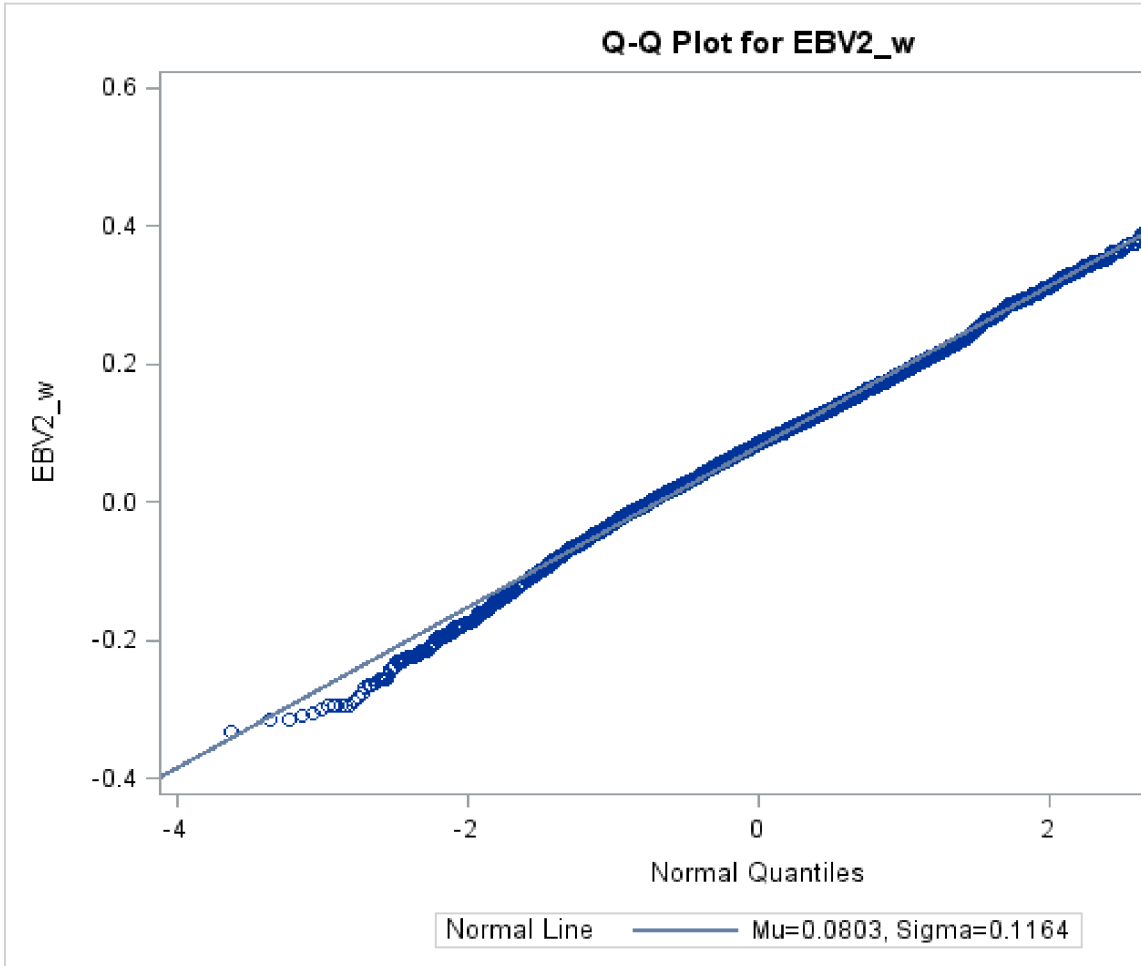
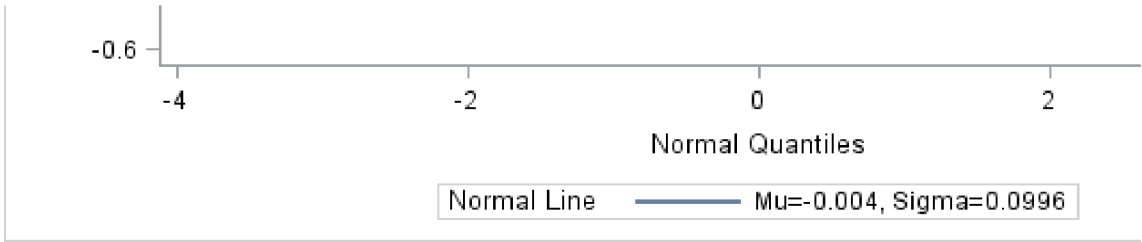
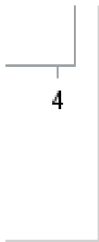
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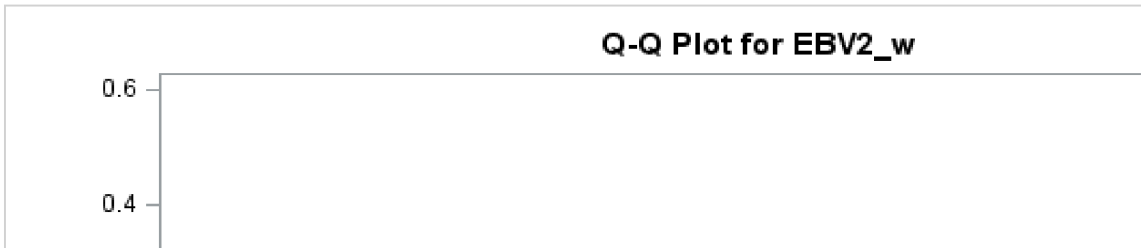
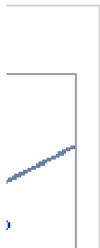
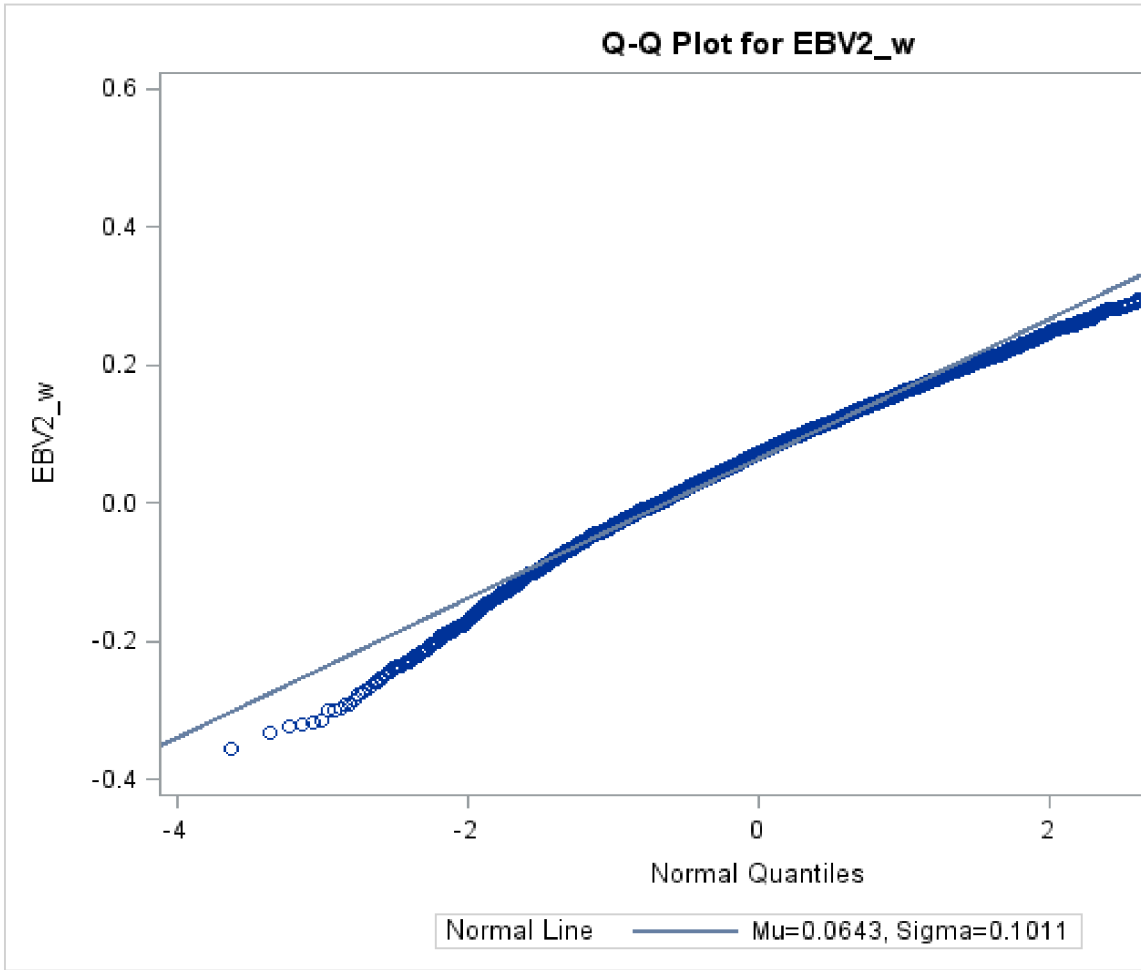
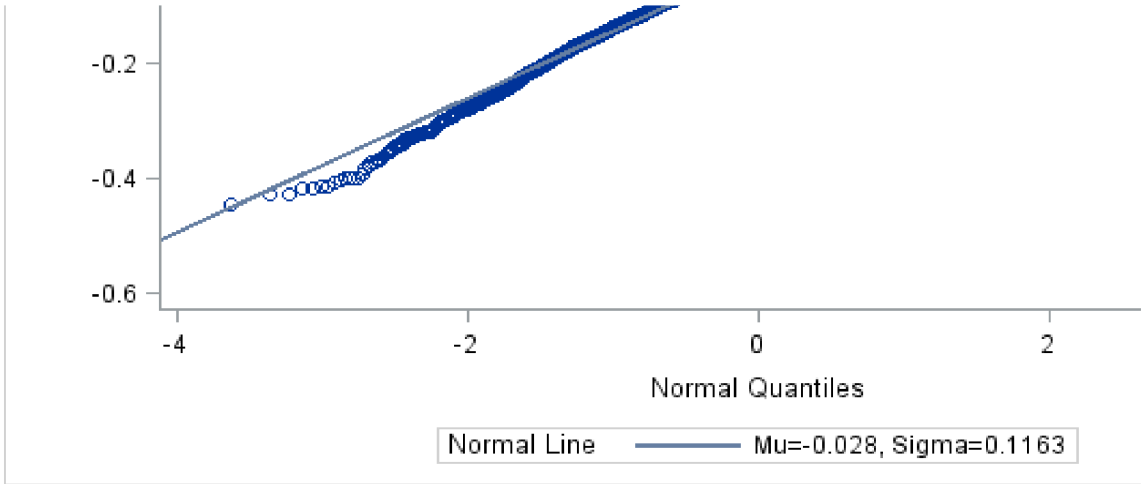
1.69

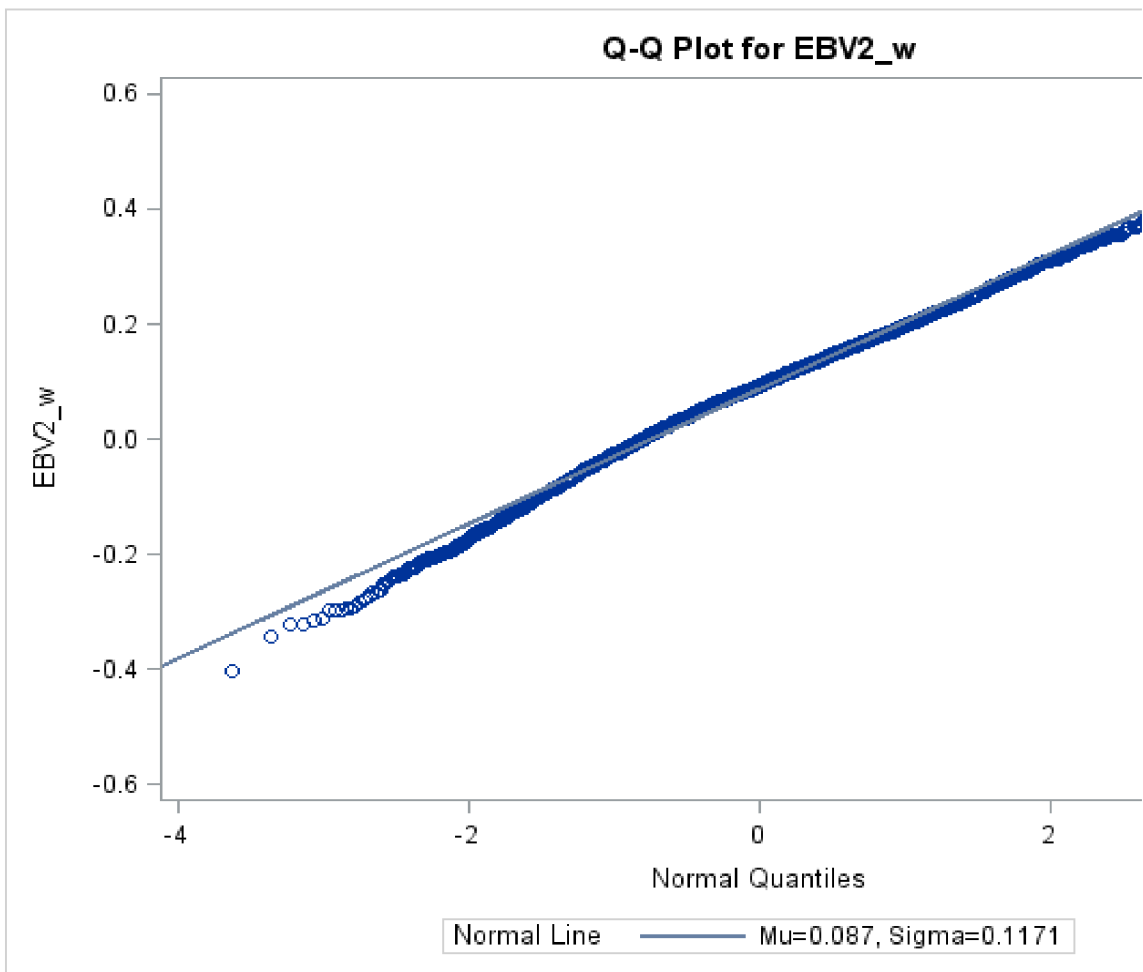
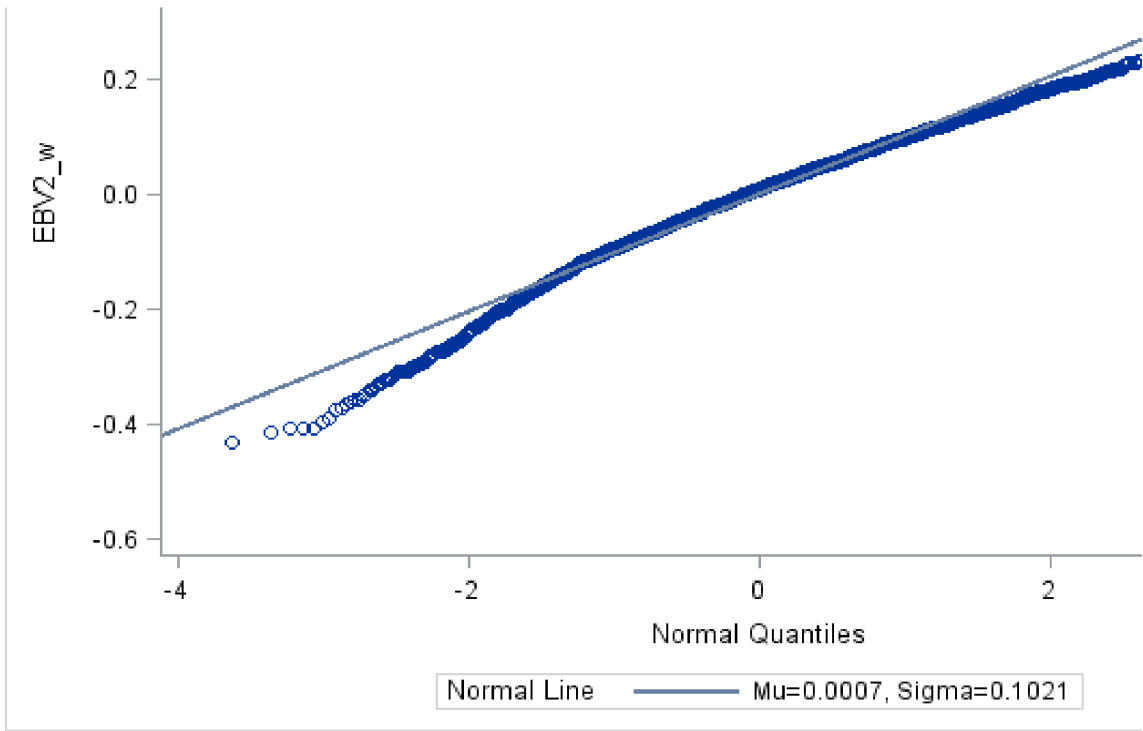
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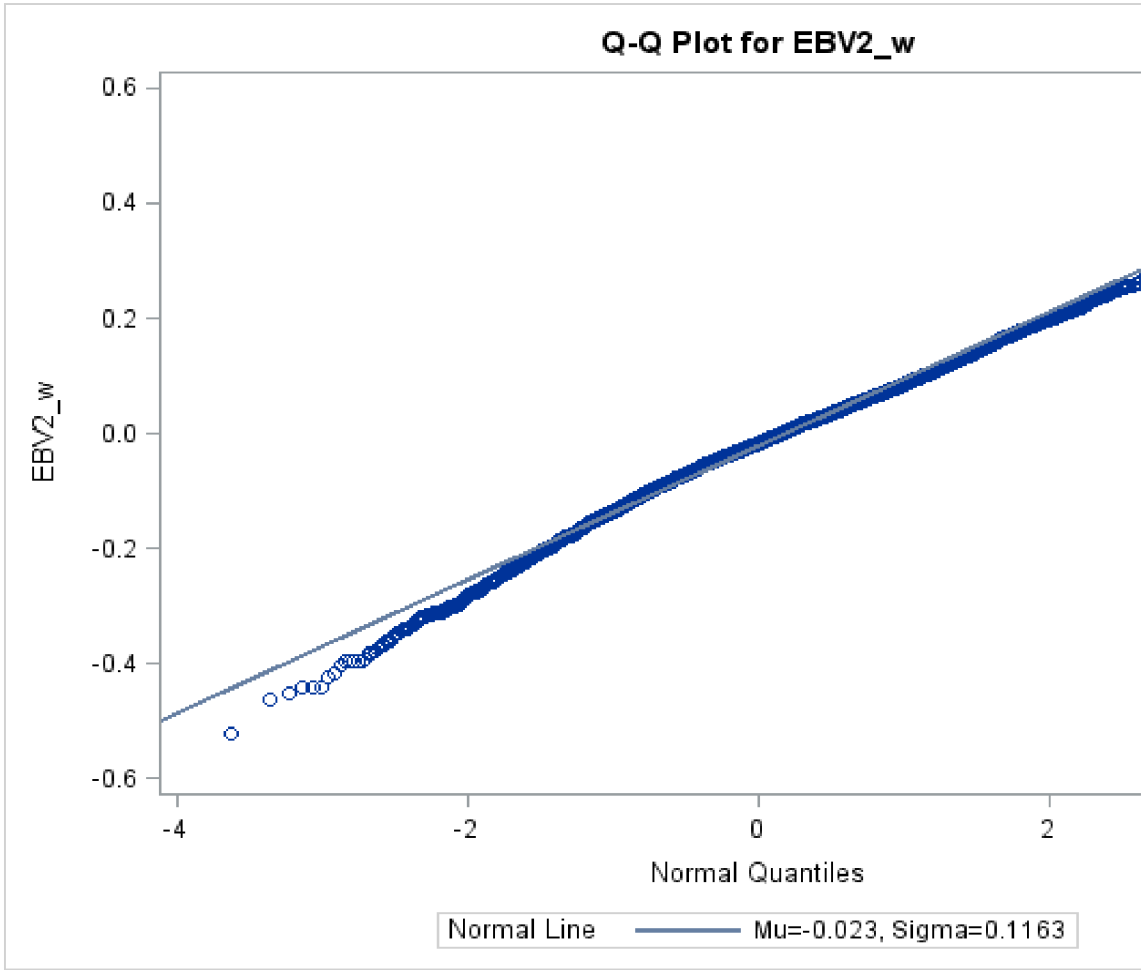
0.09











individuální spolehlivosti: celá kohorta vs. genotypovaná kohorta

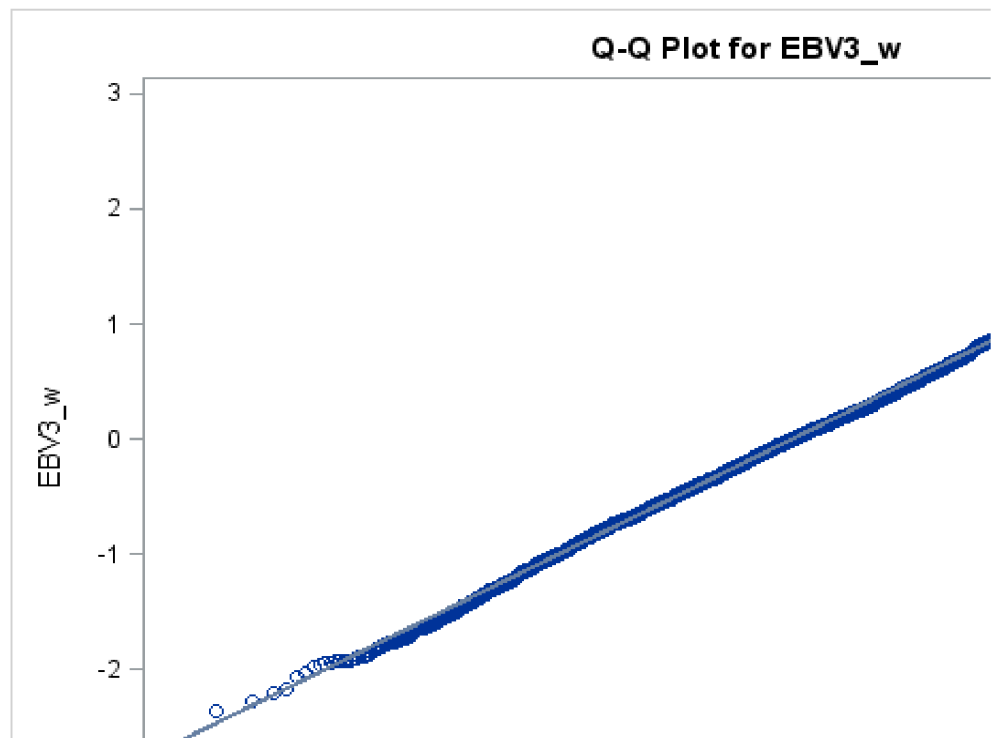
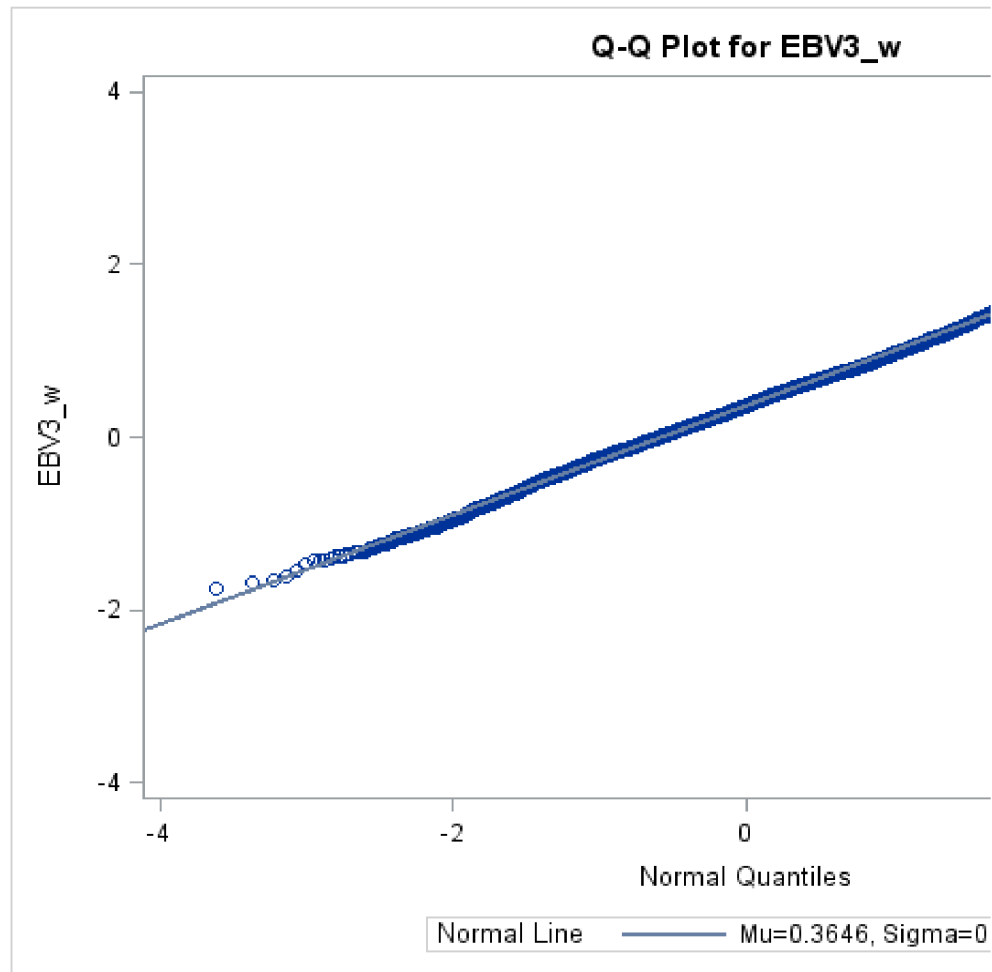
data w (n = 4267)		data p (n = 4267)		data w (n = 52)		data p (n = 52)	
0.39		0.21		0.51		0.21	
0.34	0.36	0.18	0.20	0.46	0.49	0.18	0.20
0.36		0.20		0.48		0.20	
0.30		0.12		0.43		0.12	
0.25	0.27	0.09	0.10	0.37	0.40	0.08	0.10
0.27		0.10		0.40		0.10	
0.41		0.22		0.54		0.22	
0.36	0.38	0.20	0.21	0.49	0.51	0.20	0.21
0.37		0.20		0.50		0.20	
0.33		0.14		0.46		0.14	
0.27	0.30	0.10	0.12	0.40	0.42	0.10	0.12
0.29		0.11		0.42		0.11	
0.39		0.23		0.57		0.32	
0.35	0.37	0.20	0.21	0.52	0.54	0.28	0.30
0.37		0.21		0.54		0.30	
0.30		0.13		0.48		0.22	
0.25	0.28	0.10	0.12	0.42	0.45	0.18	0.20
0.27		0.12		0.45		0.20	
0.41		0.24		0.59		0.34	
0.37	0.39	0.22	0.23	0.55	0.57	0.31	0.32
0.38		0.22		0.56		0.31	
0.33		0.15		0.51		0.25	
0.28	0.30	0.12	0.14	0.46	0.48	0.21	0.22
0.29		0.13		0.47		0.22	
0.30		0.13		0.46		0.19	
0.25	0.27	0.09	0.11	0.40	0.43	0.15	0.17
0.27		0.11		0.43		0.17	
0.30		0.12		0.45		0.17	
0.24	0.27	0.09	0.11	0.39	0.42	0.13	0.15
0.27		0.11		0.42		0.15	
0.30		0.12		0.44		0.15	
0.24	0.27	0.09	0.10	0.37	0.41	0.11	0.13
0.27		0.10		0.41		0.13	
0.31		0.31		0.49		0.22	
0.26	0.29	0.26	0.29	0.43	0.46	0.18	0.20
0.29		0.29		0.46		0.20	
0.30		0.13		0.48		0.21	
0.26	0.28	0.11	0.12	0.42	0.45	0.18	0.19
0.28		0.12		0.46		0.20	
0.30		0.13		0.47		0.21	
0.25	0.27	0.10	0.11	0.41	0.44	0.16	0.19
0.27		0.11		0.44		0.19	
0.30		0.13		0.48		0.22	
0.25	0.27	0.10	0.12	0.42	0.45	0.18	0.20

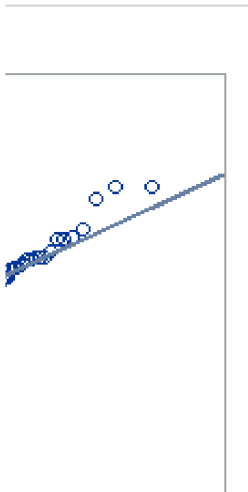
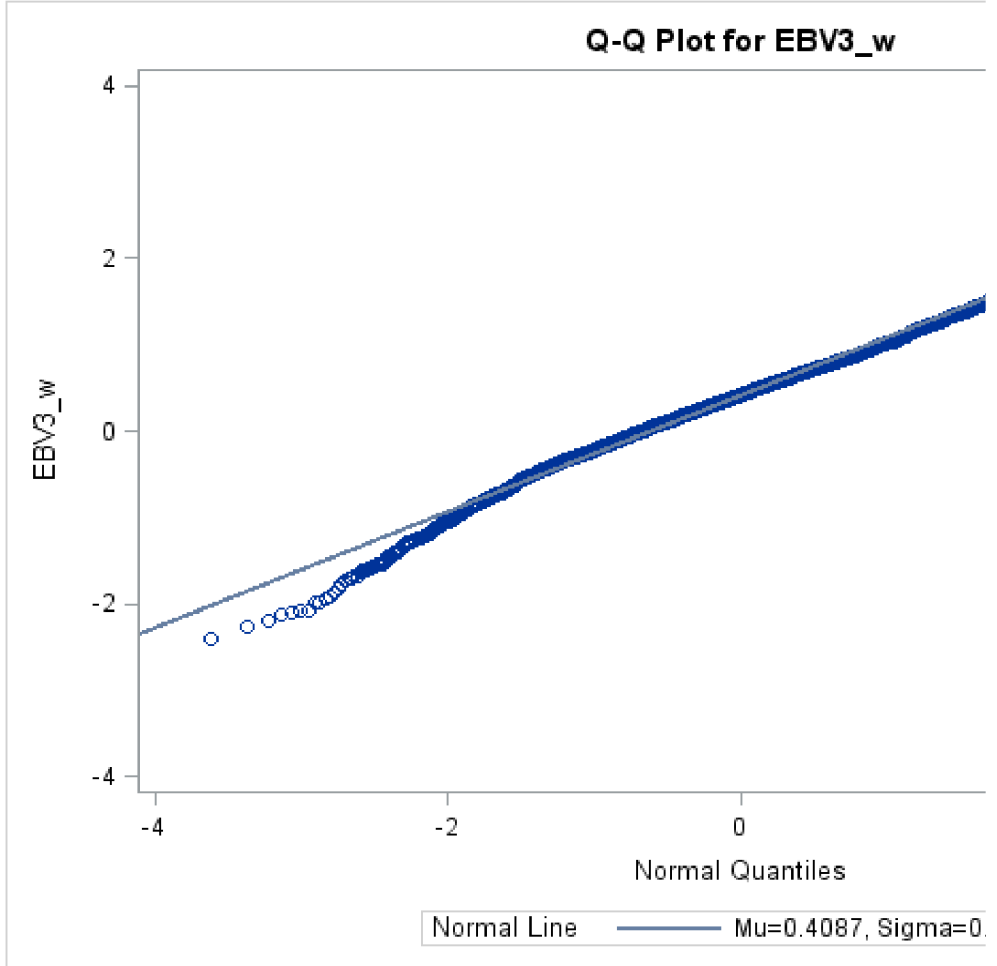
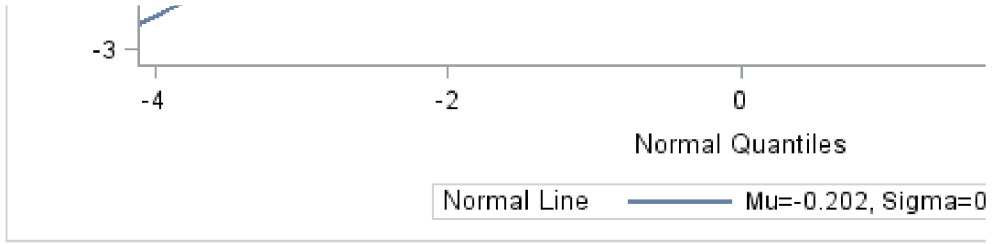
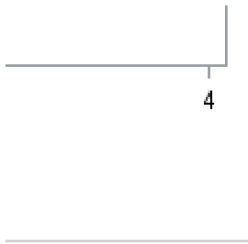
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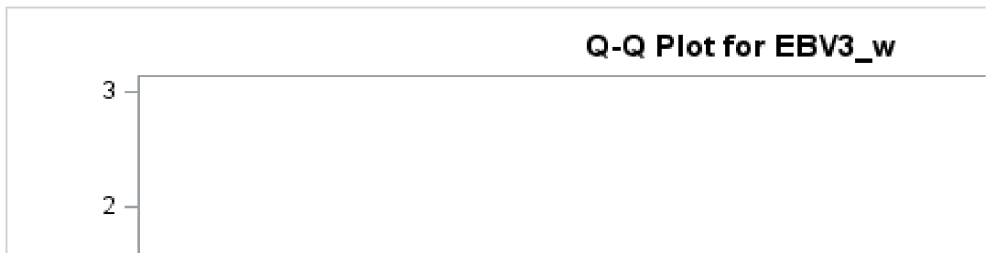
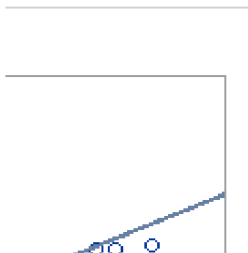
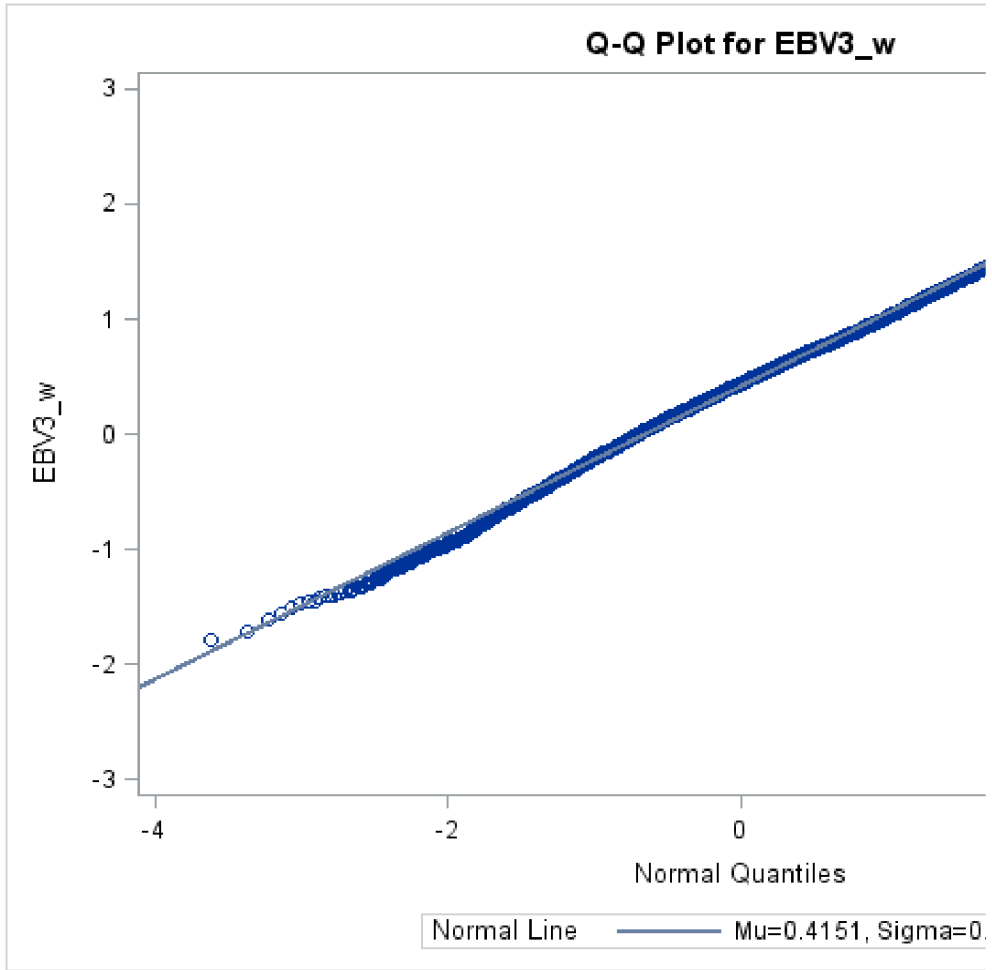
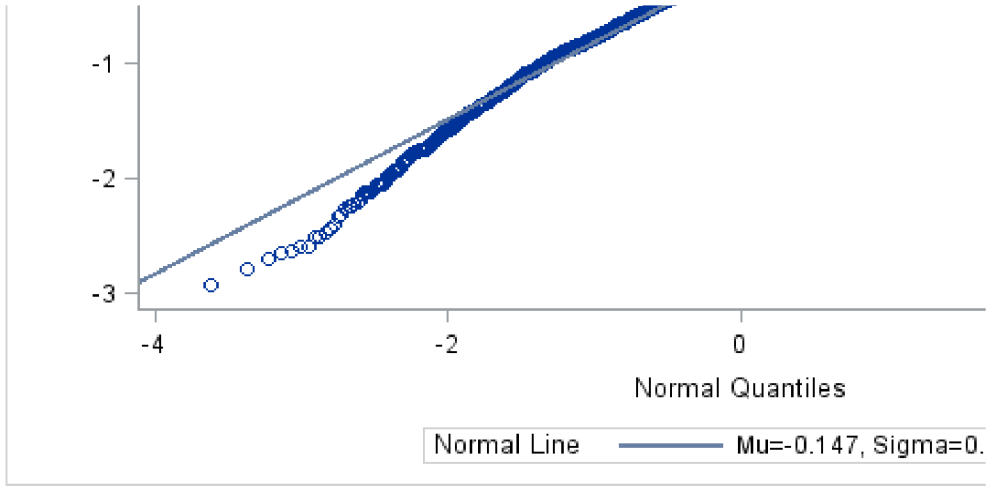
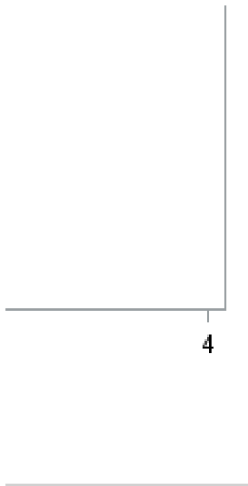
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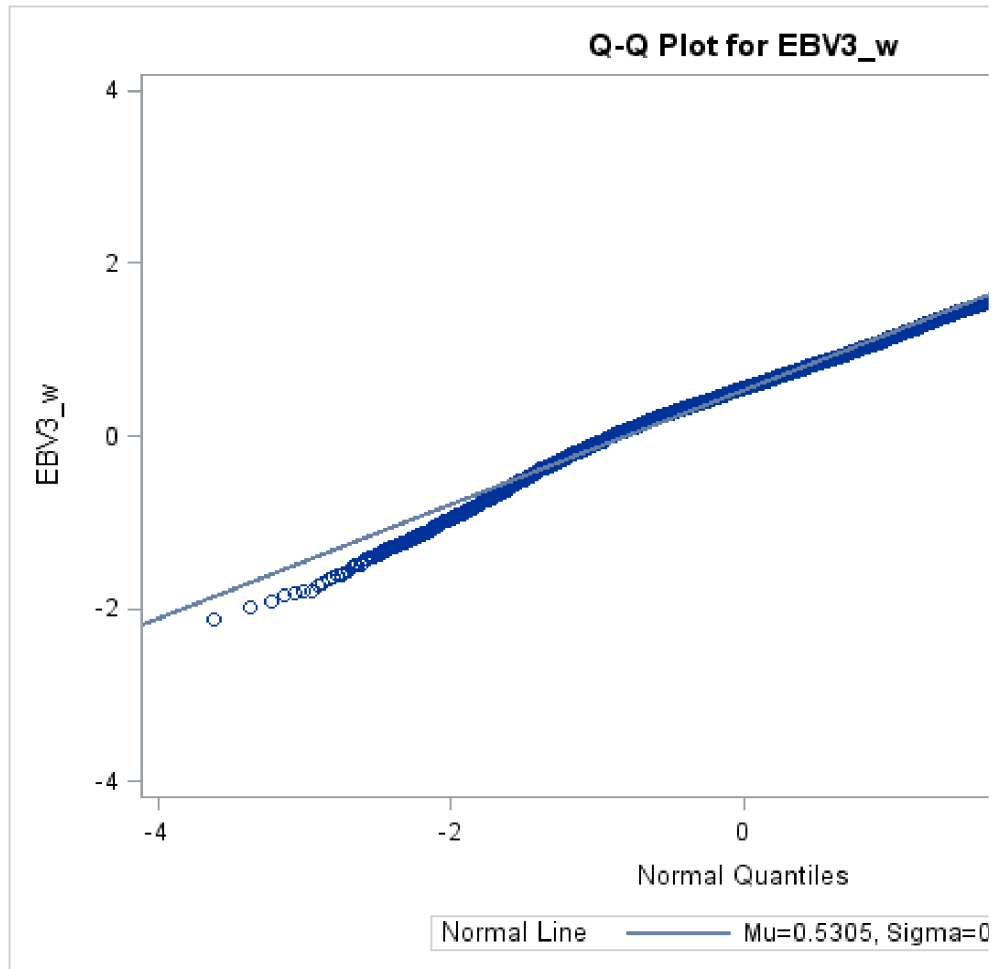
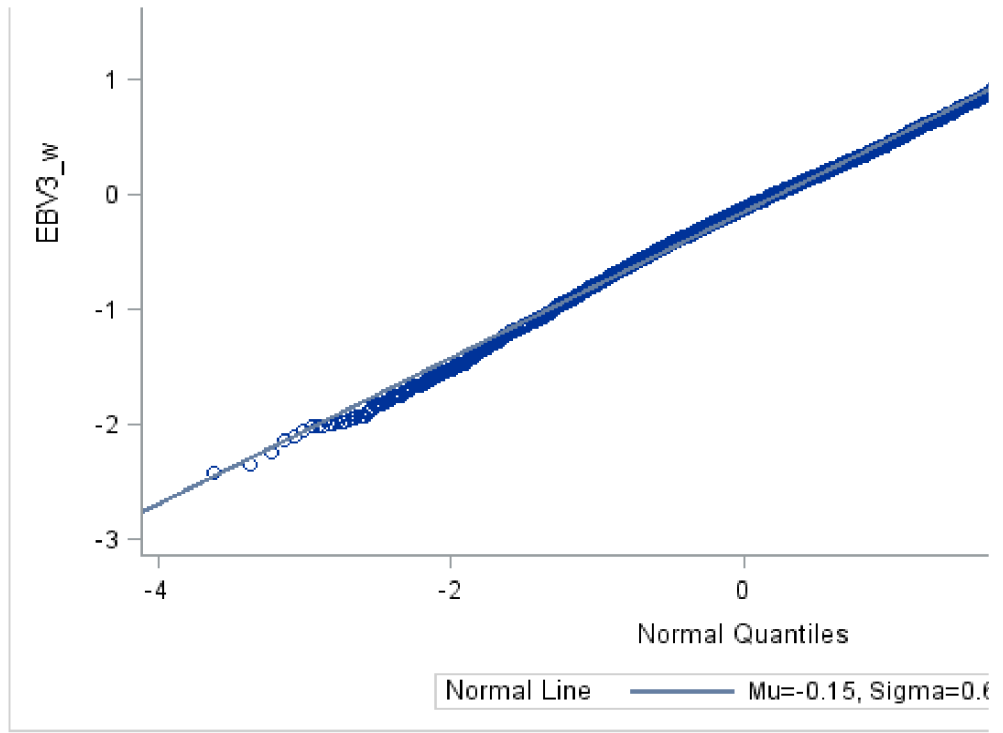
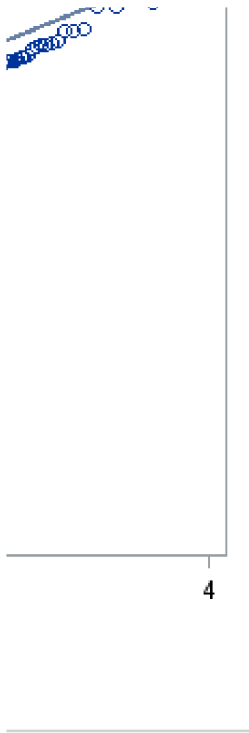
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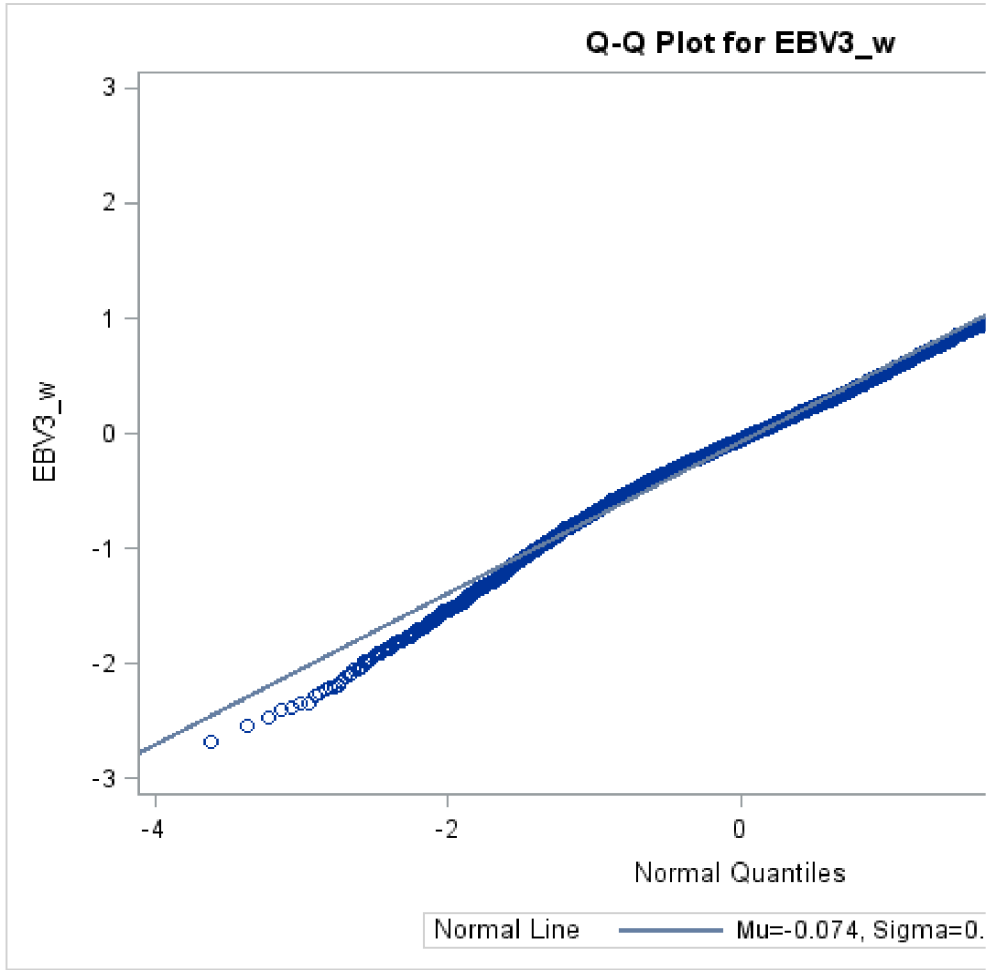
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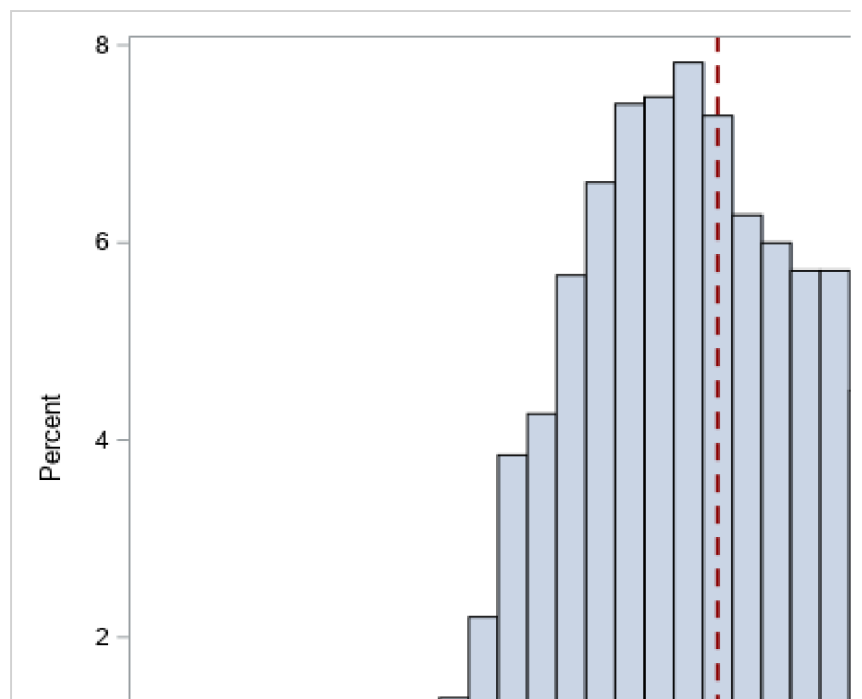
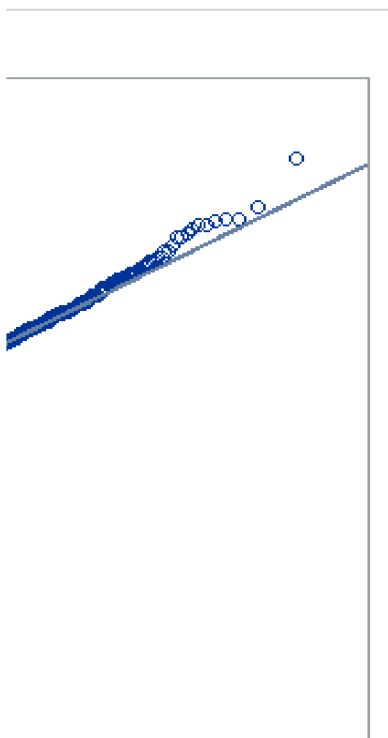
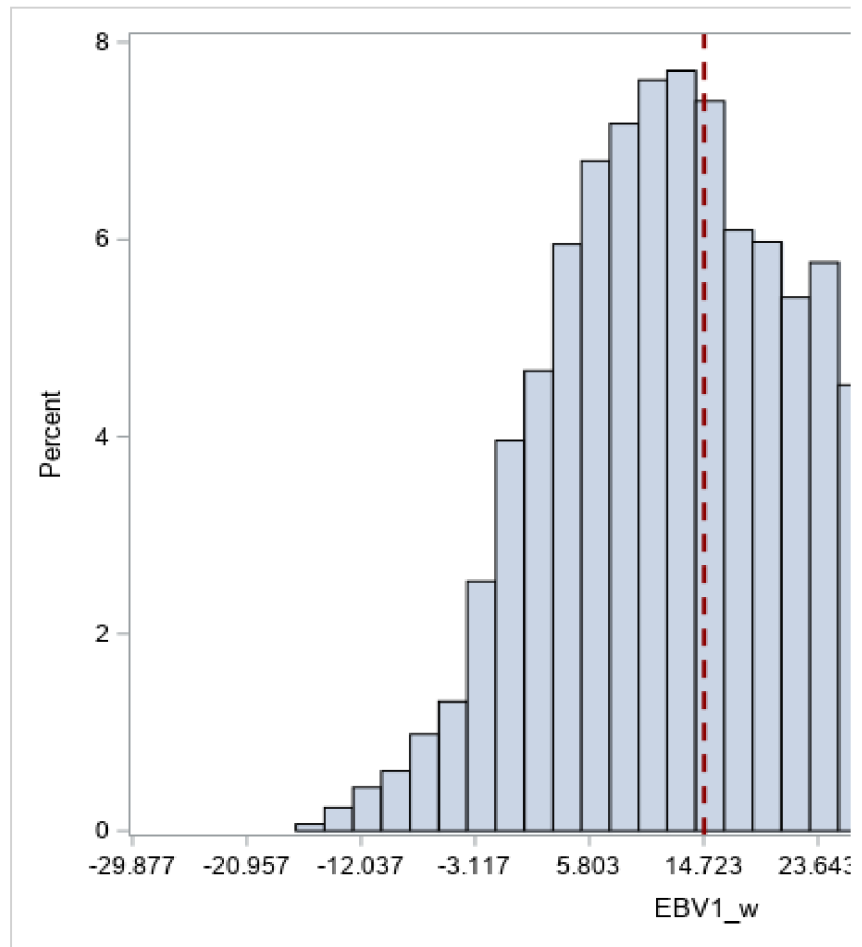


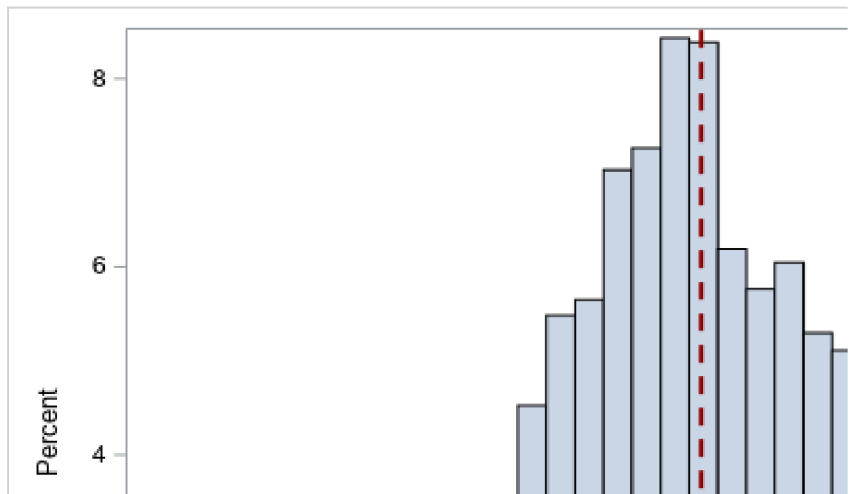
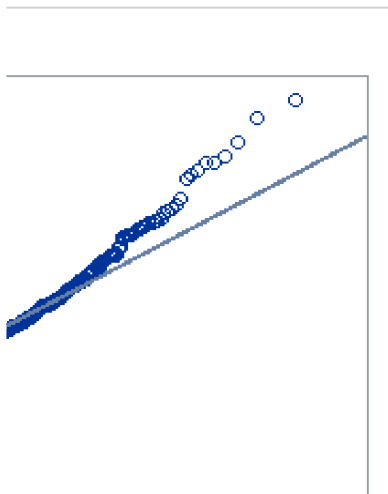
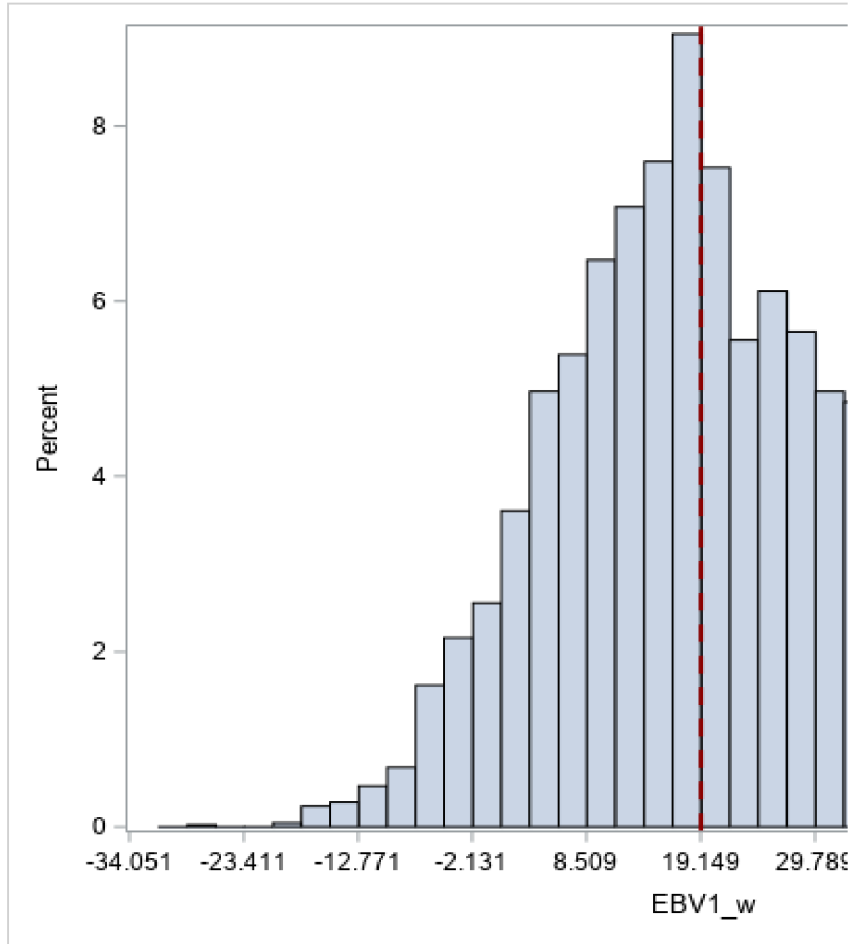
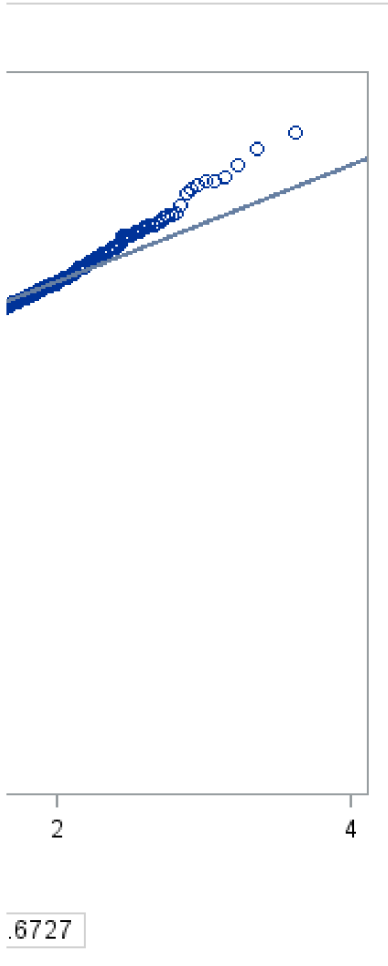
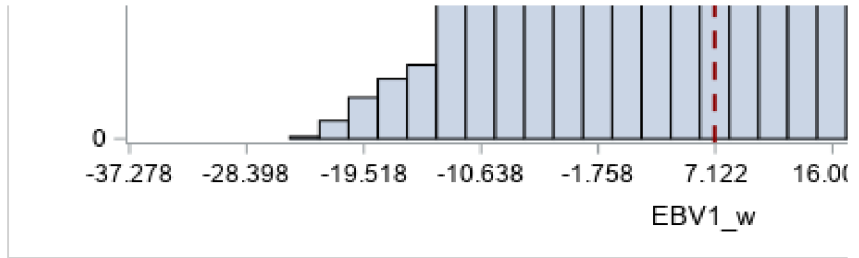
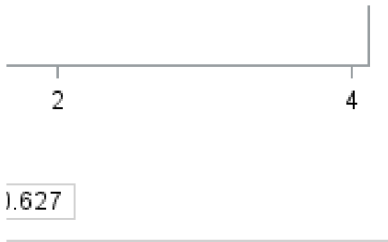


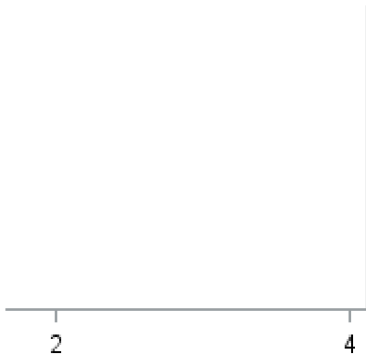




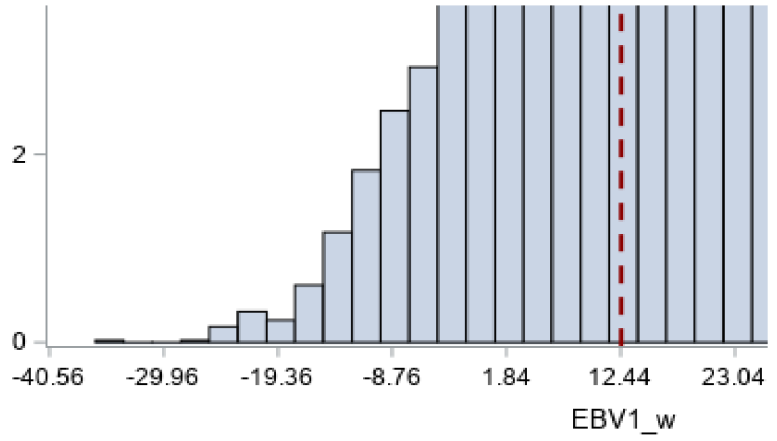




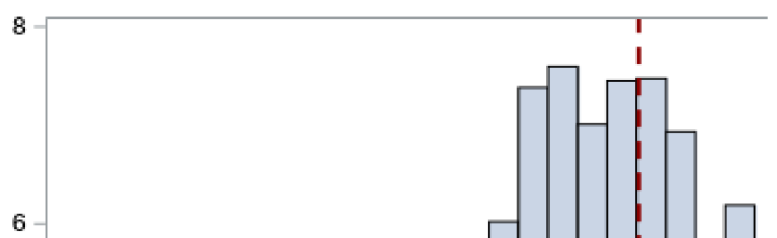
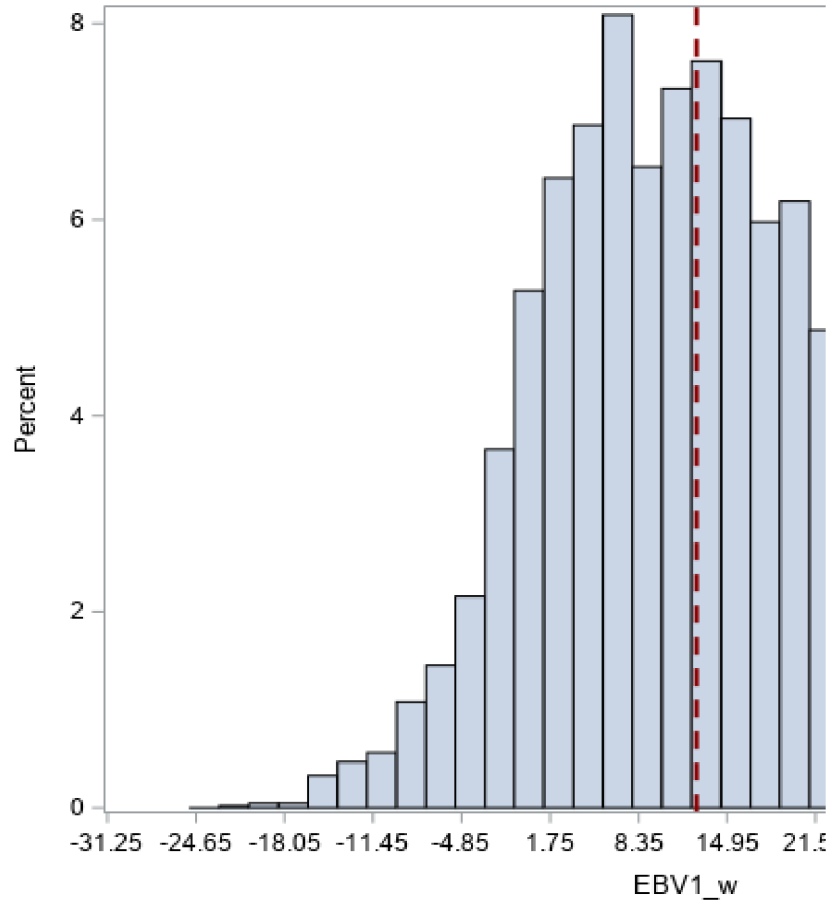




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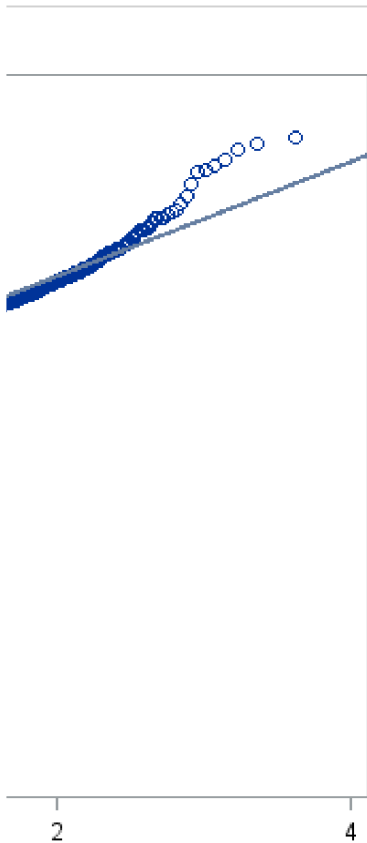
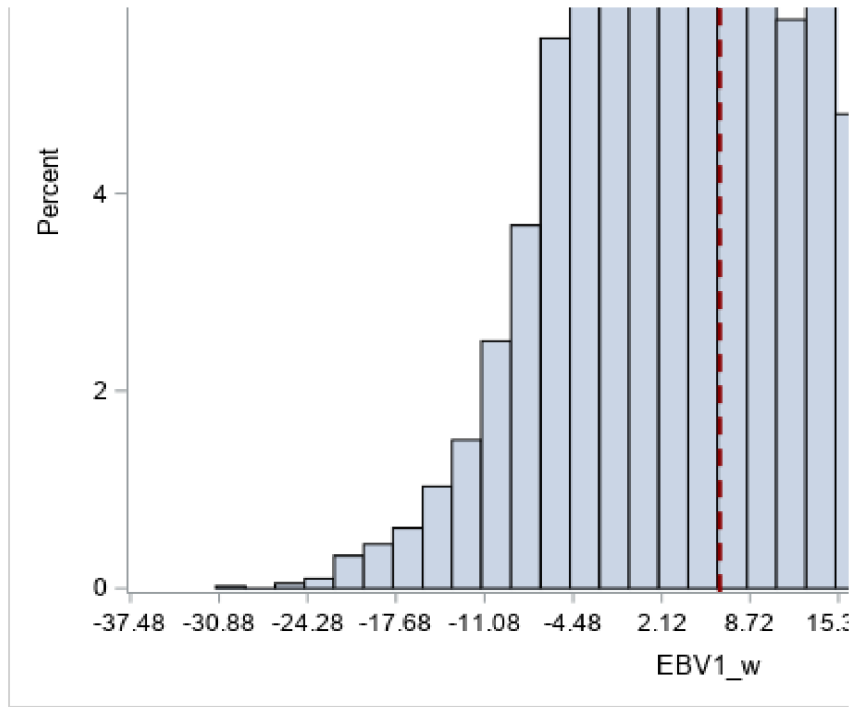


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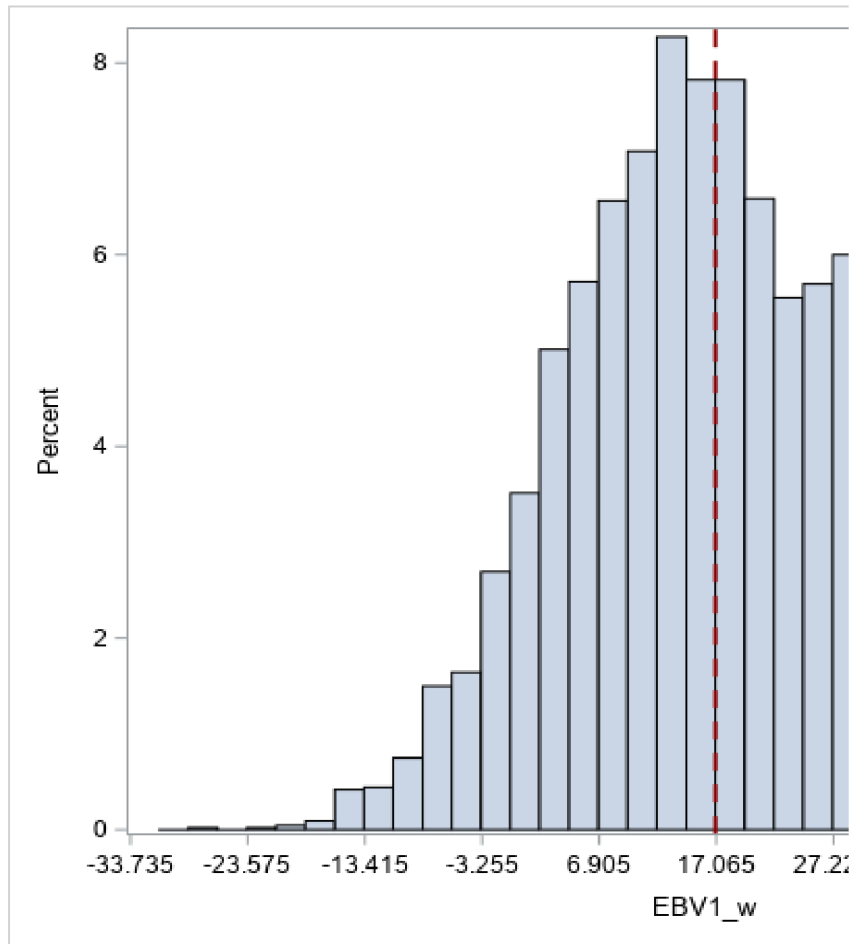


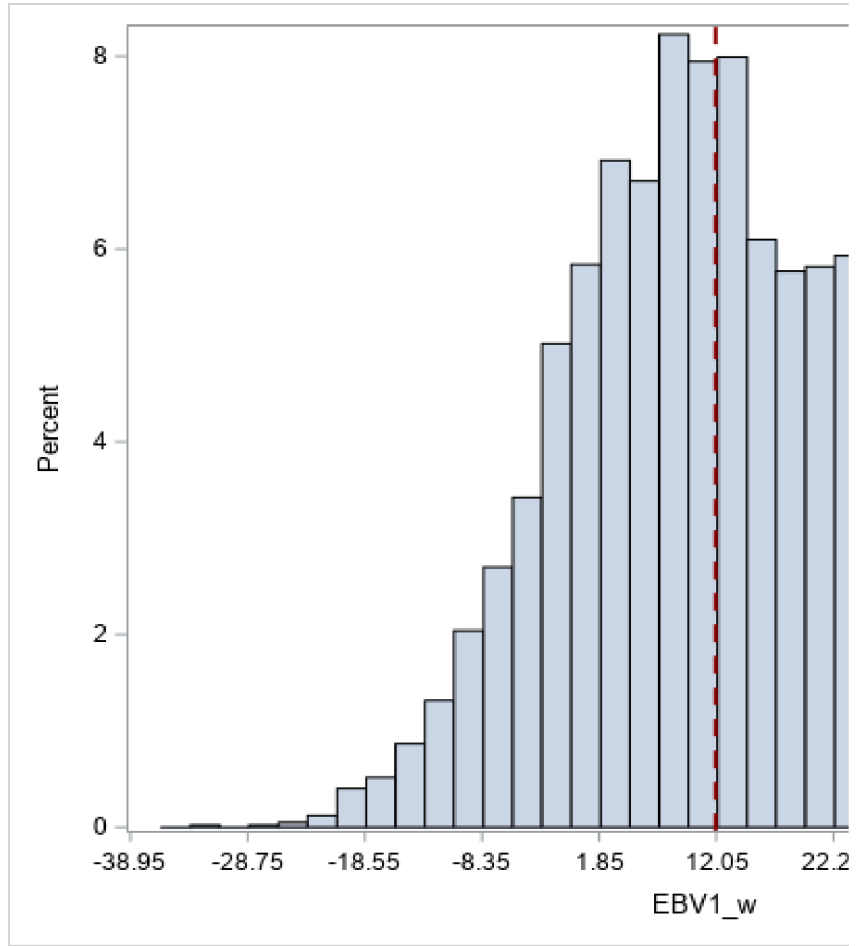
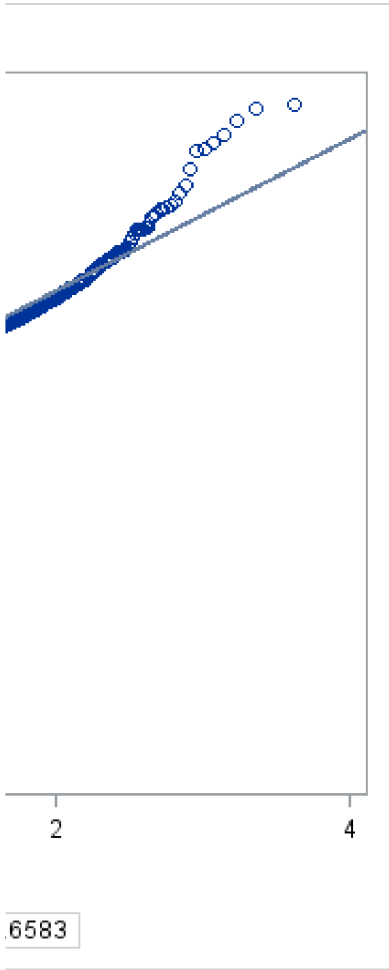


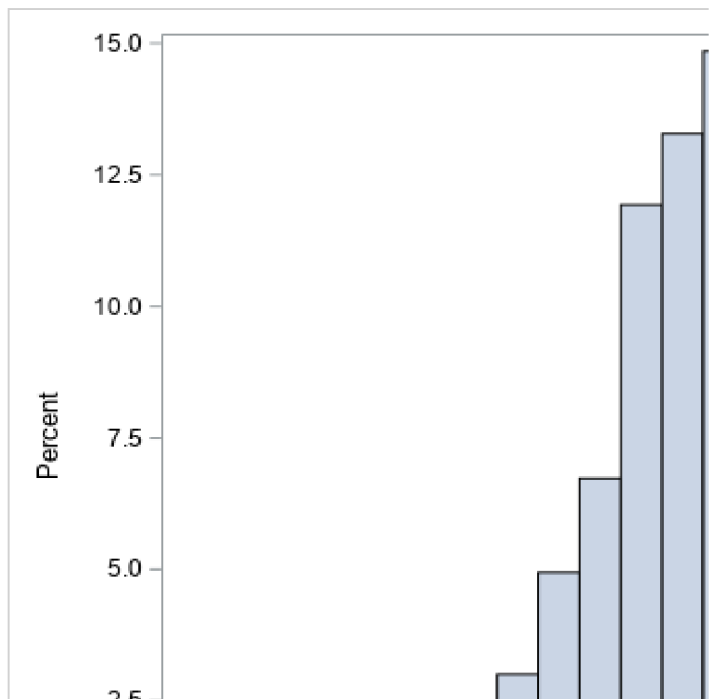
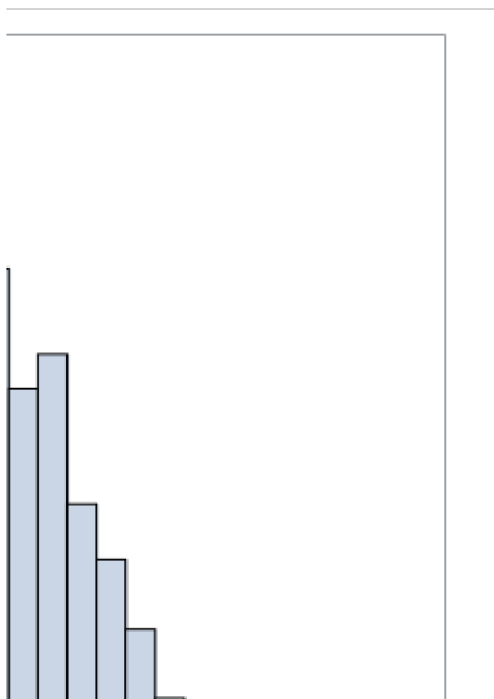
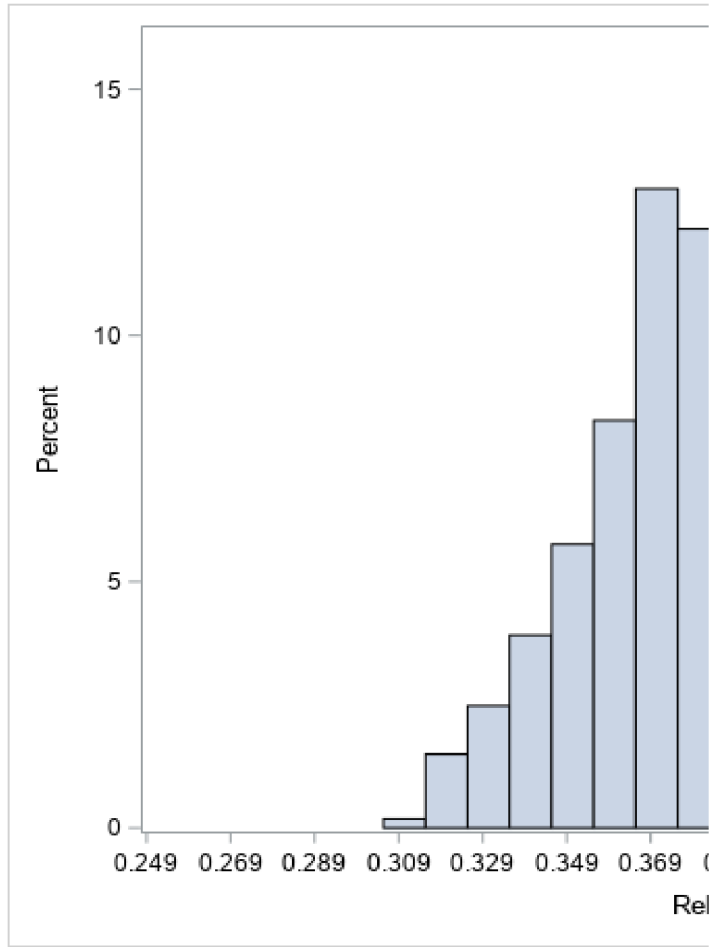
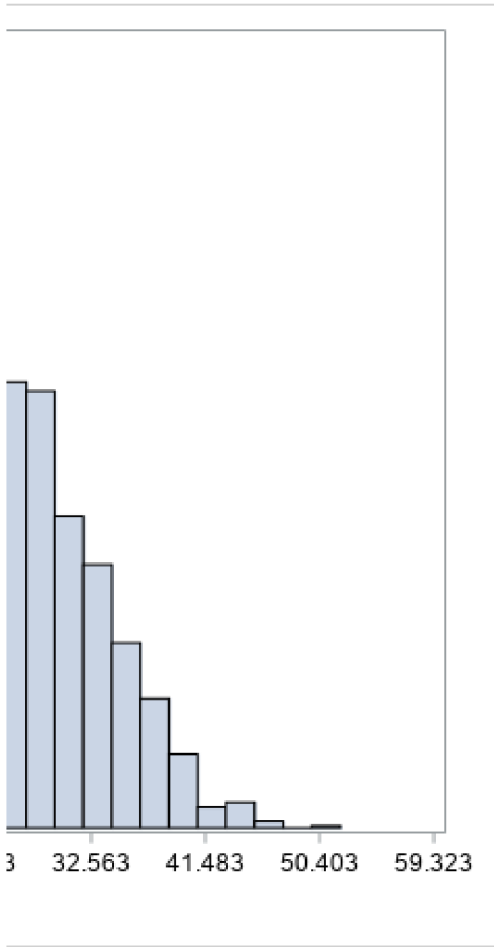
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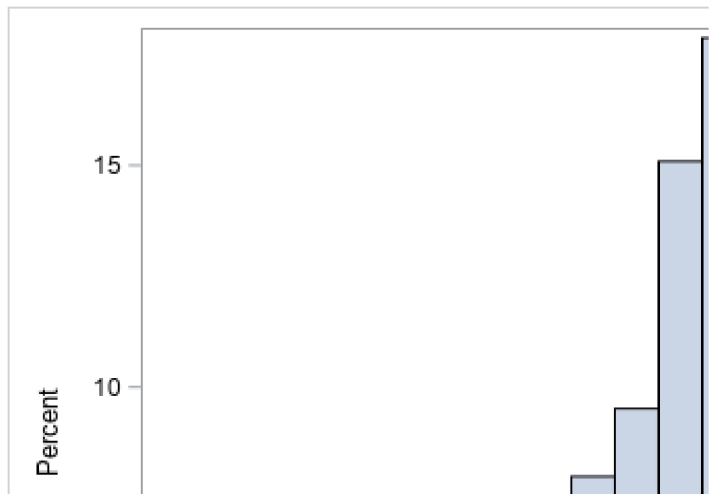
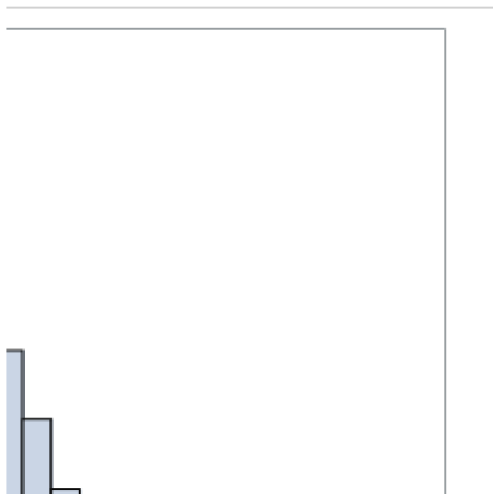
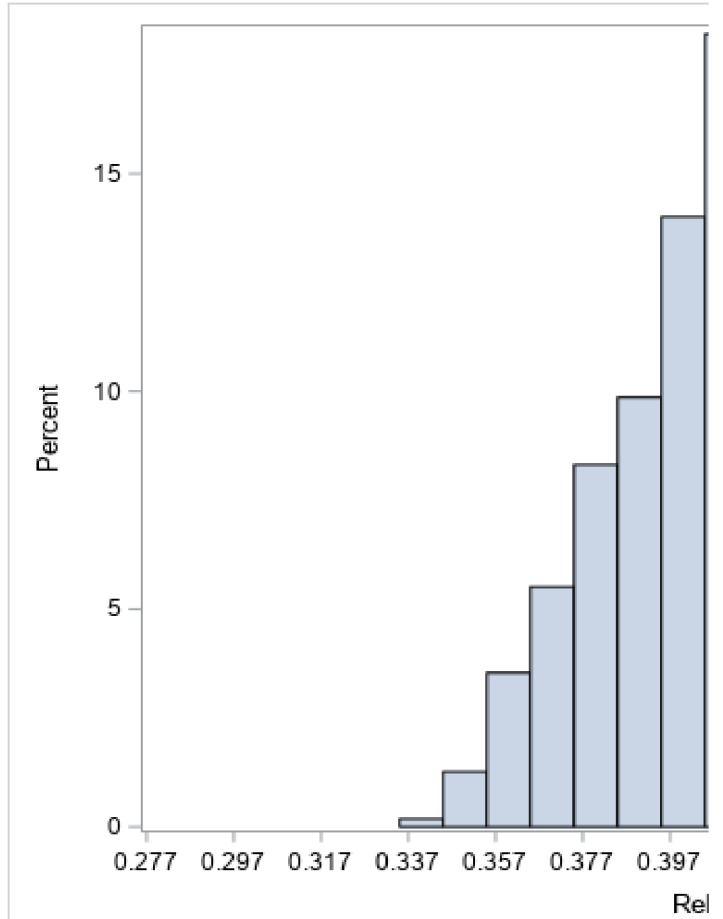
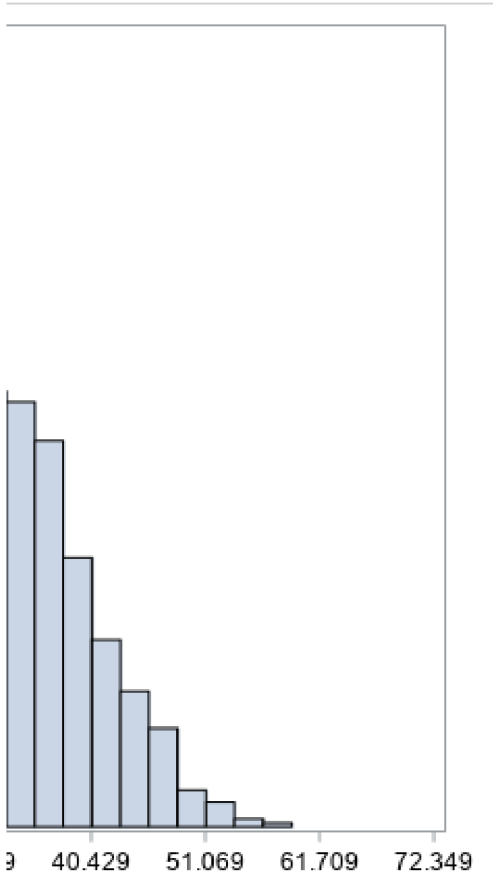
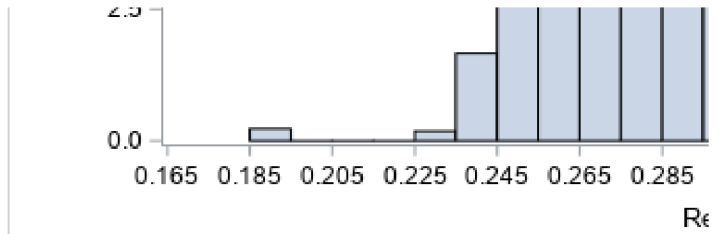
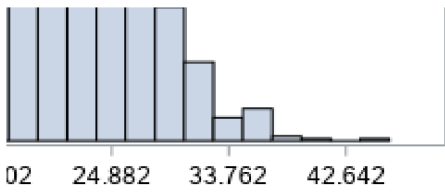


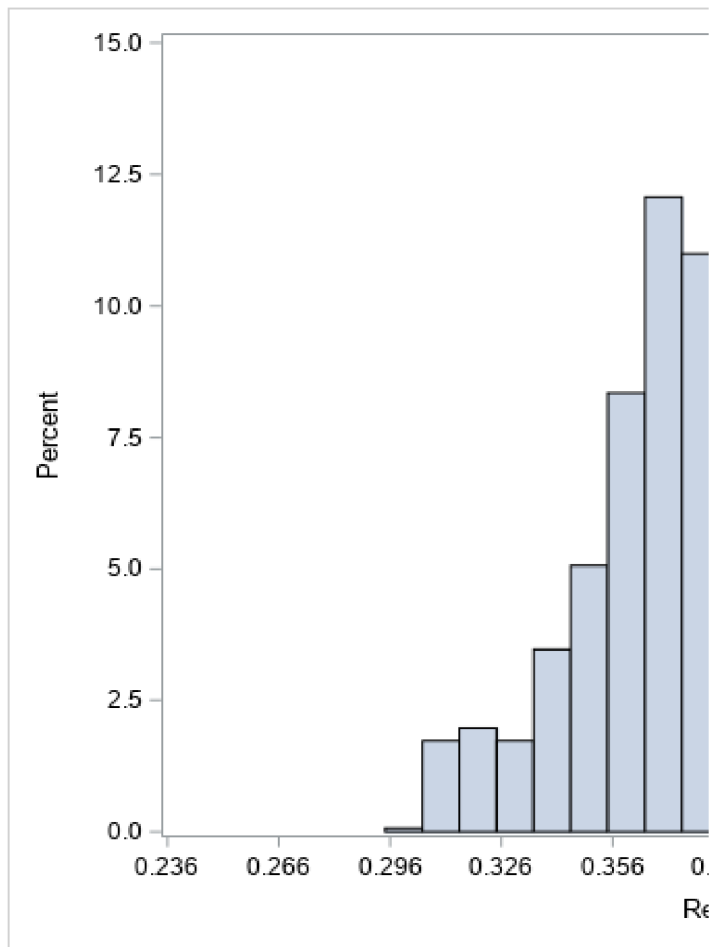
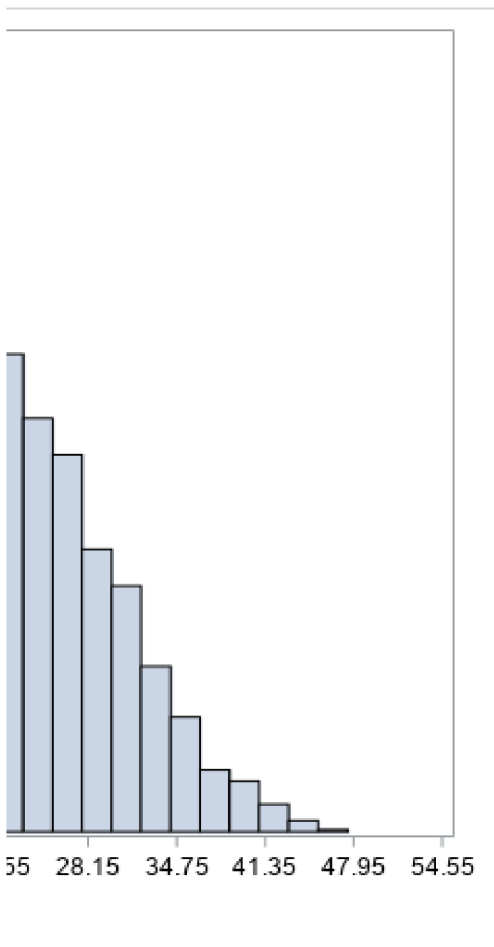
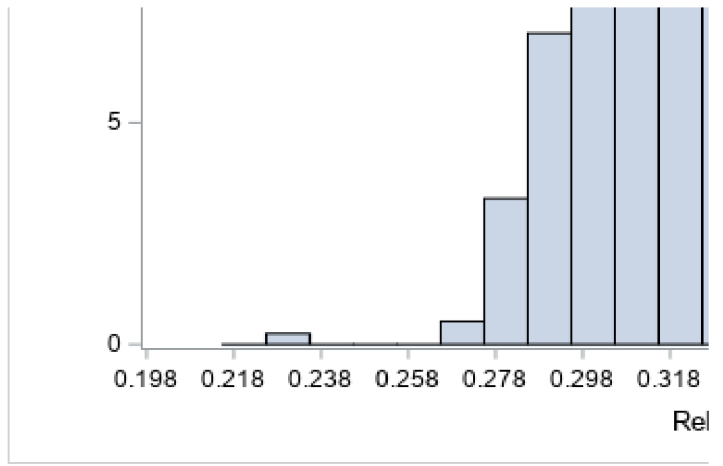
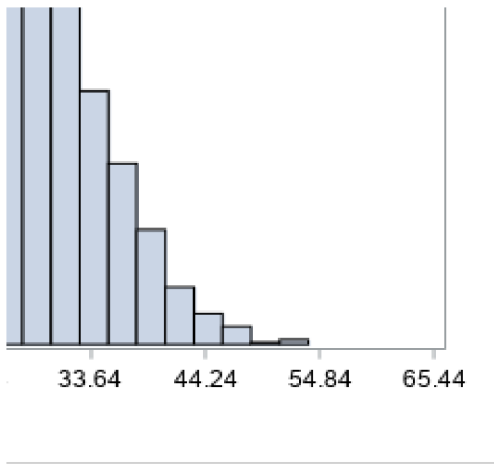
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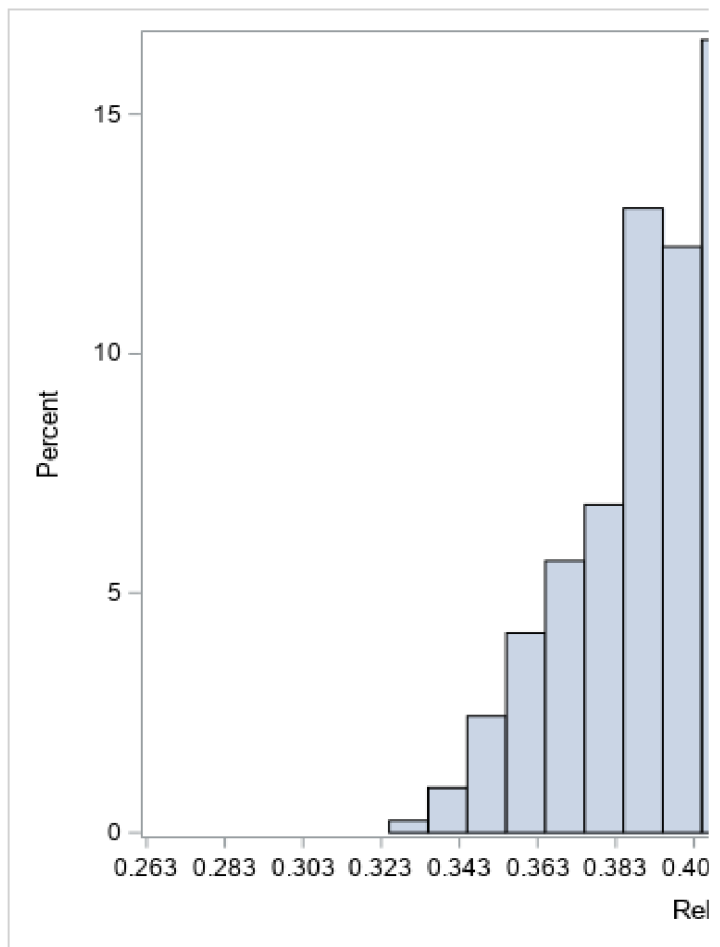
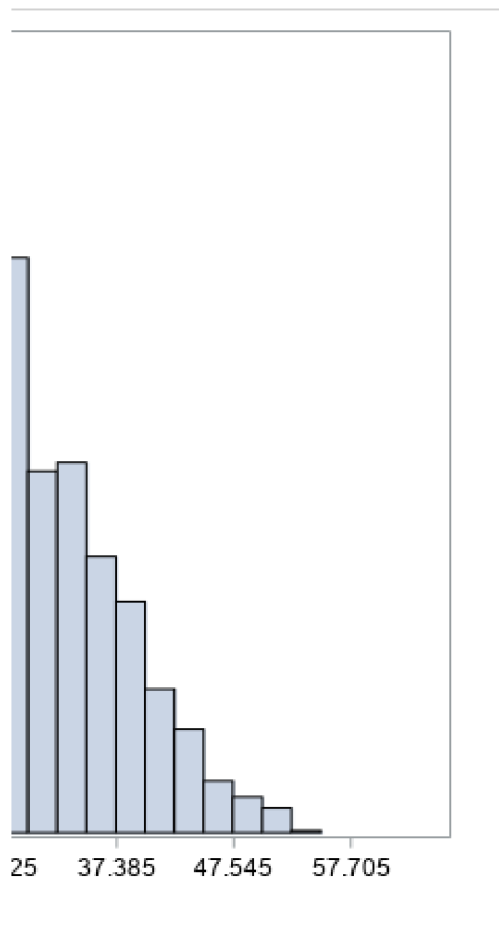
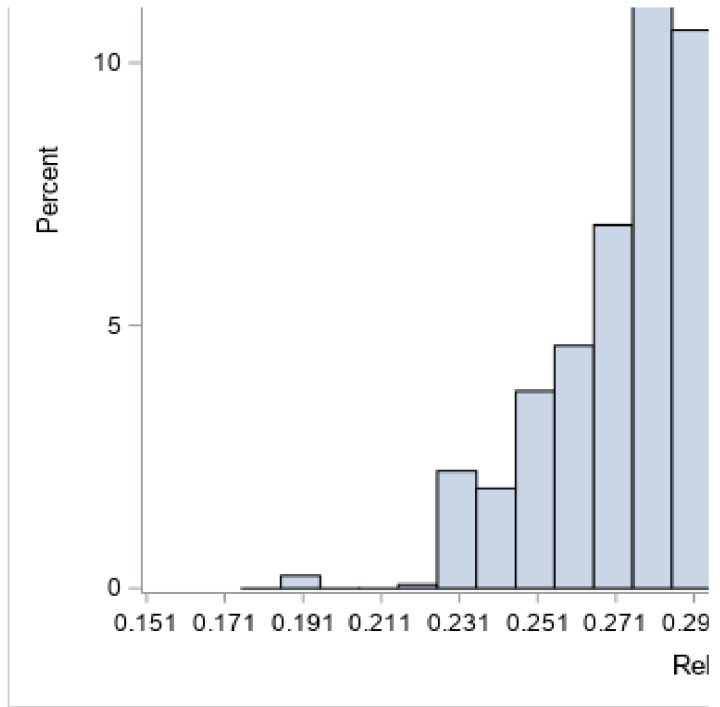
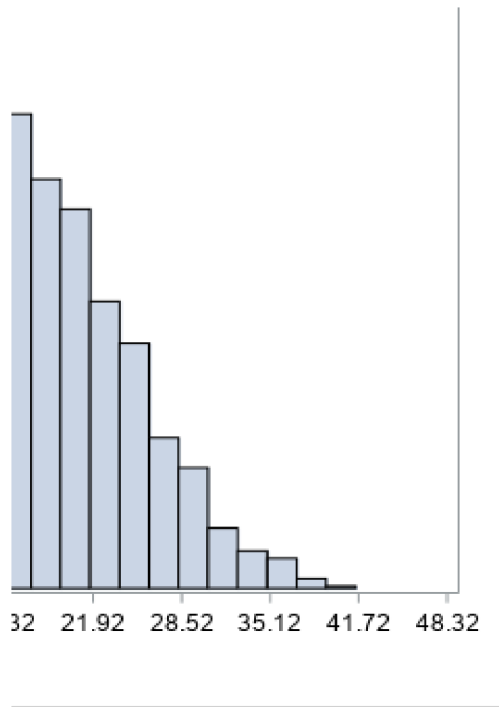


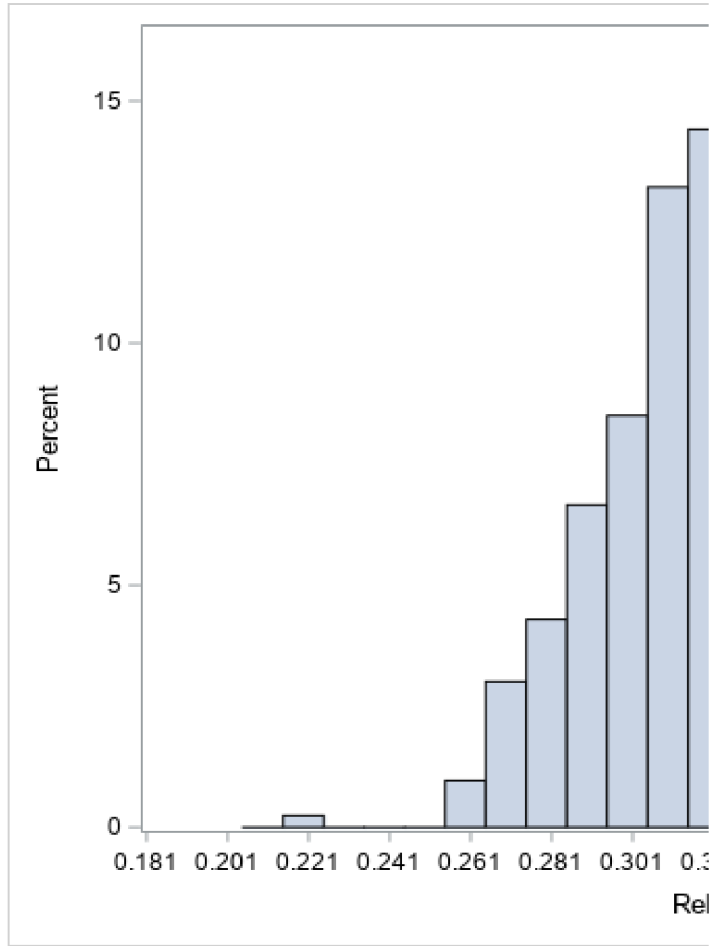
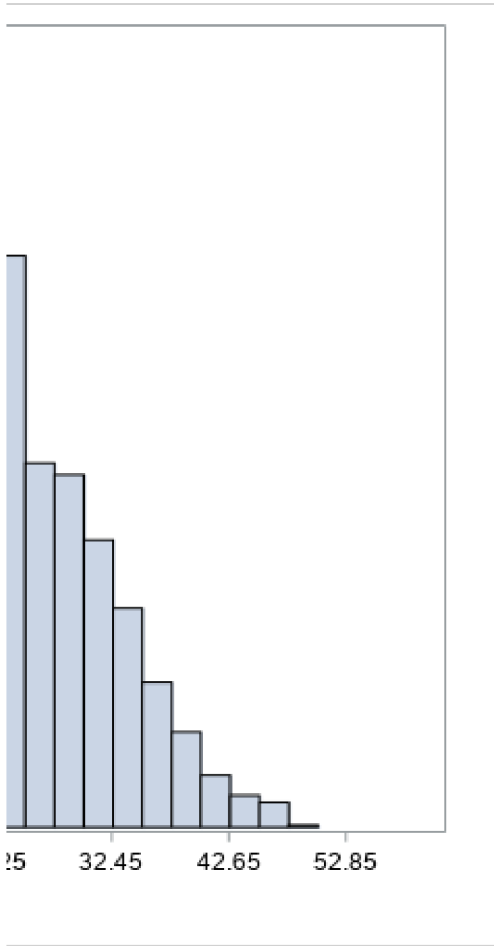


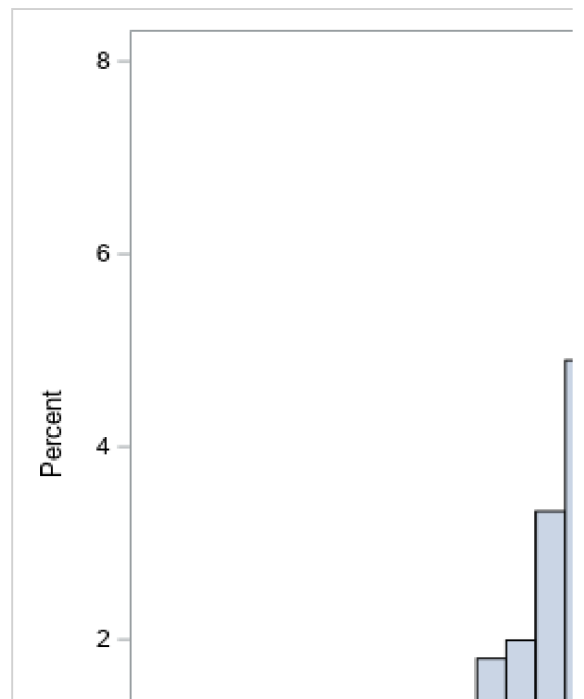
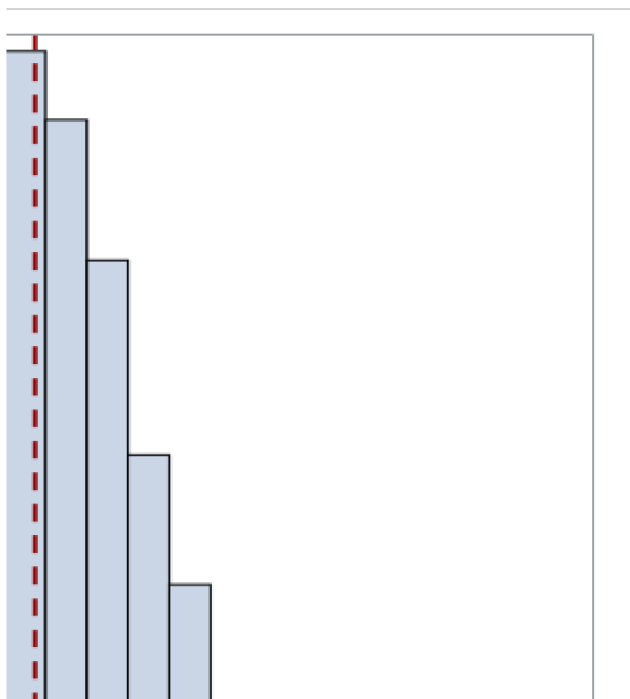
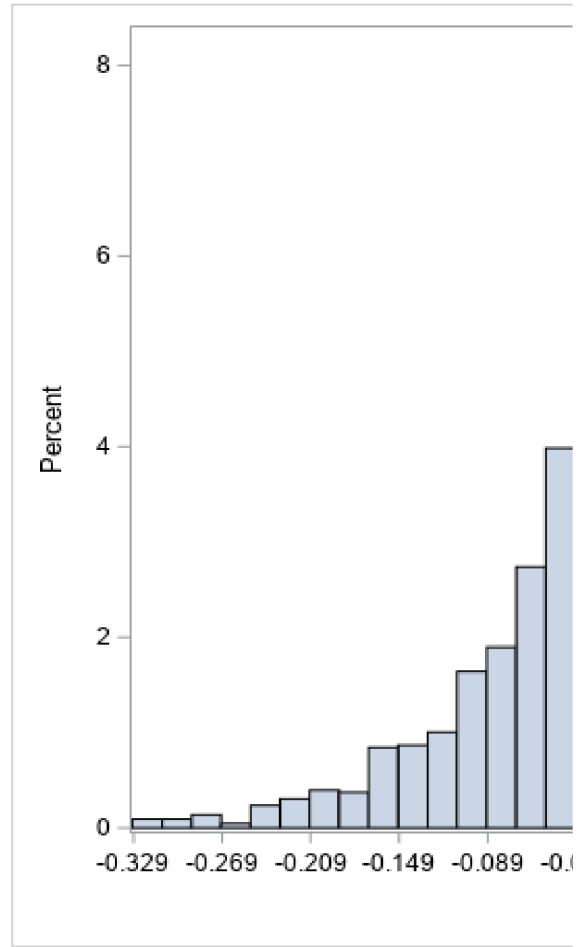
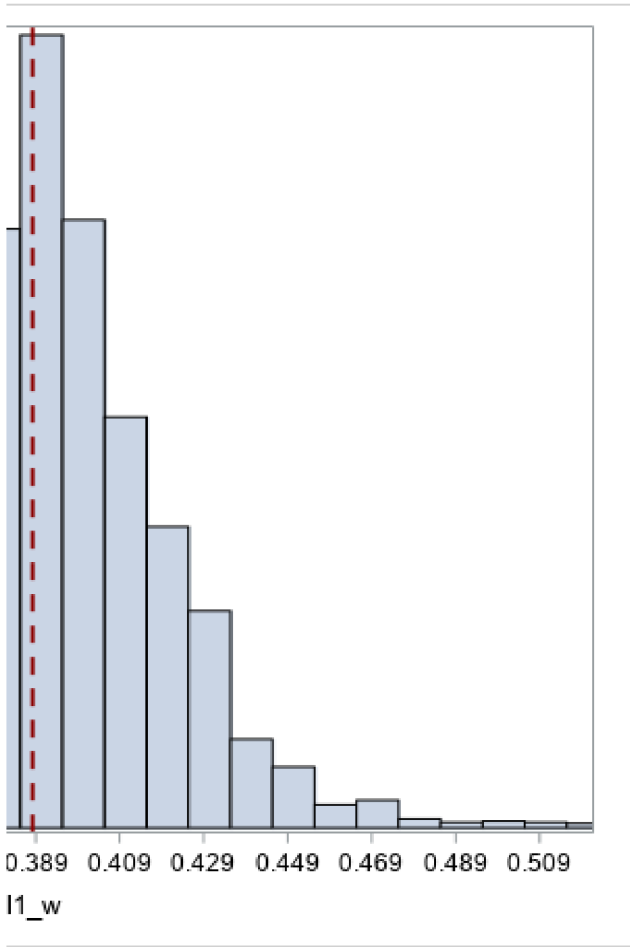


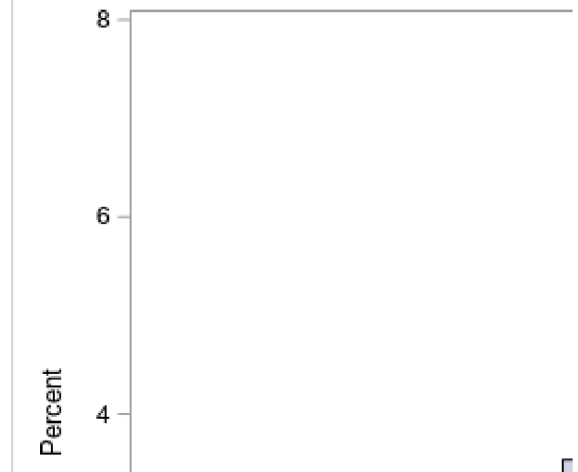
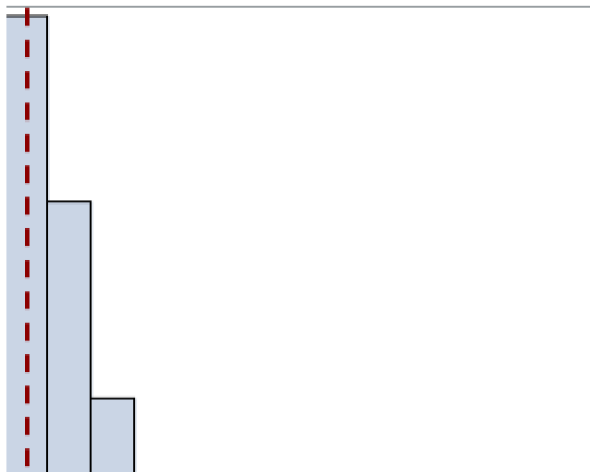
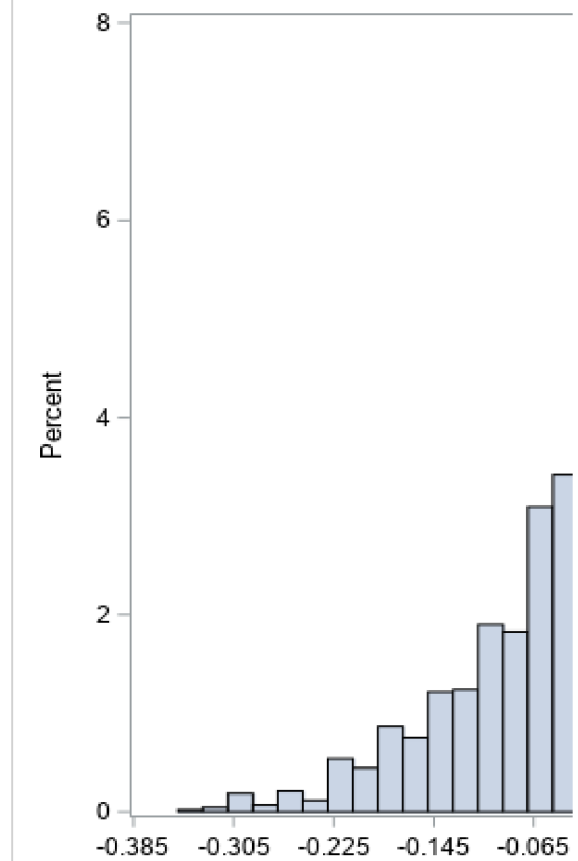
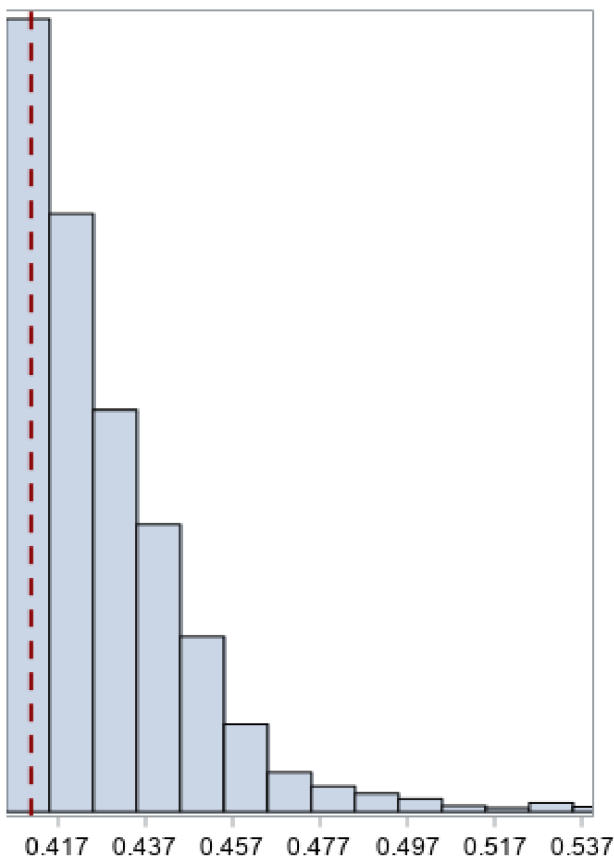
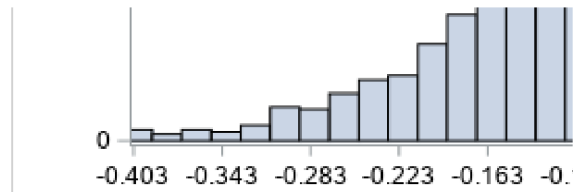
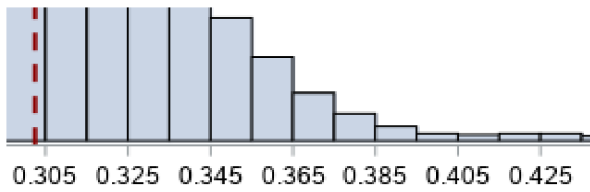


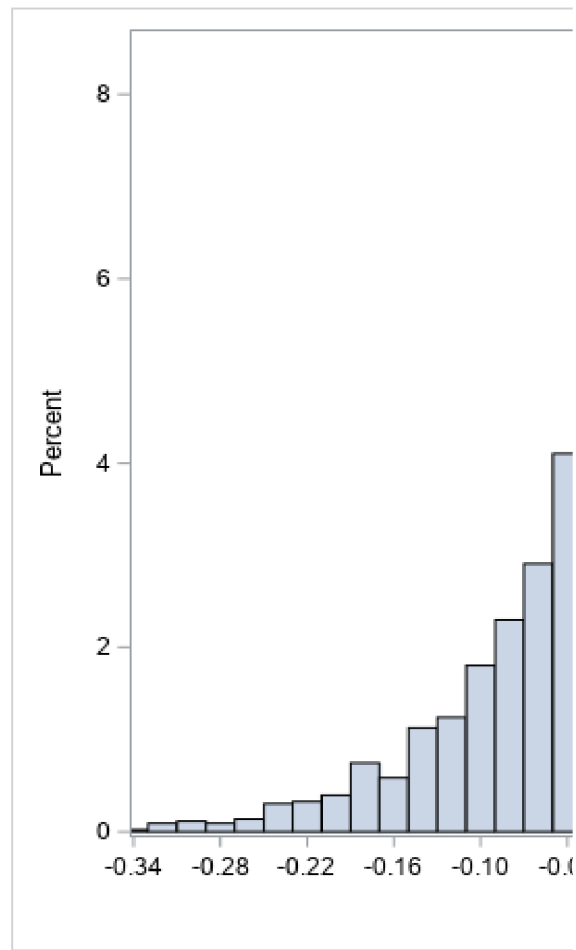
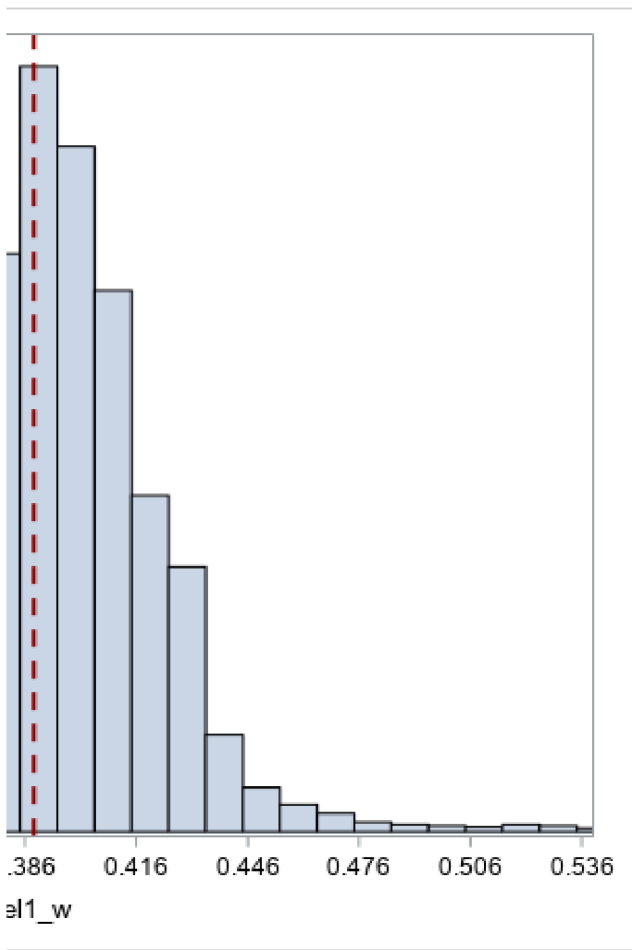
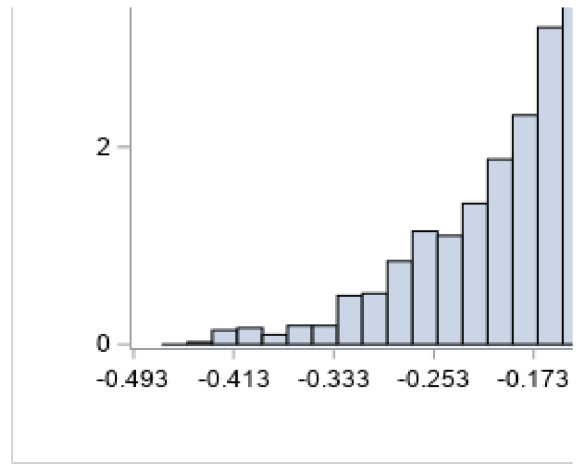
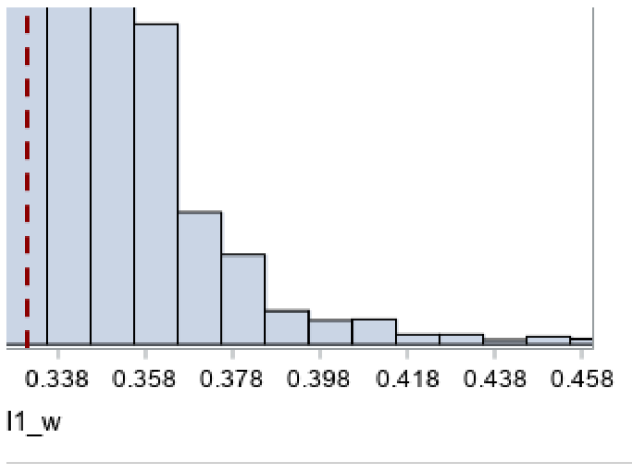


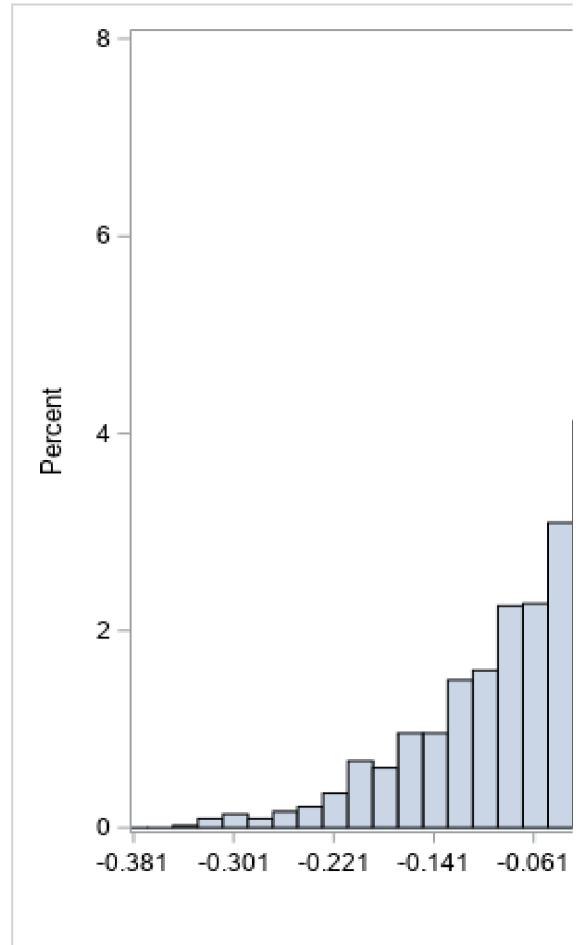
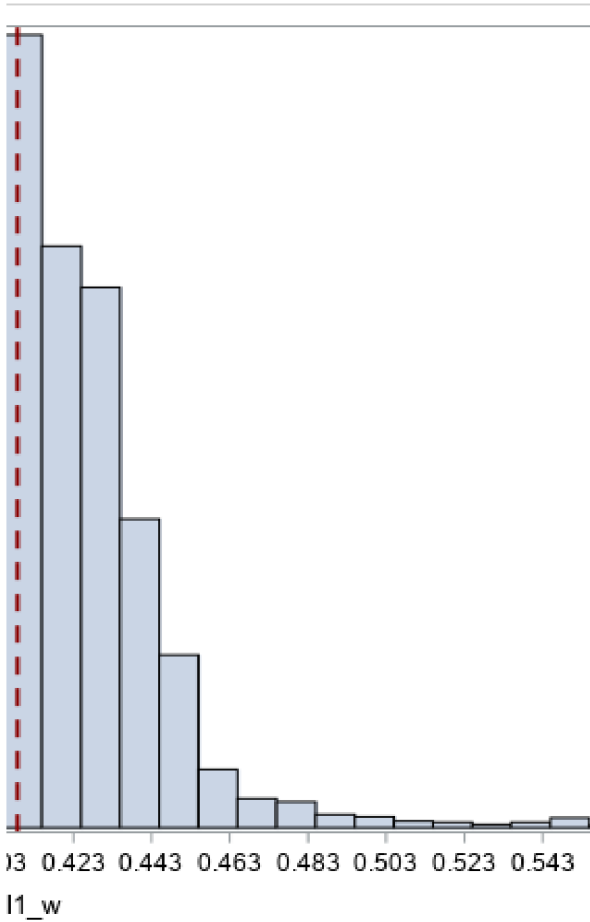
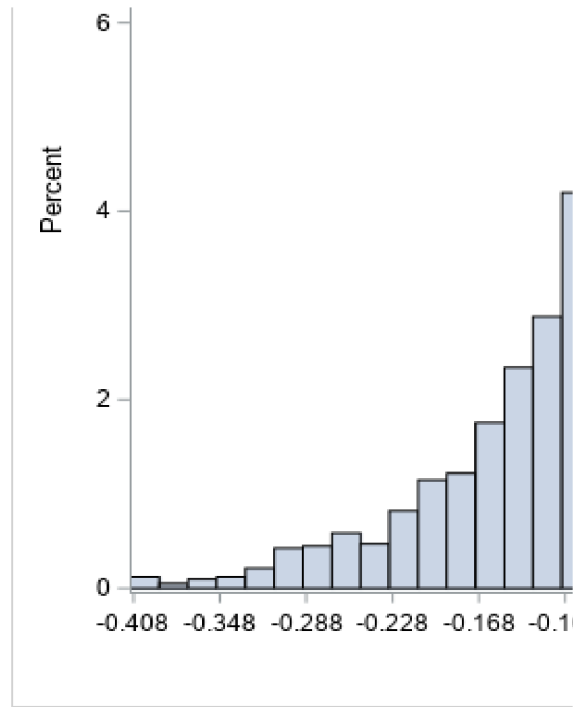
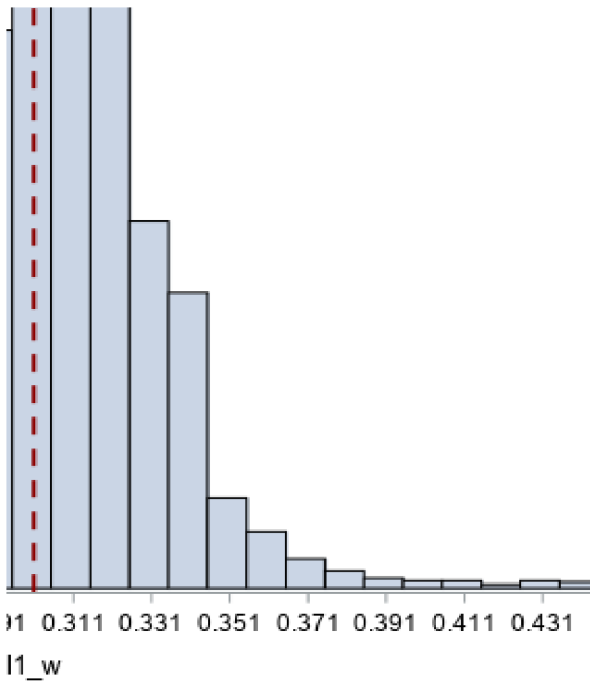


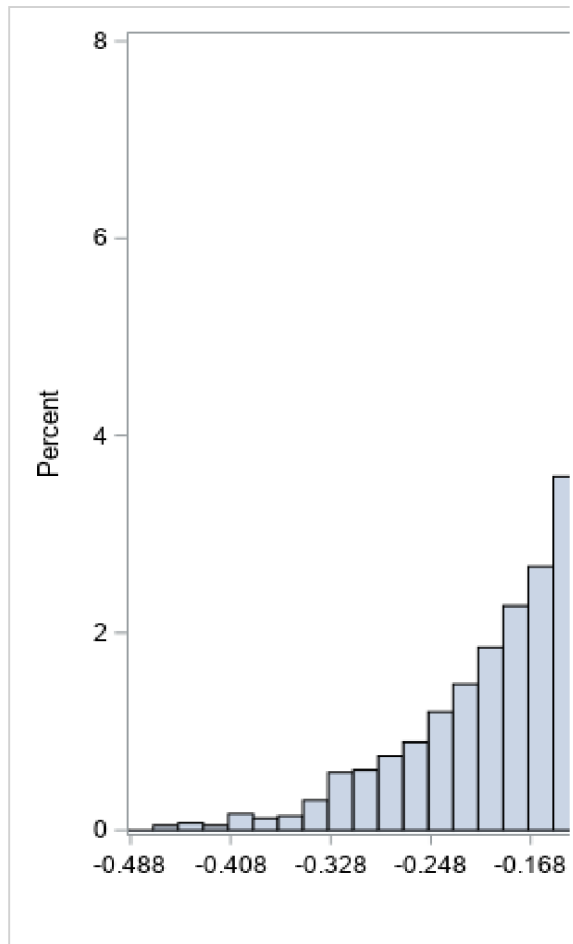
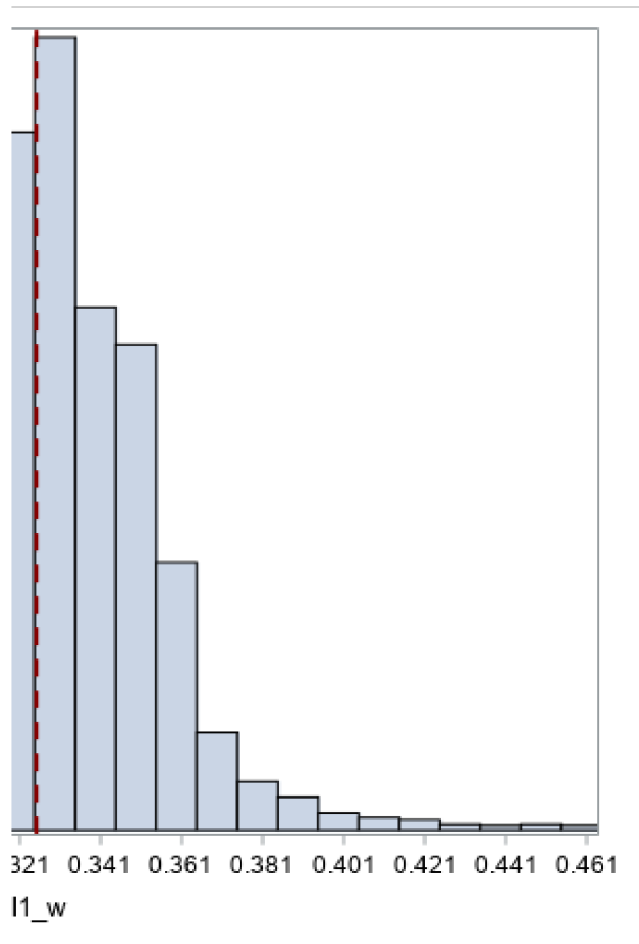


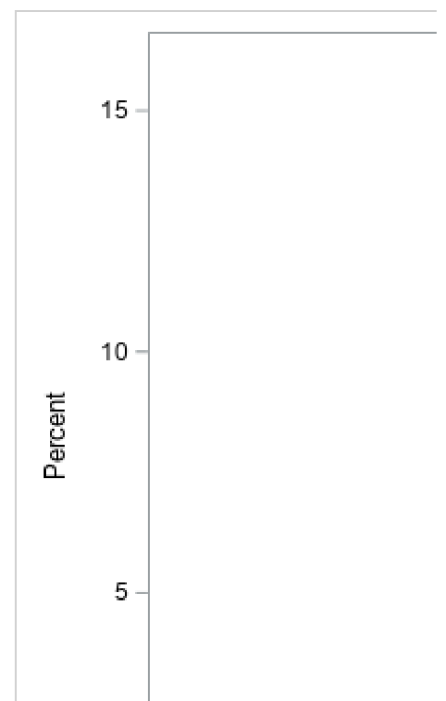
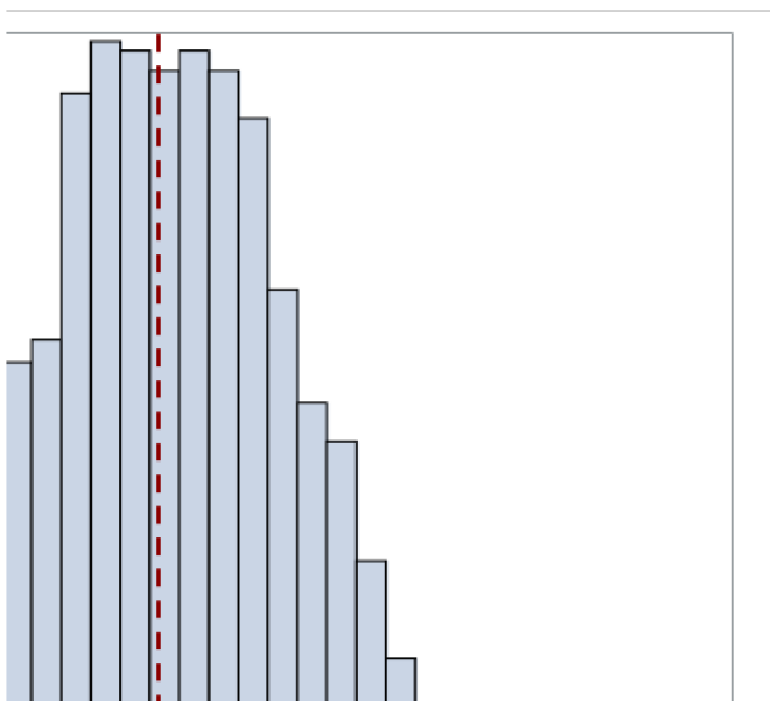
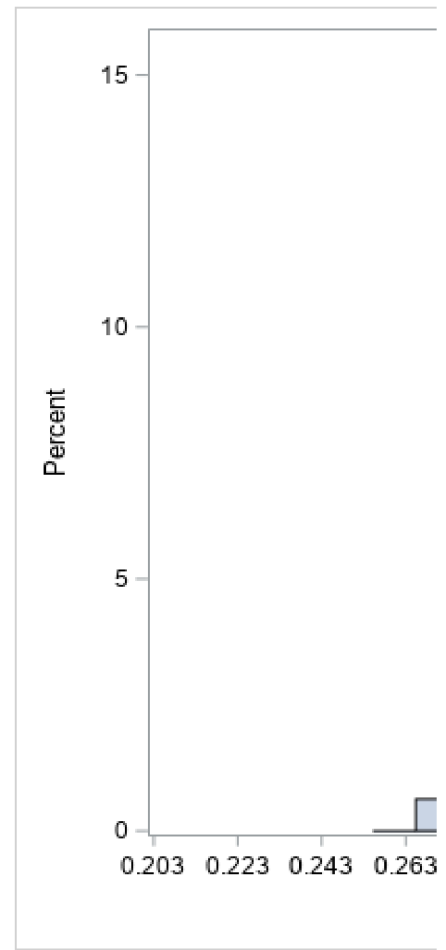
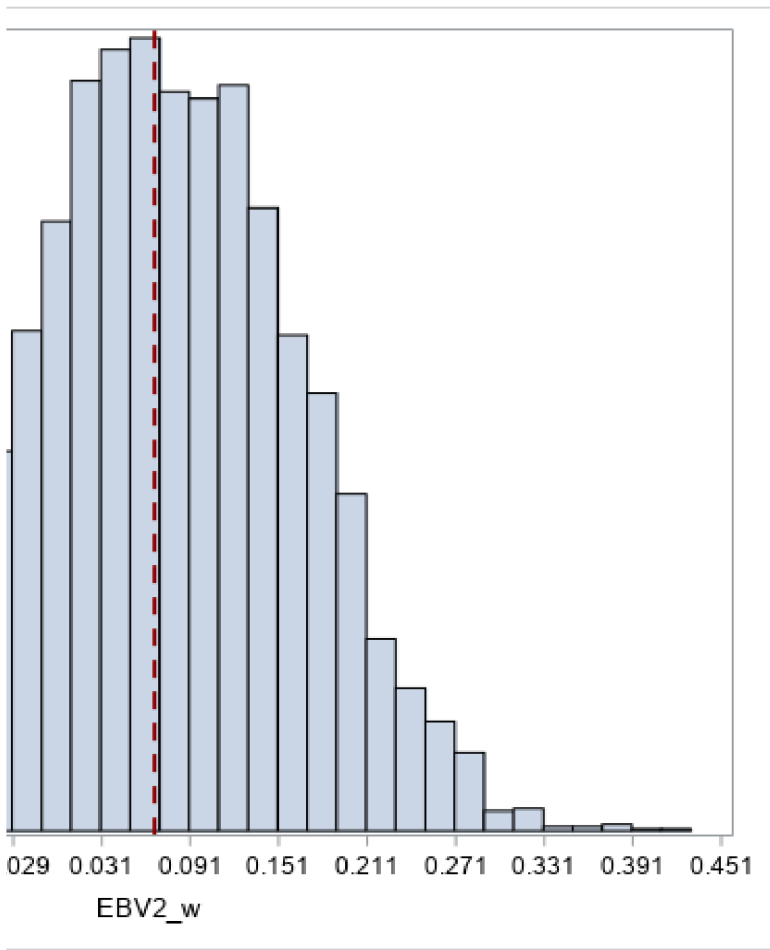


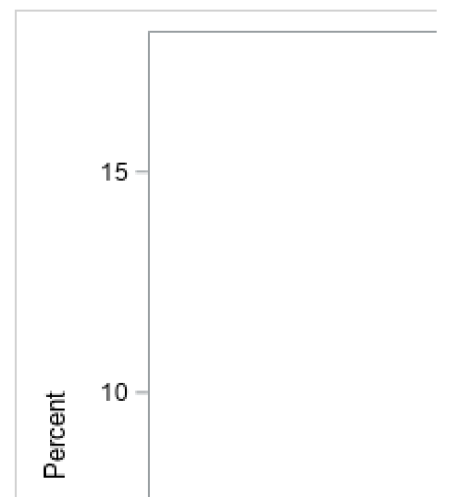
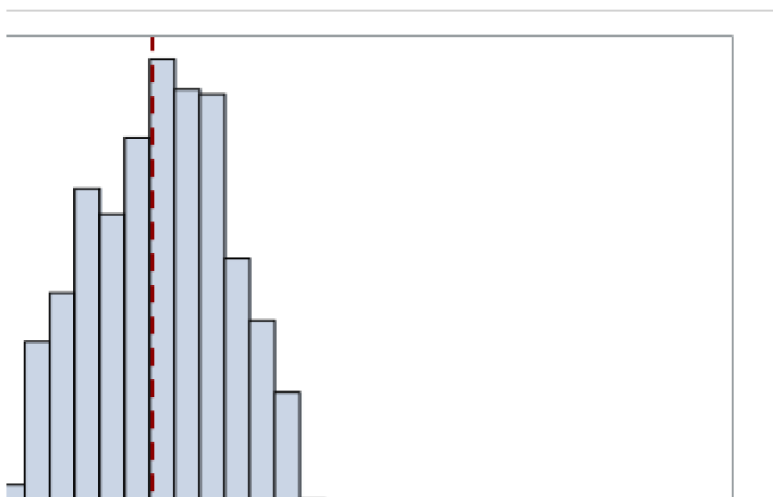
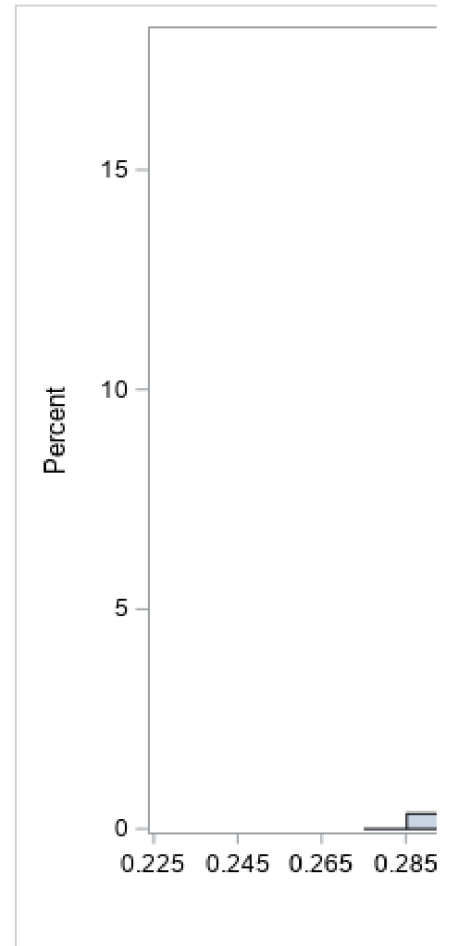
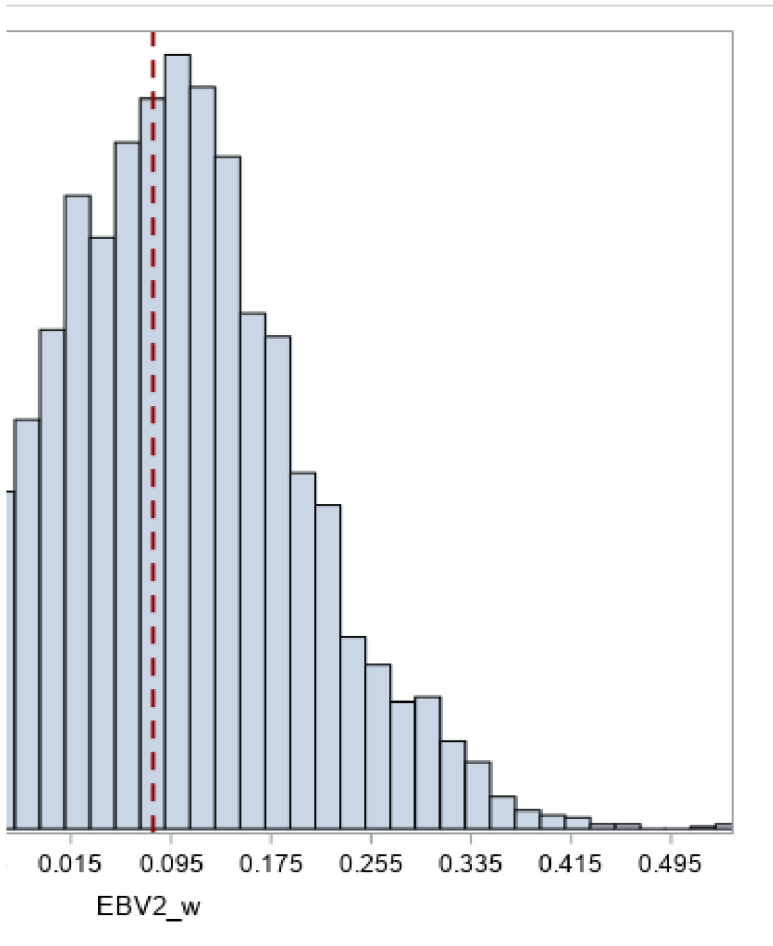
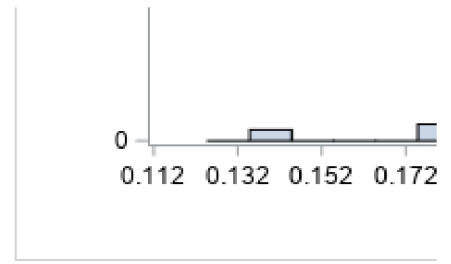
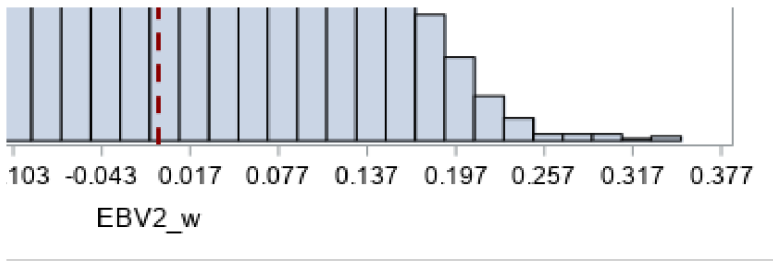


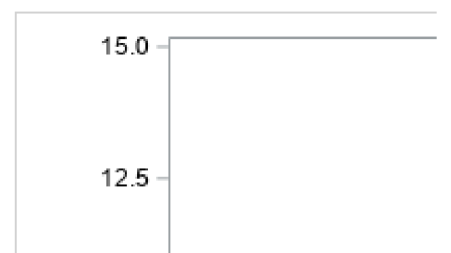
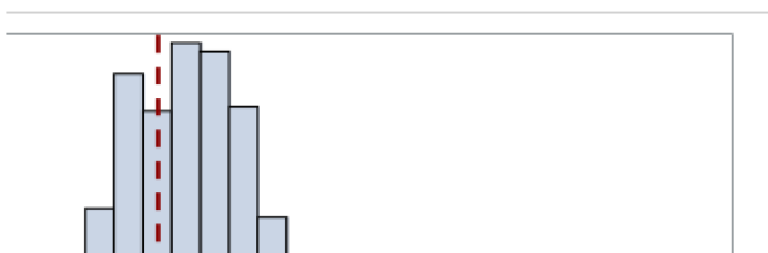
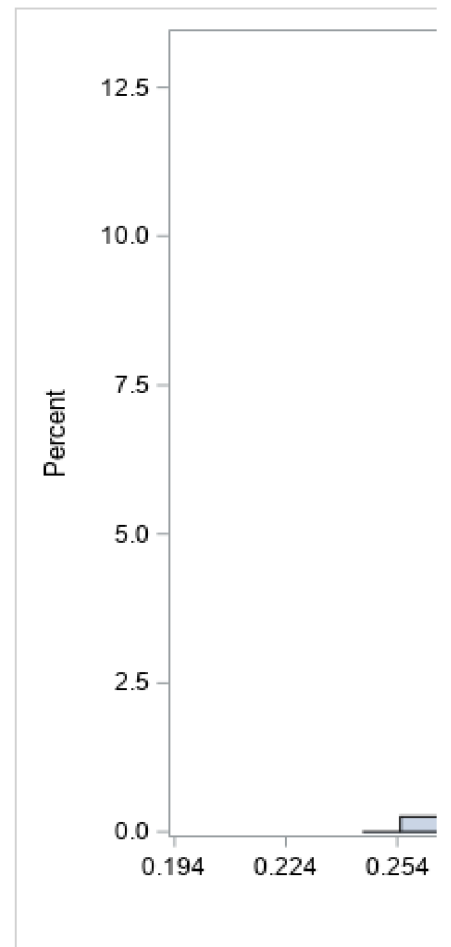
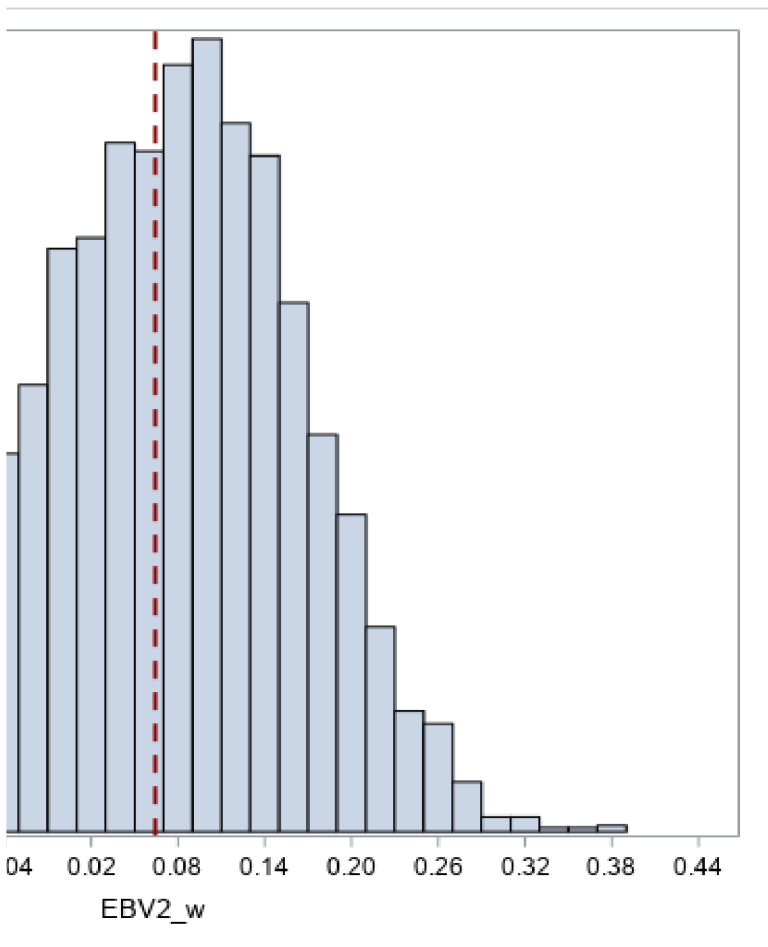
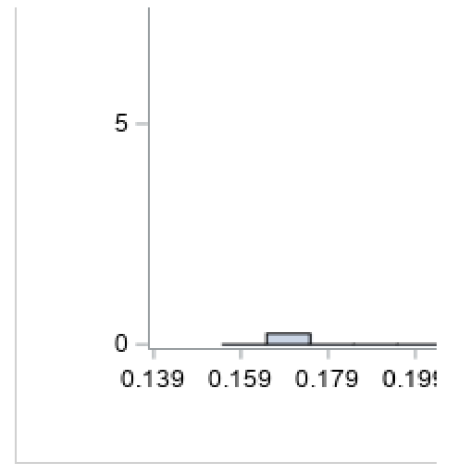
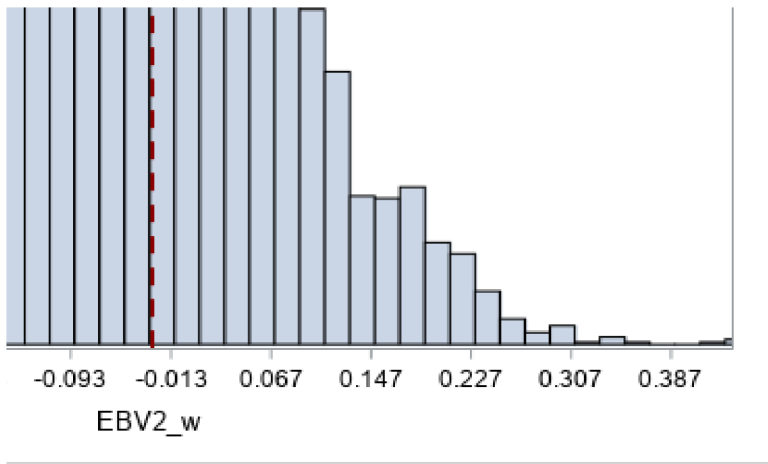


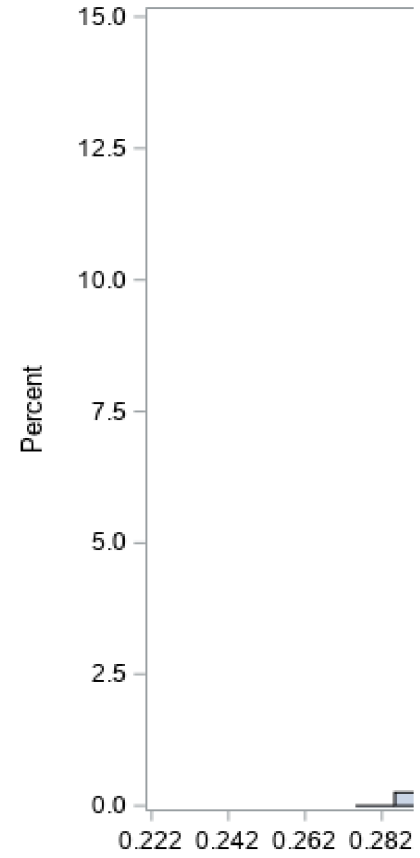
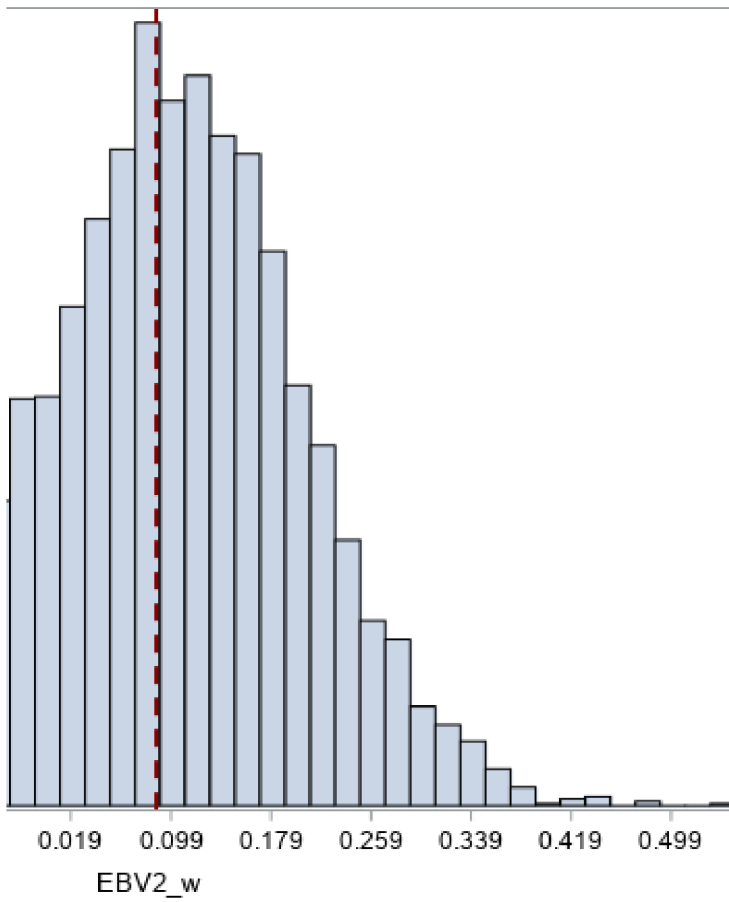
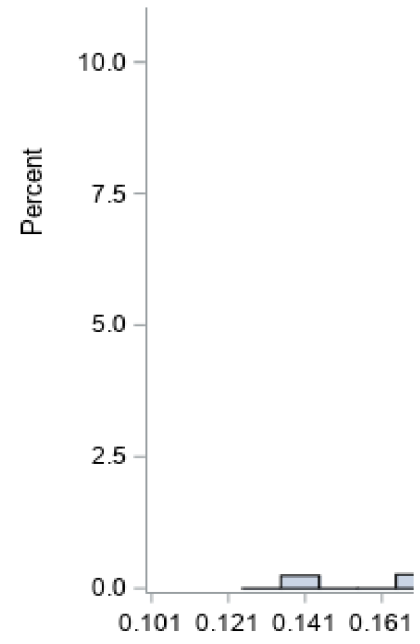
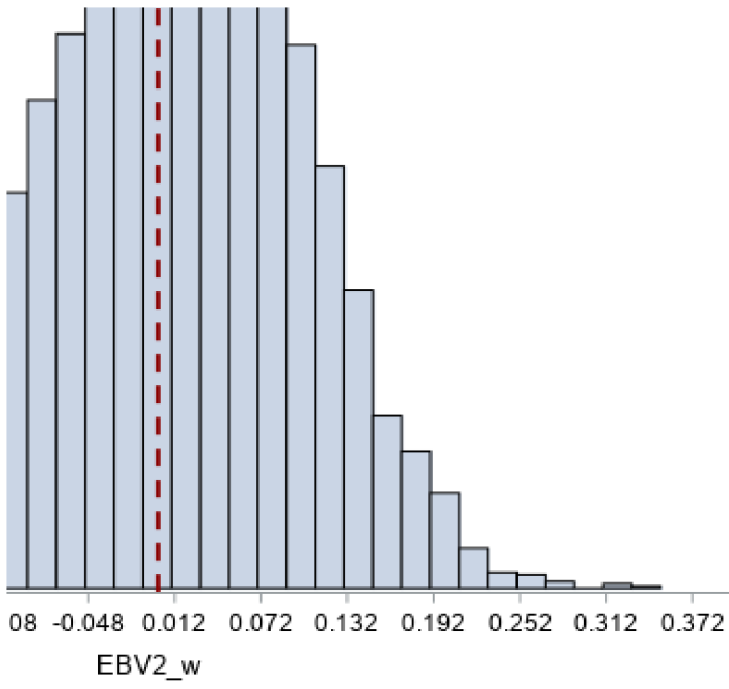


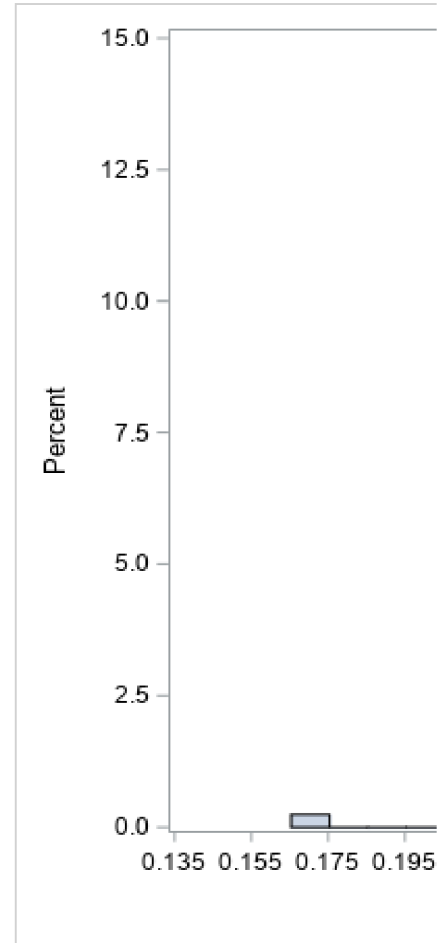
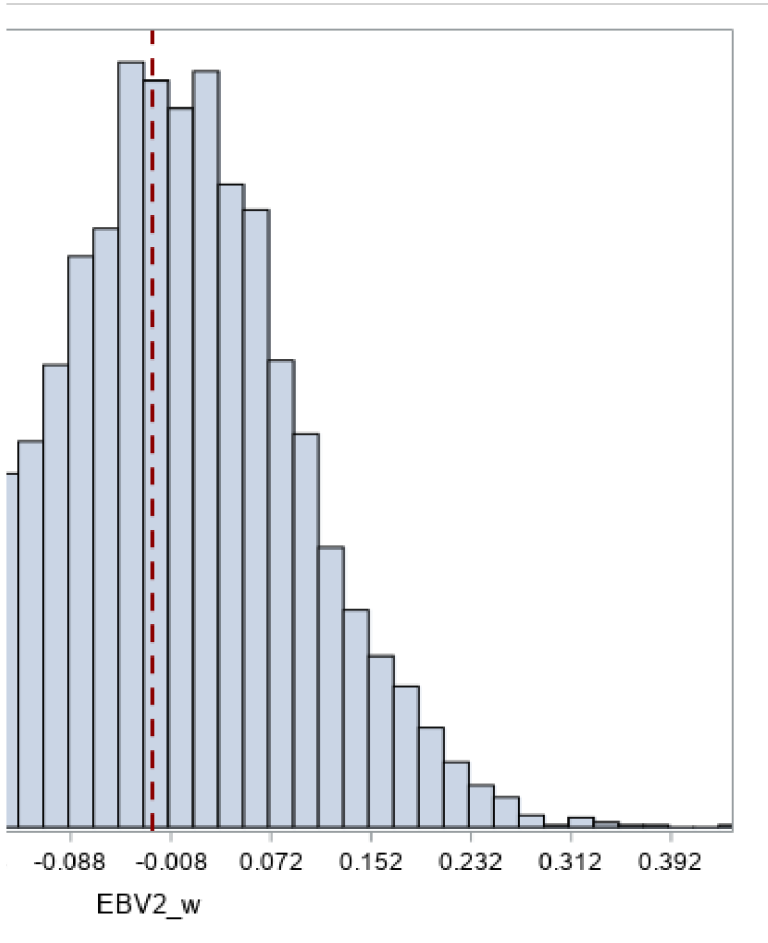


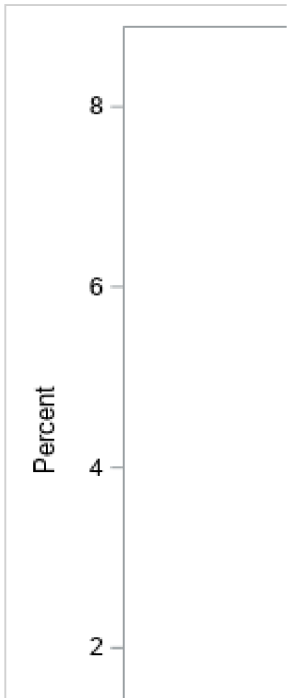
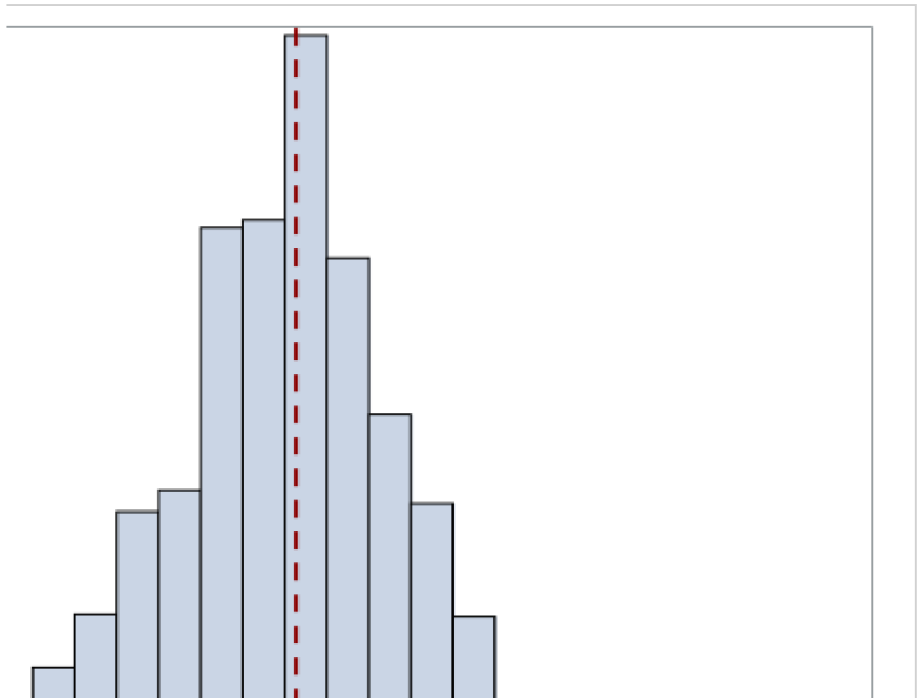
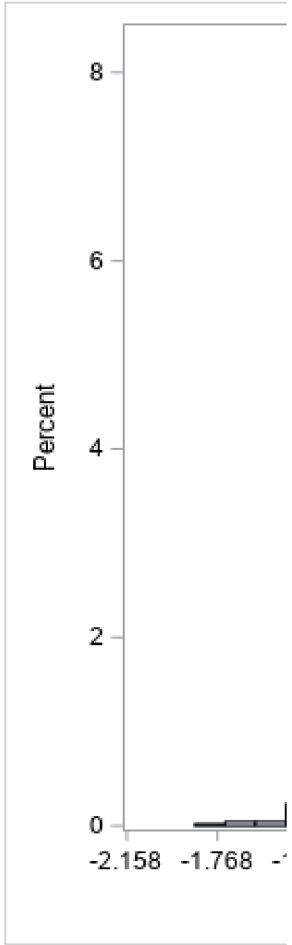
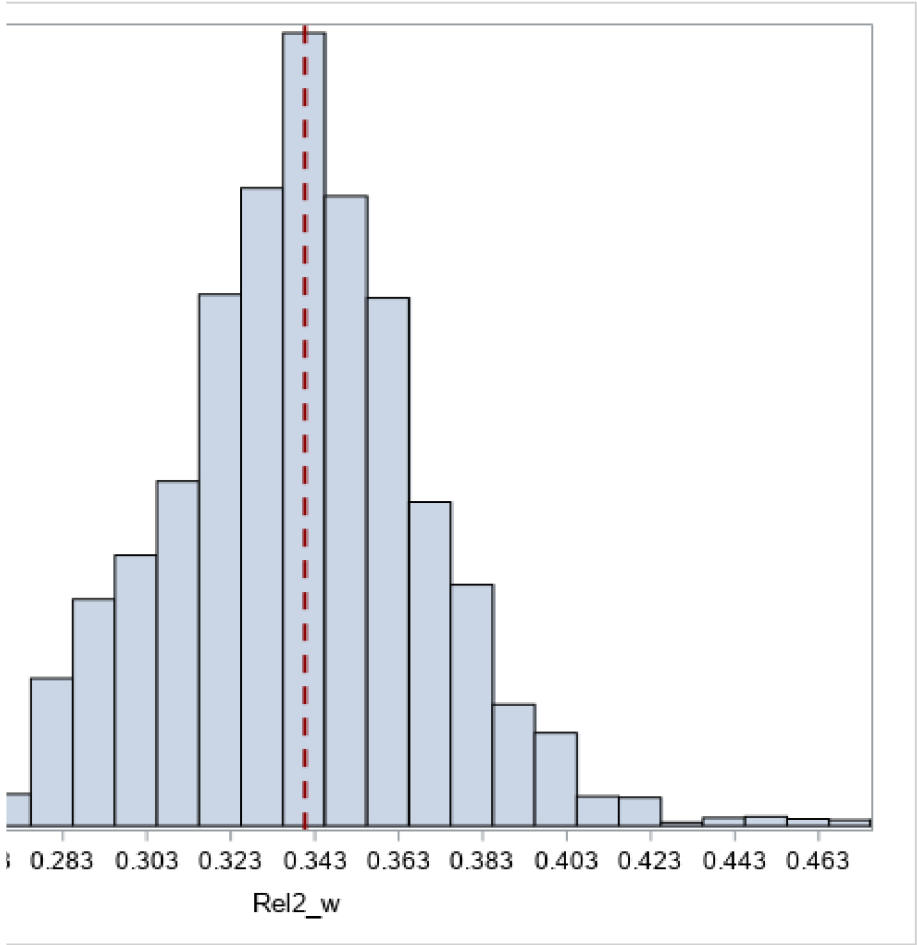


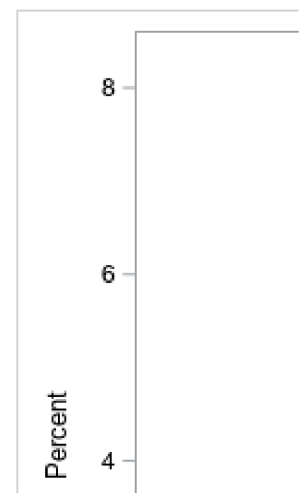
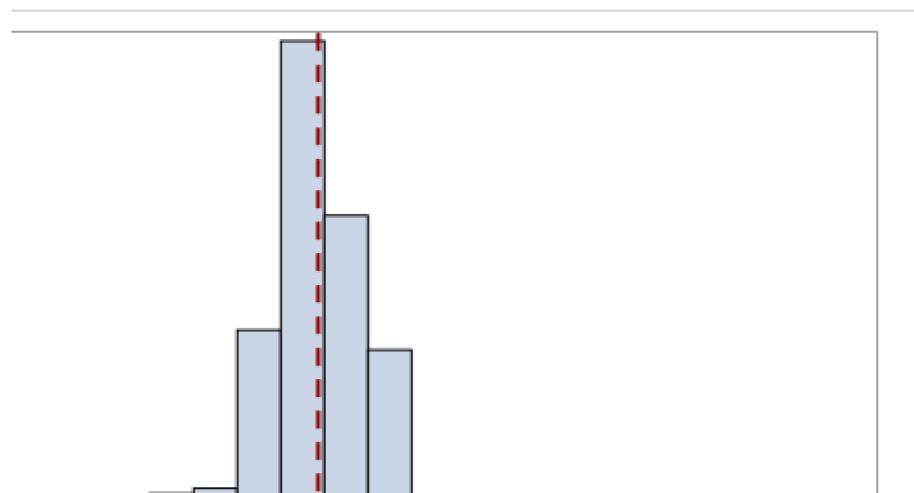
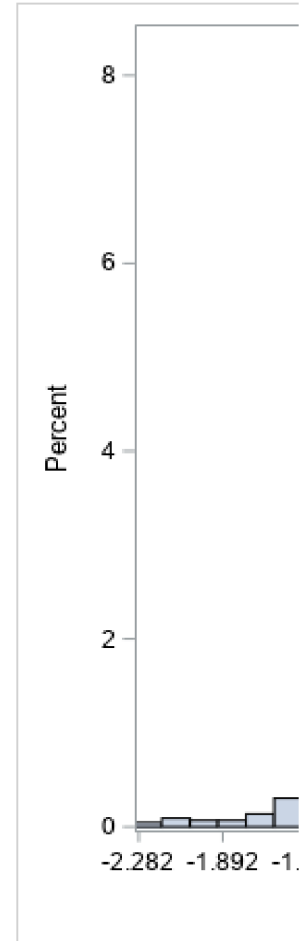
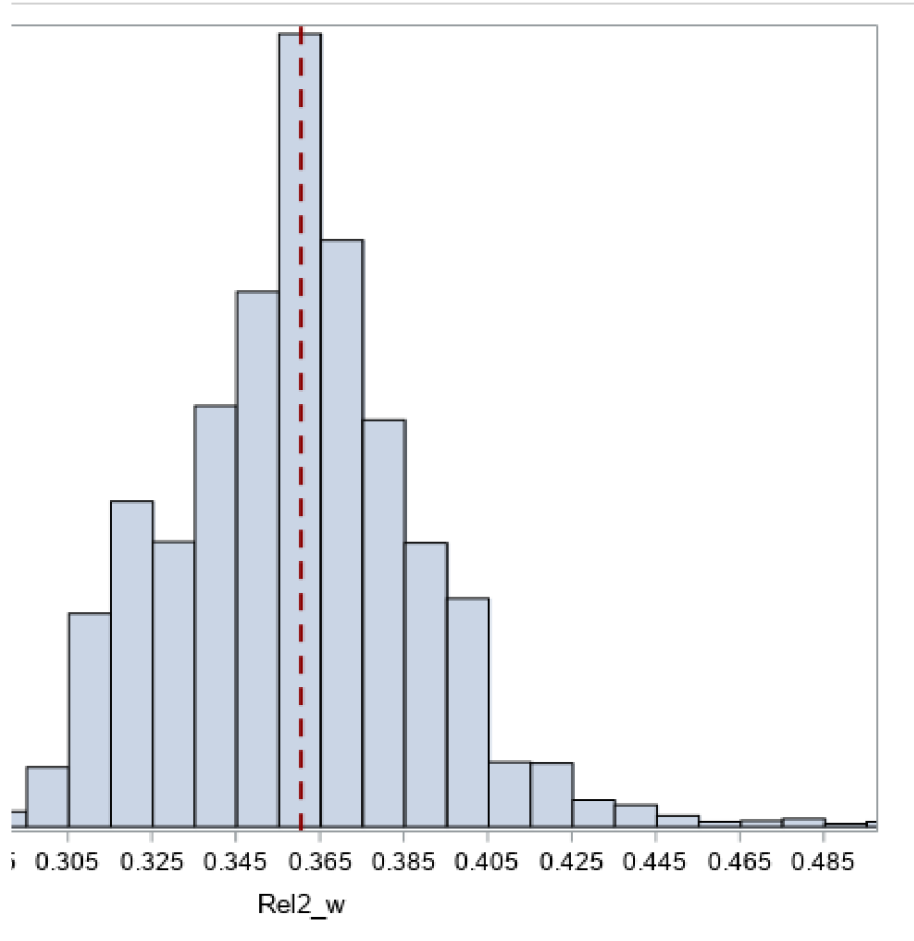
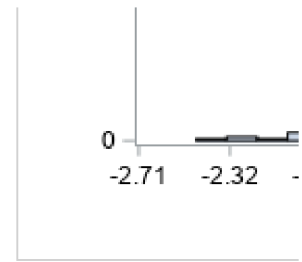
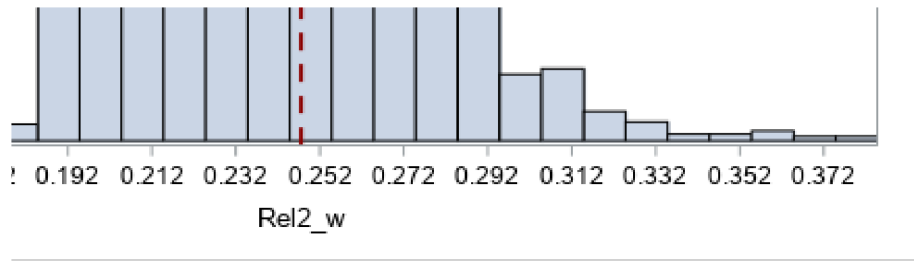


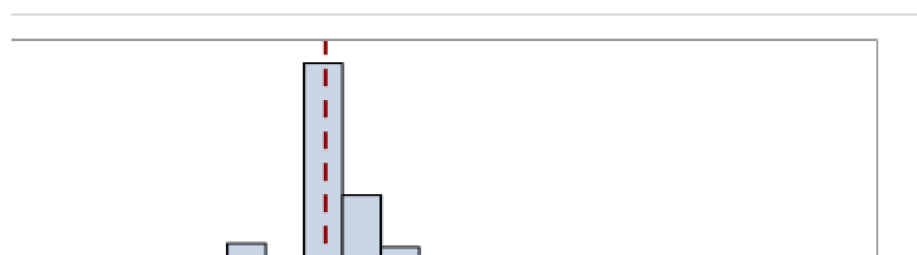
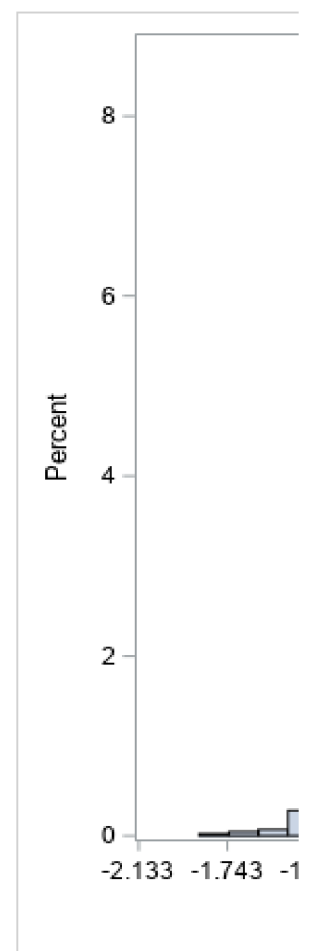
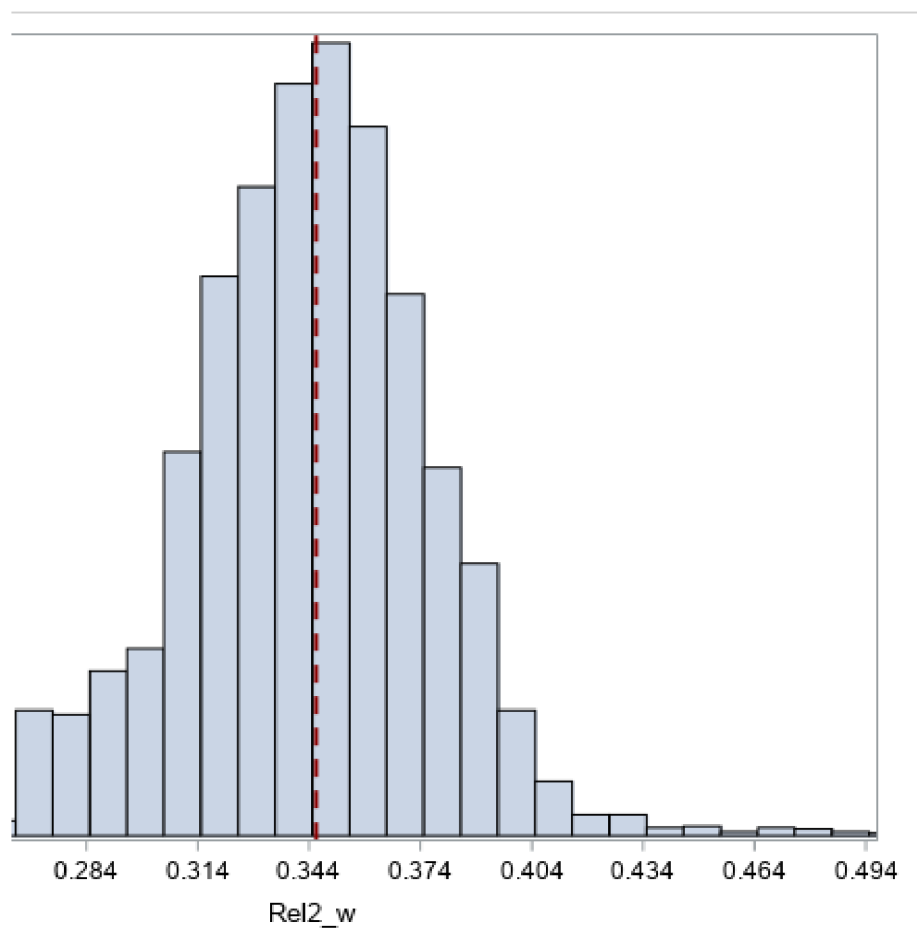
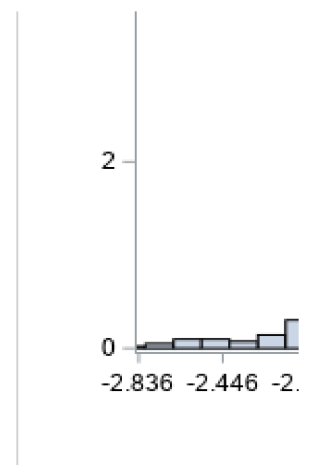
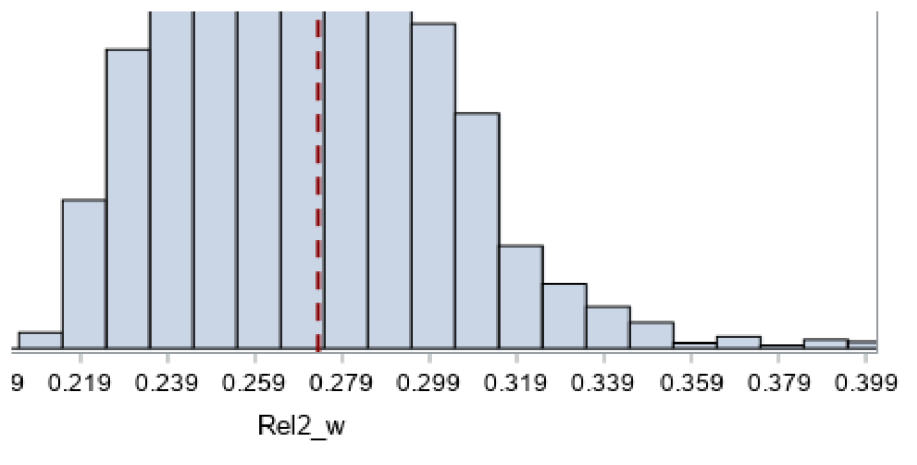


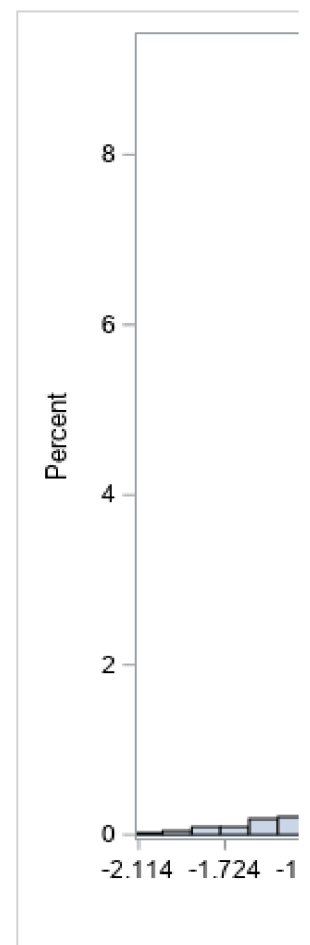
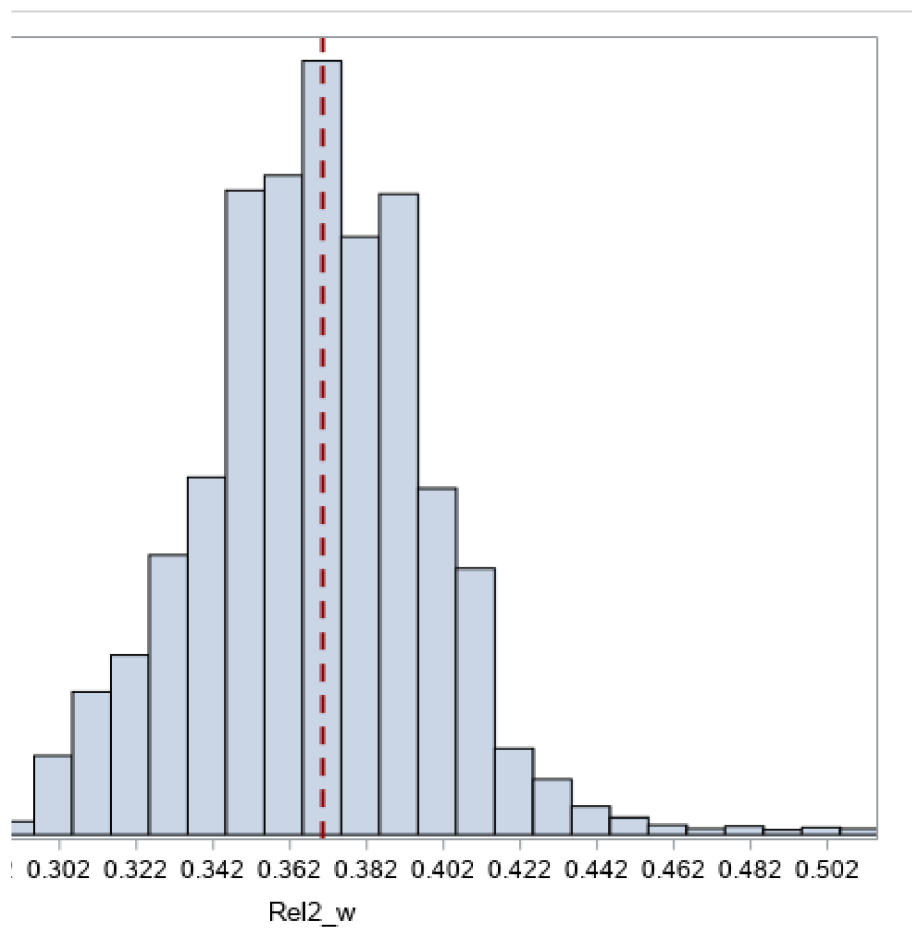
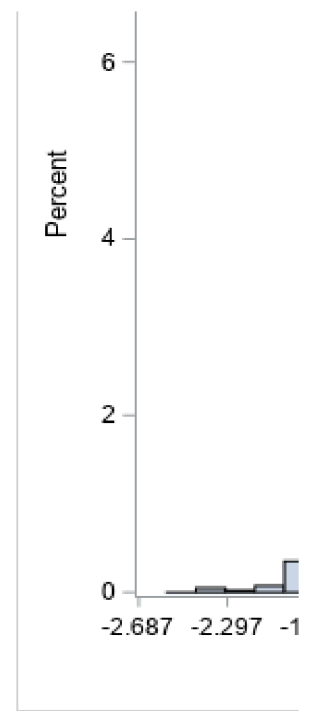
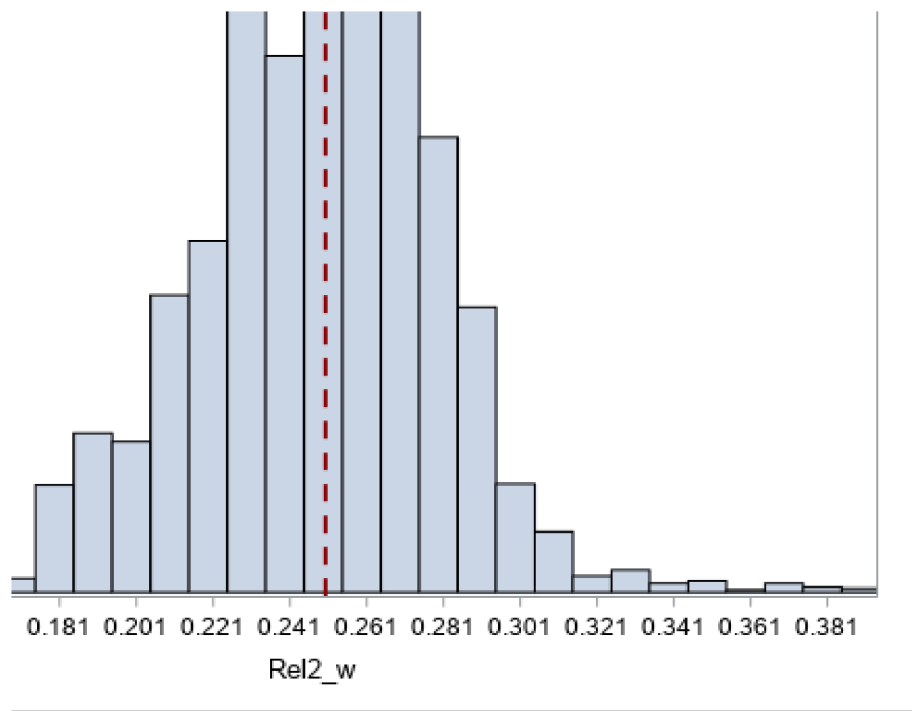


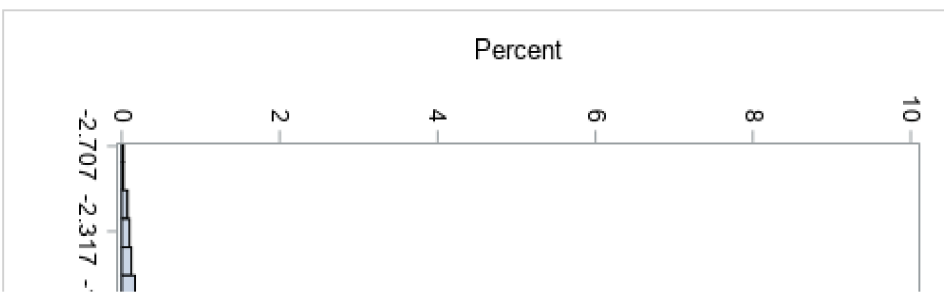
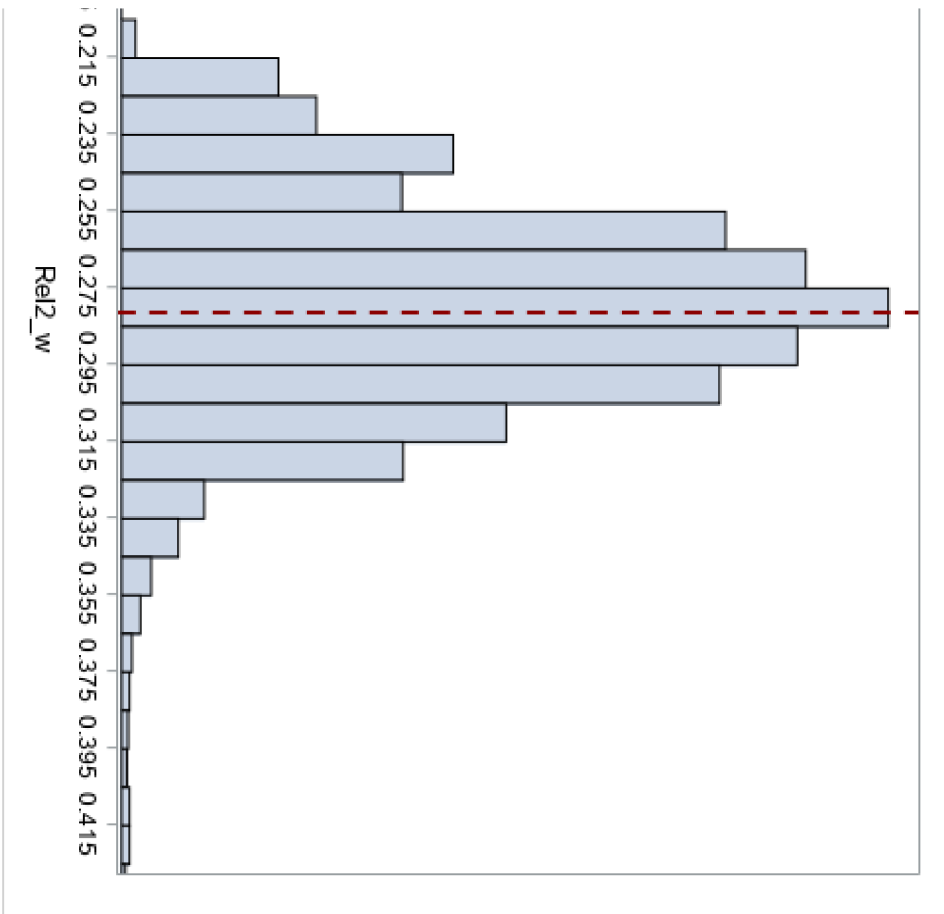


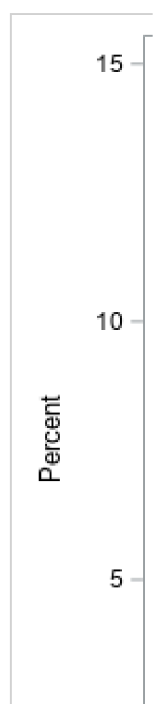
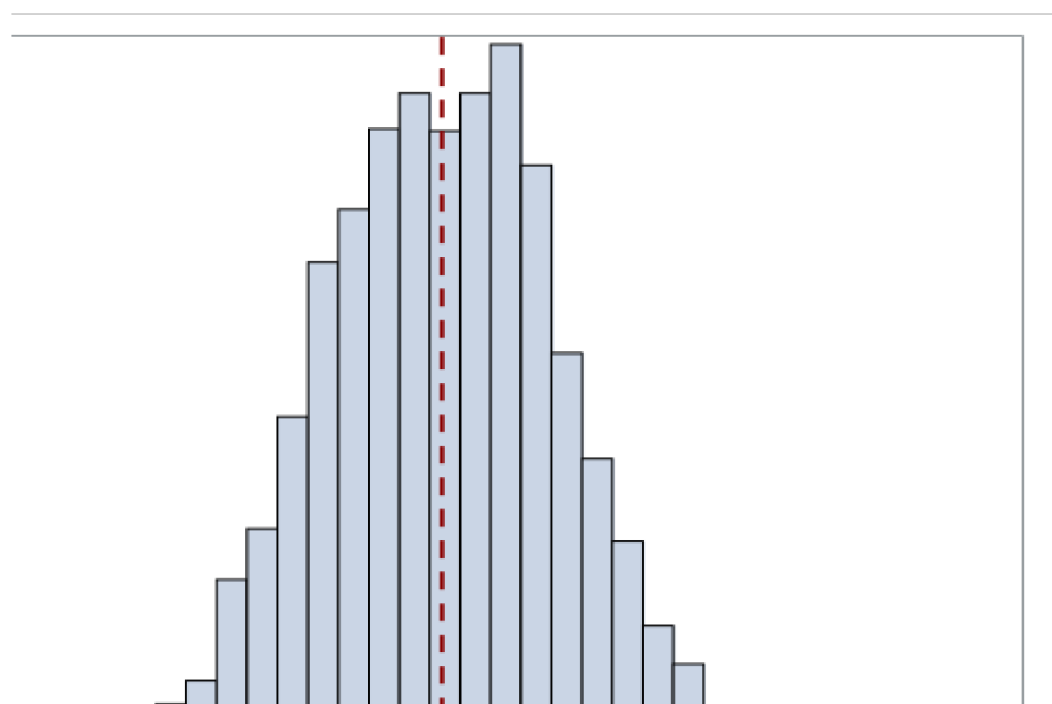
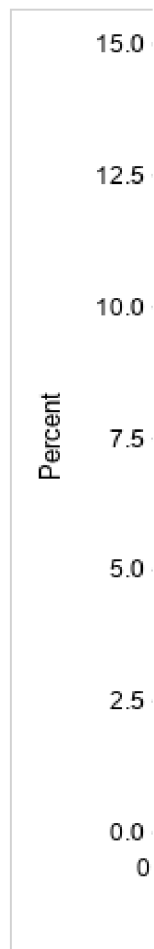
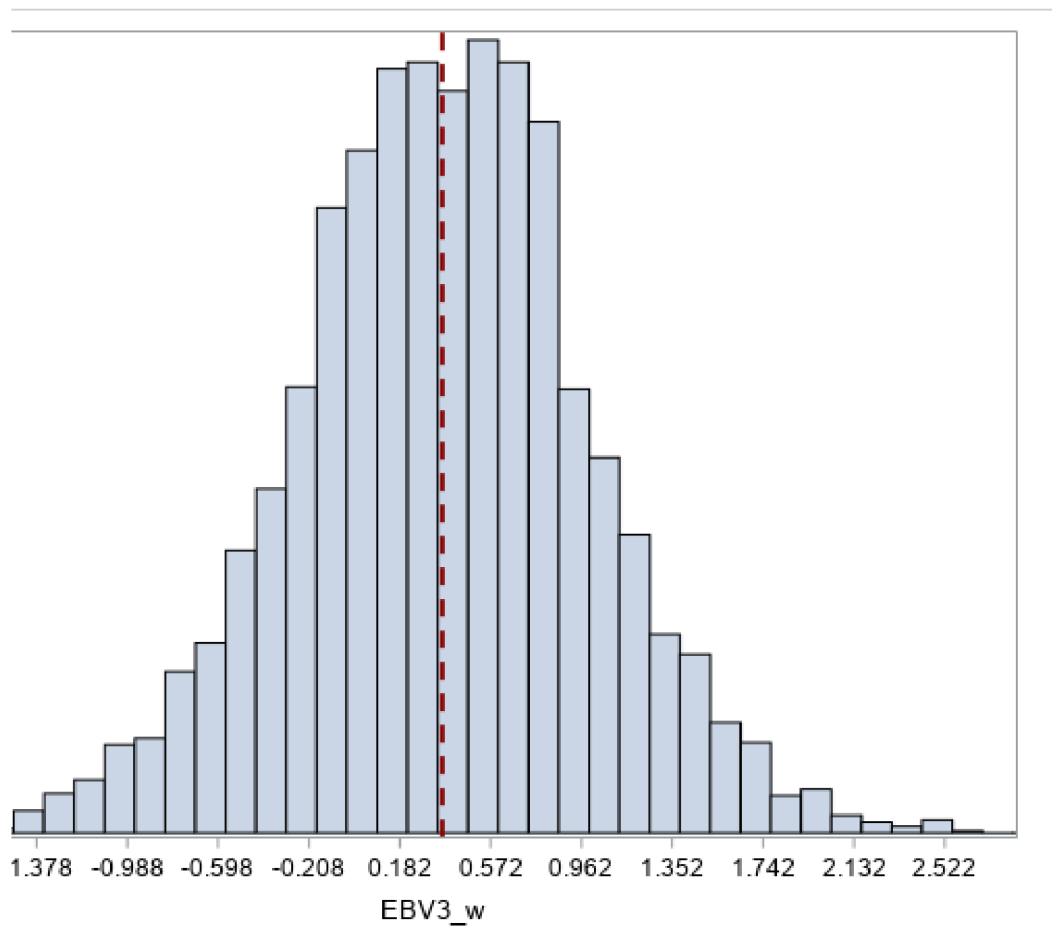


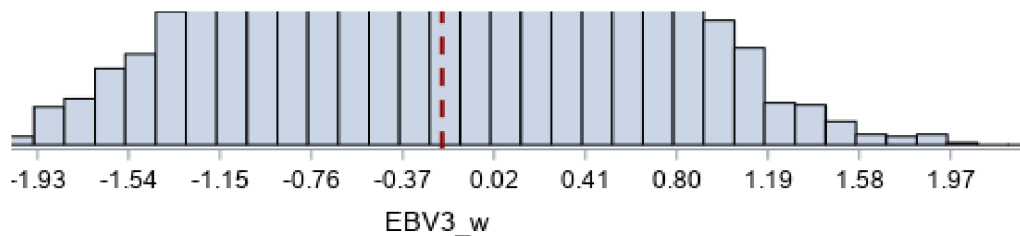




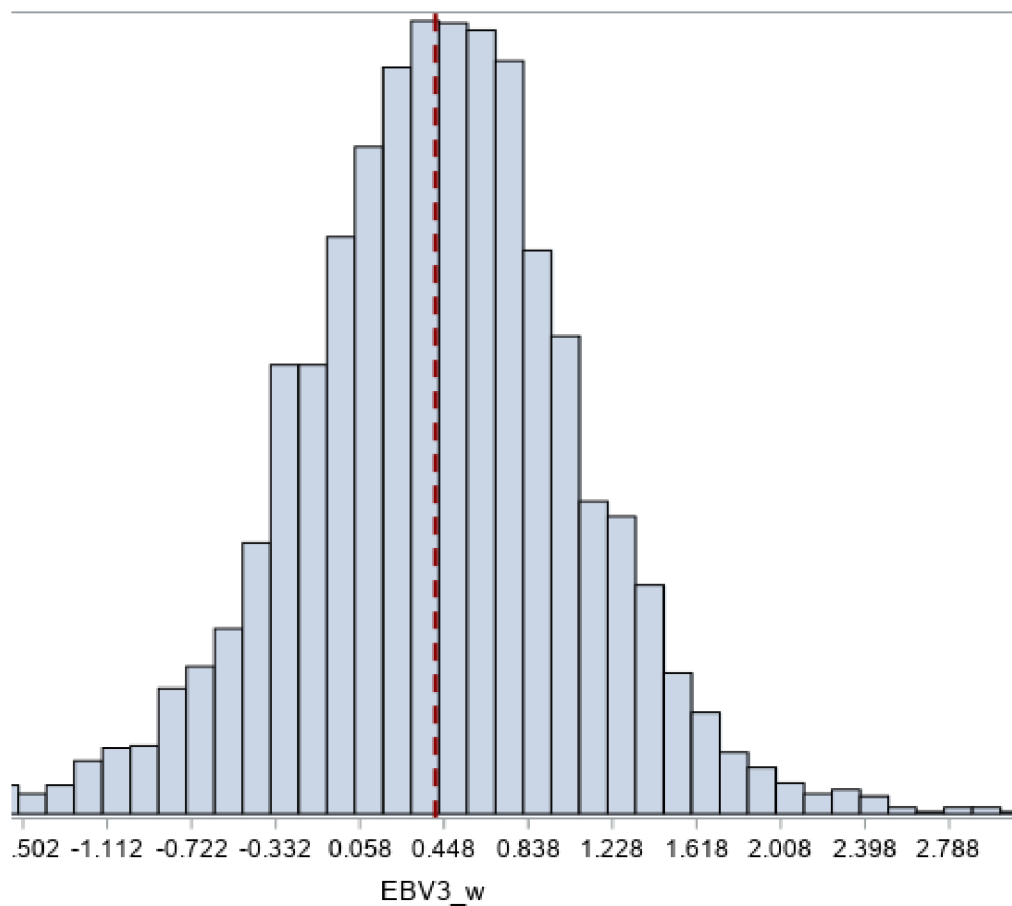




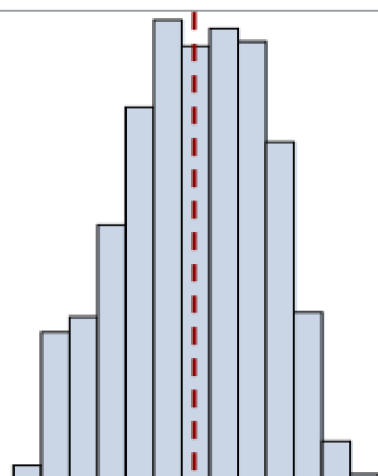




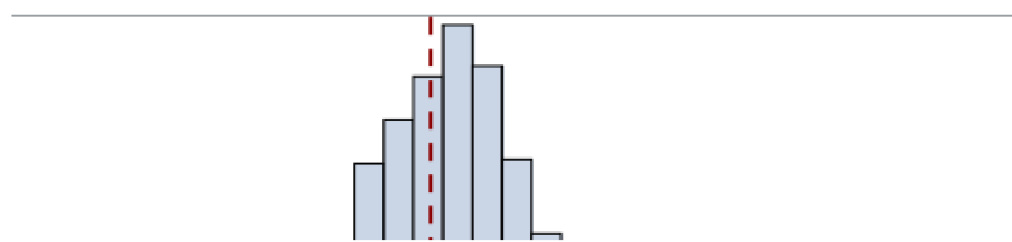
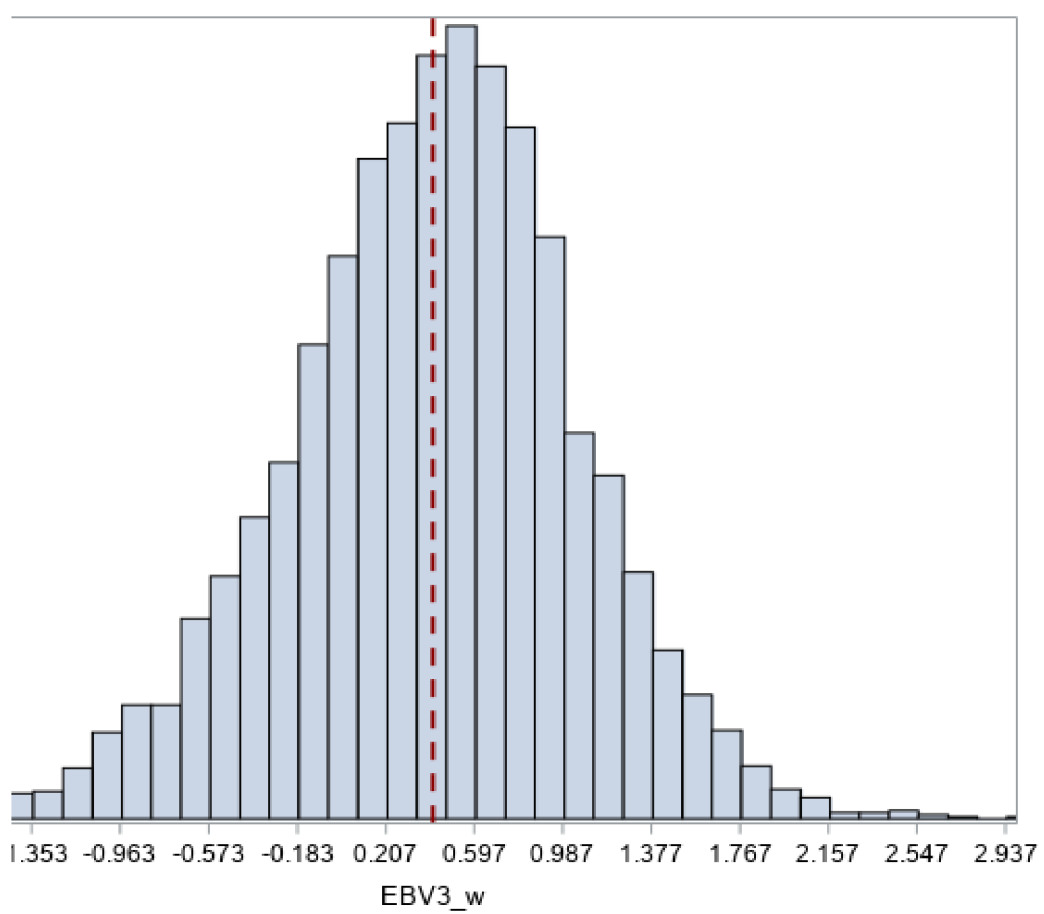
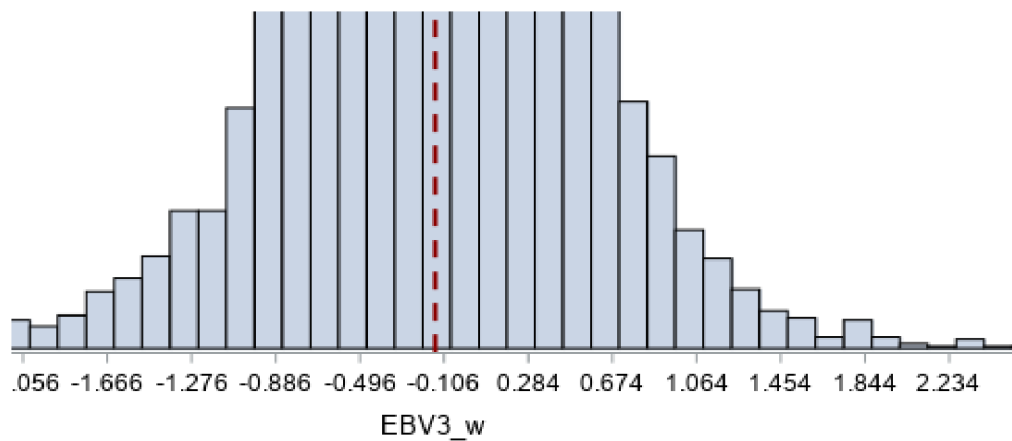
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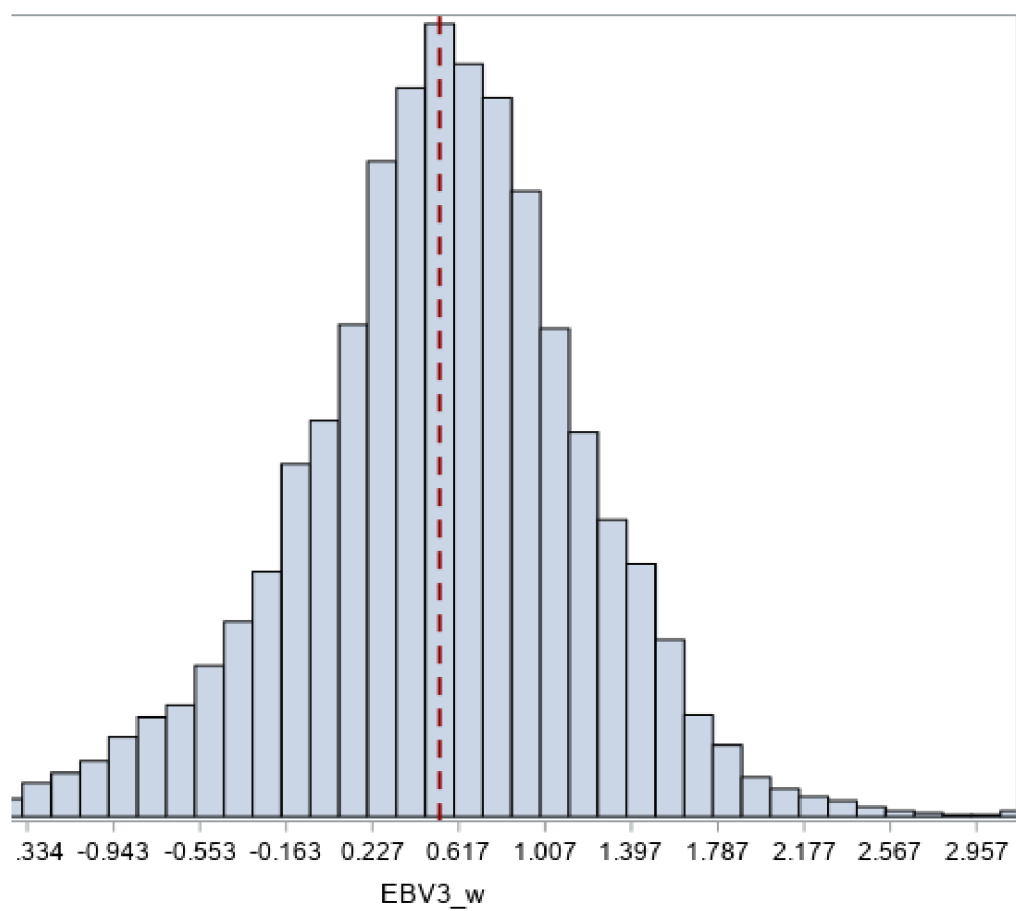
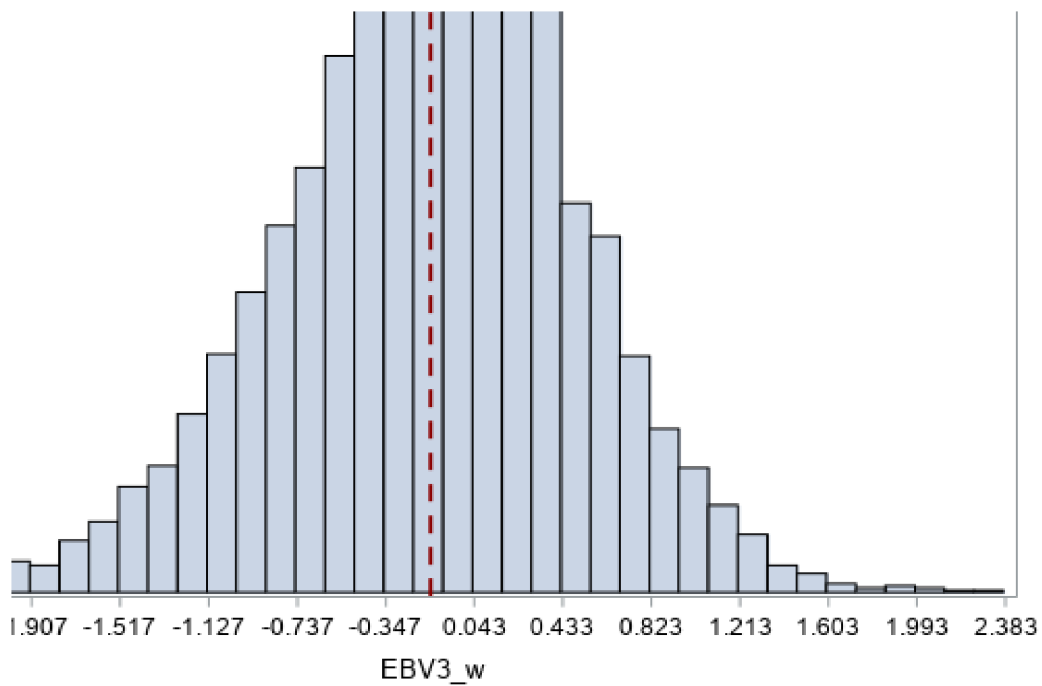


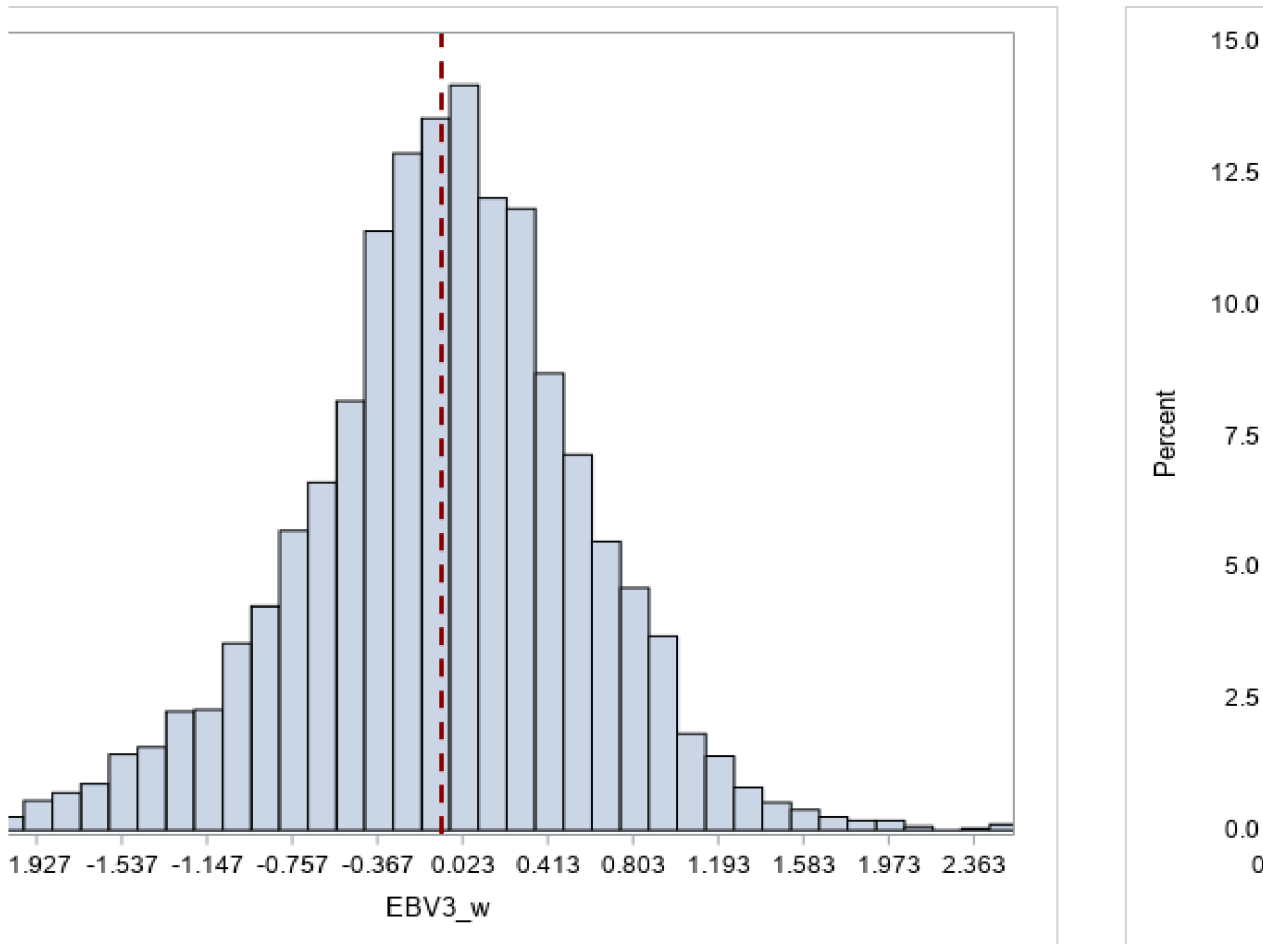
15
10
5
0
0.2

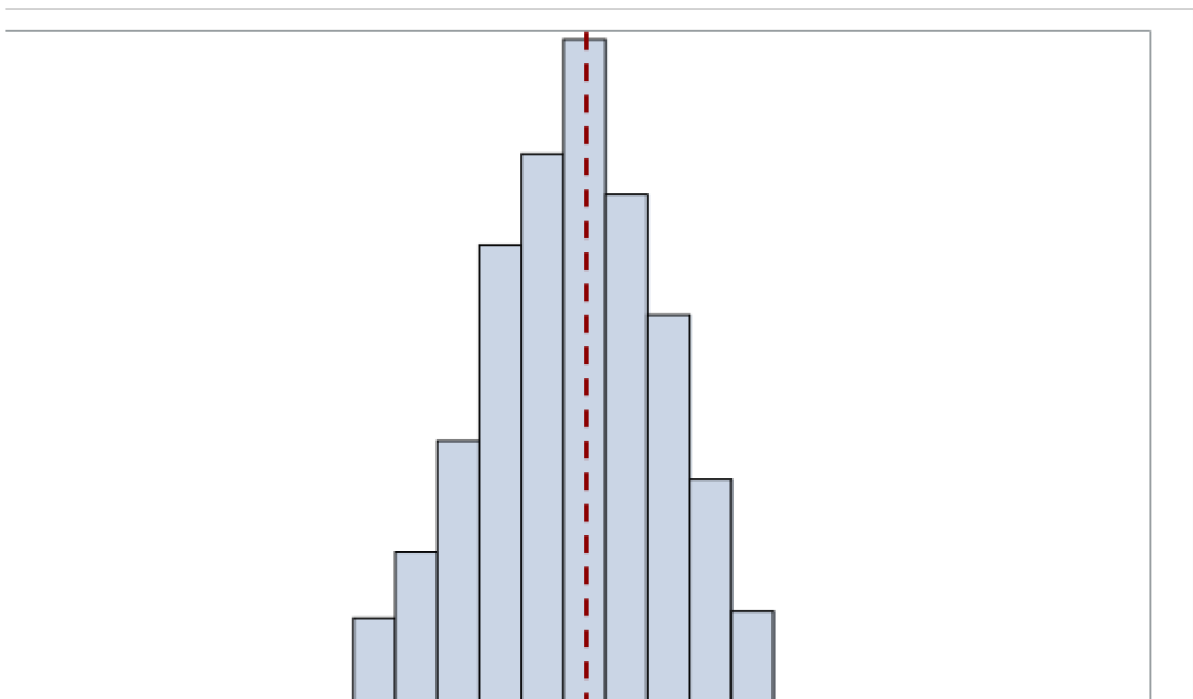
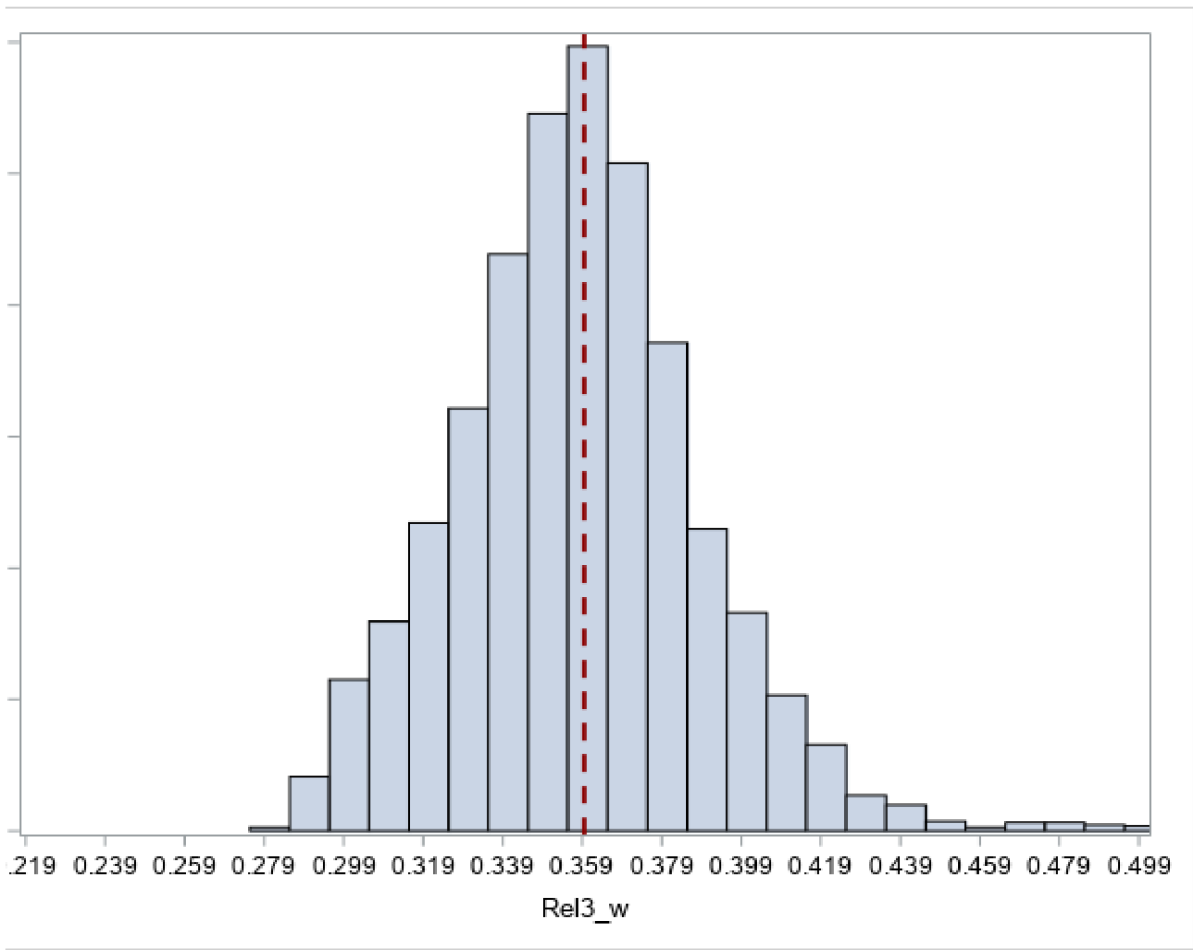


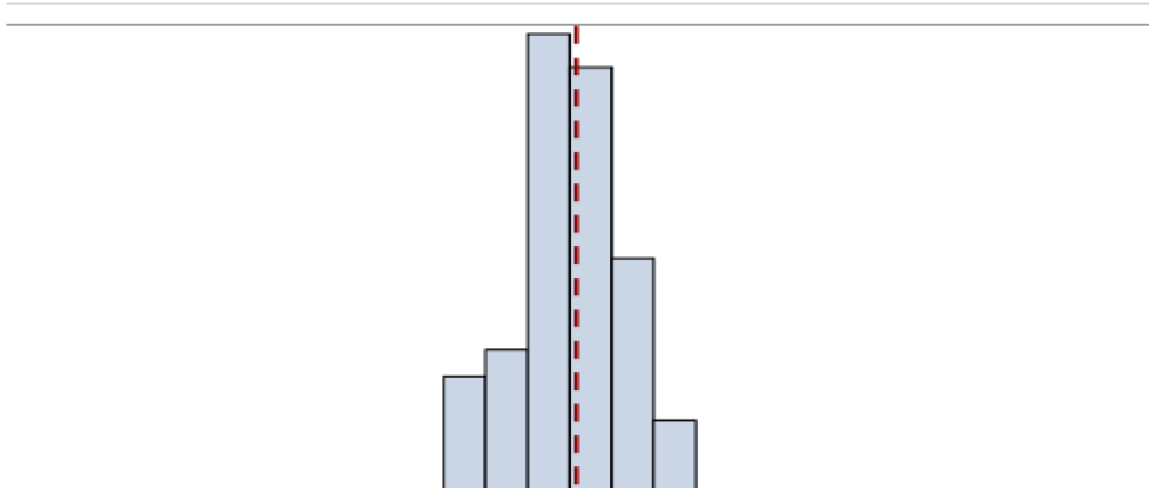
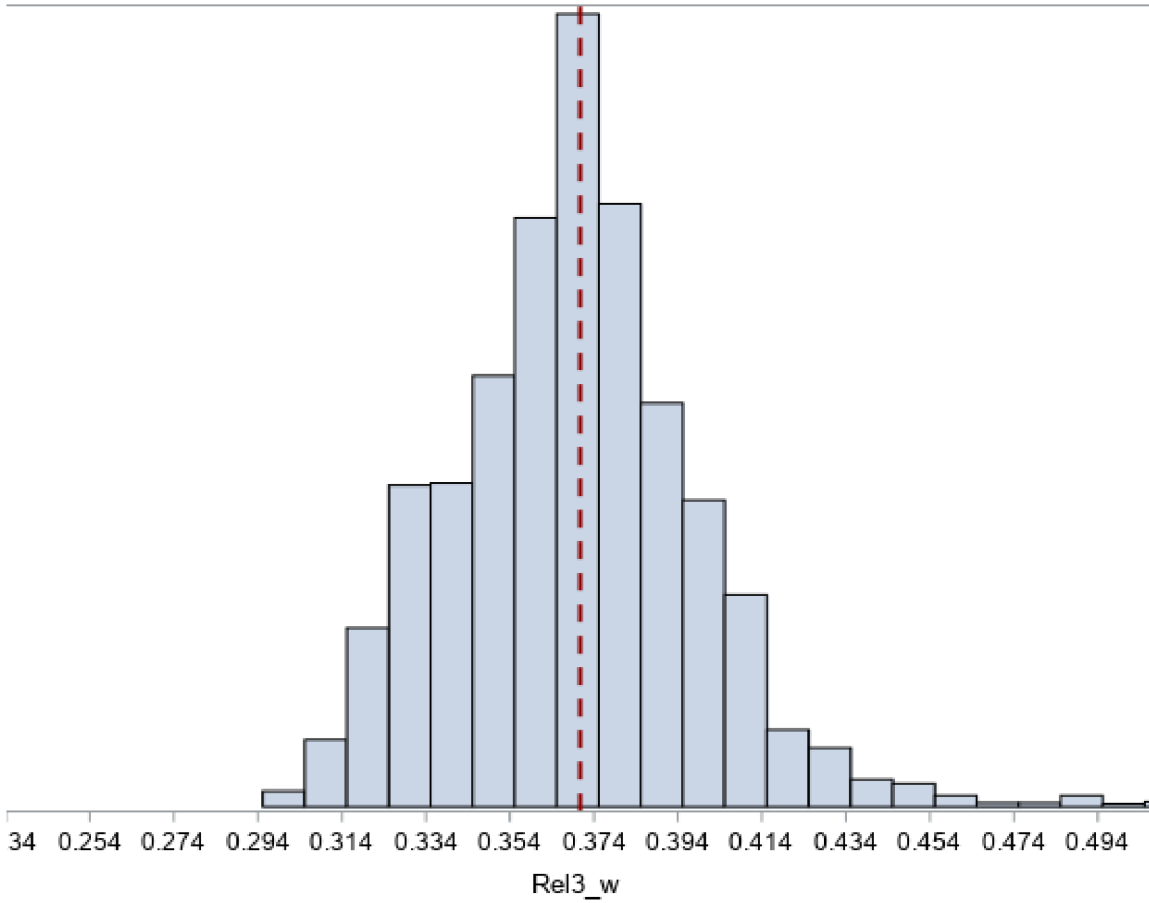
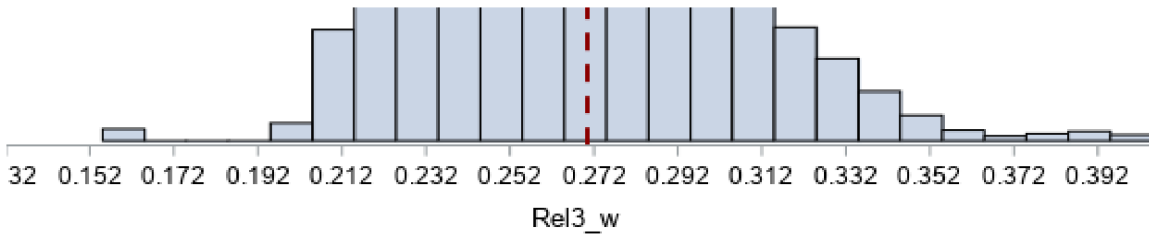
15
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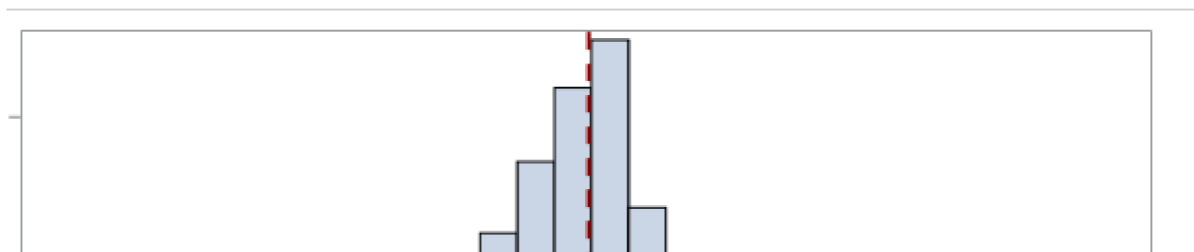
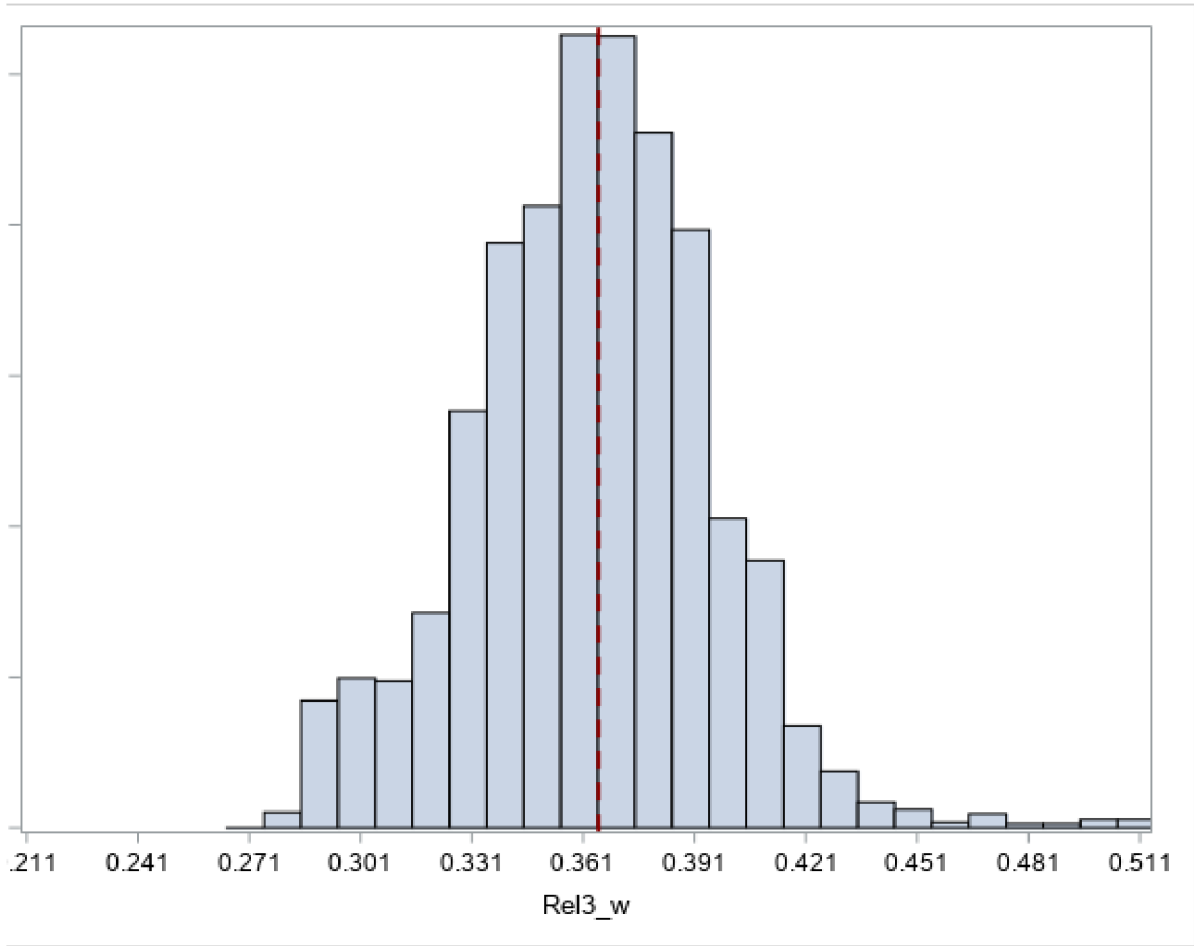
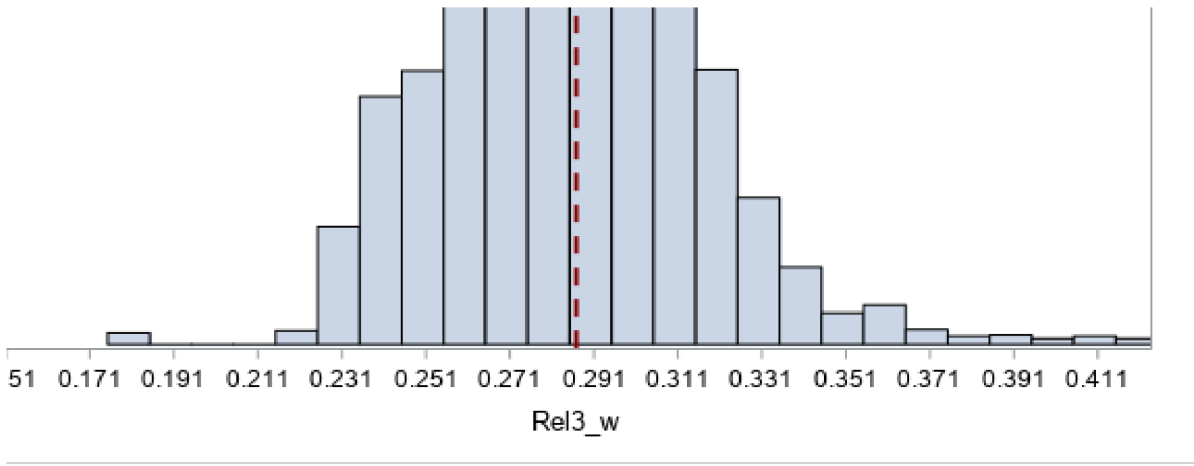


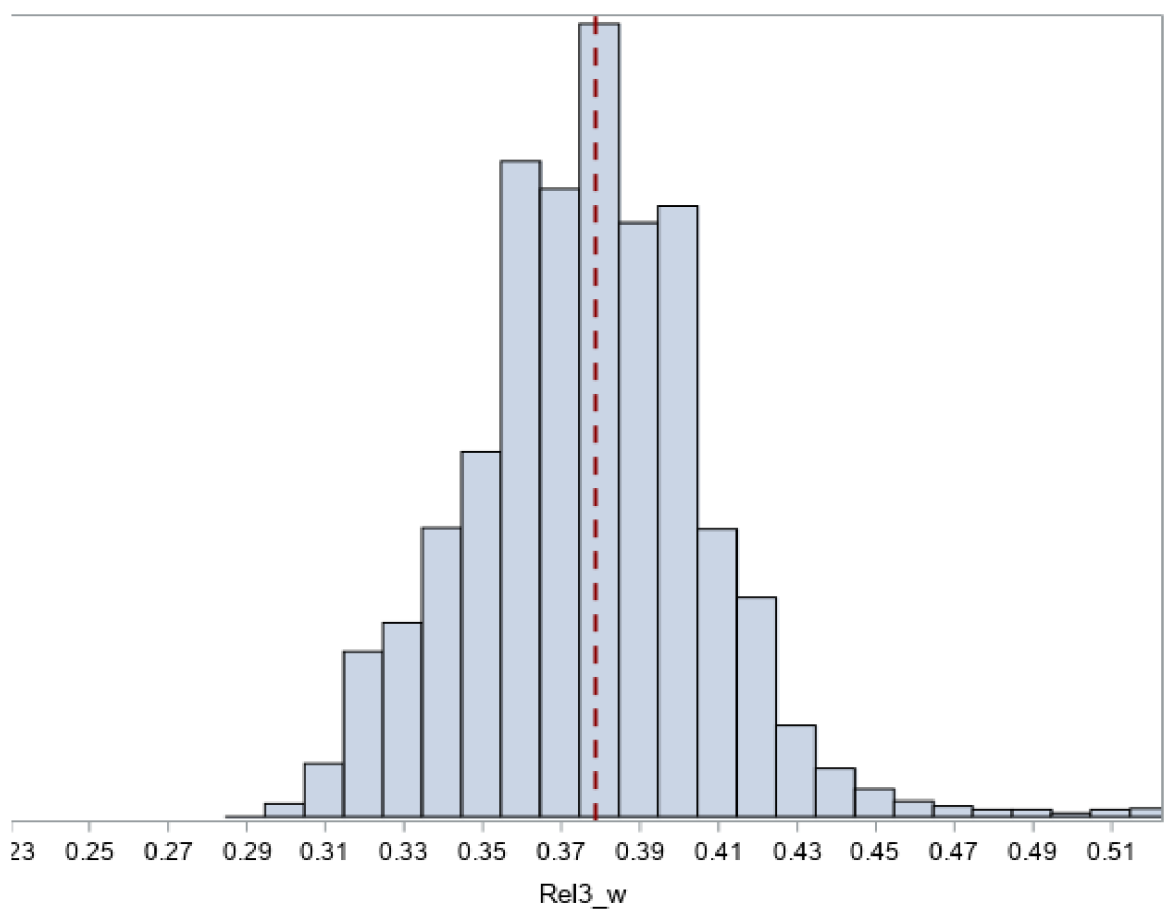
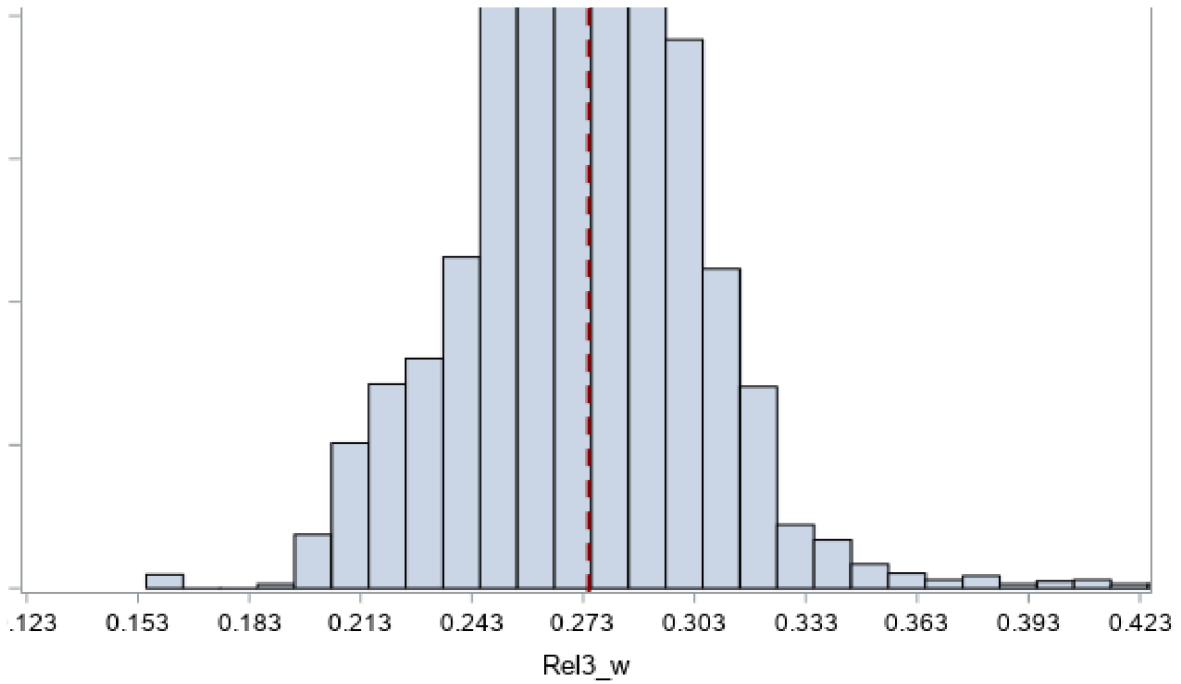


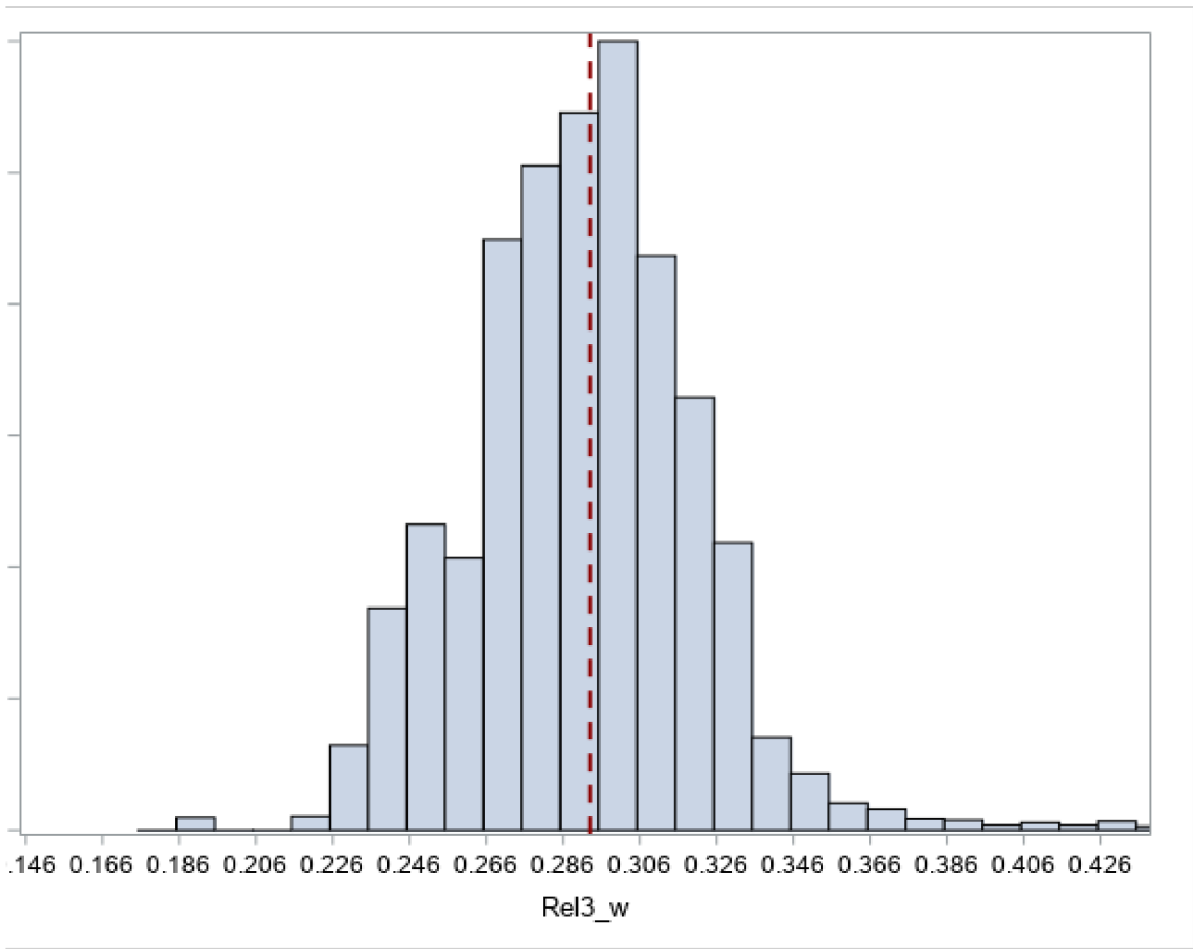






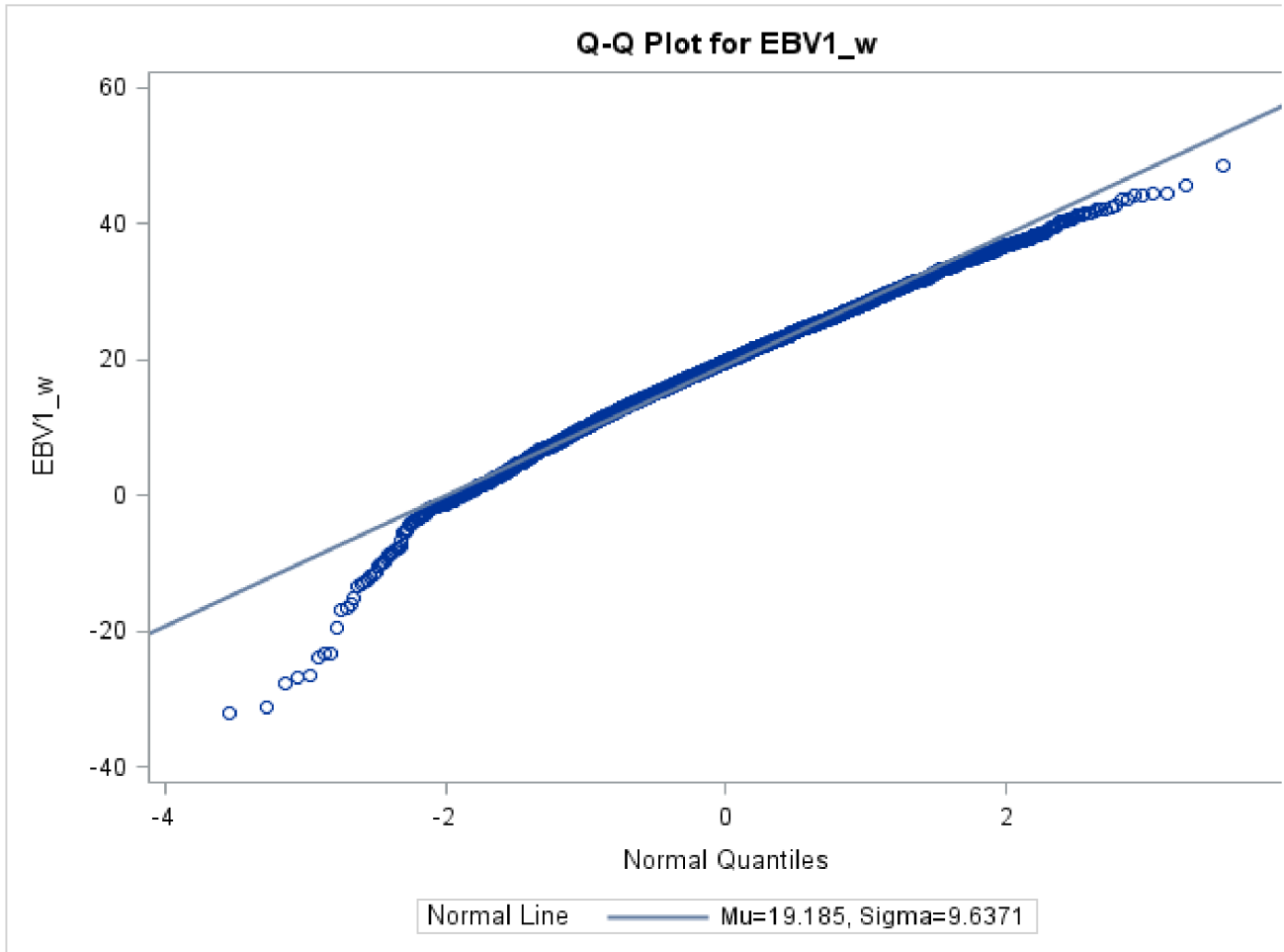




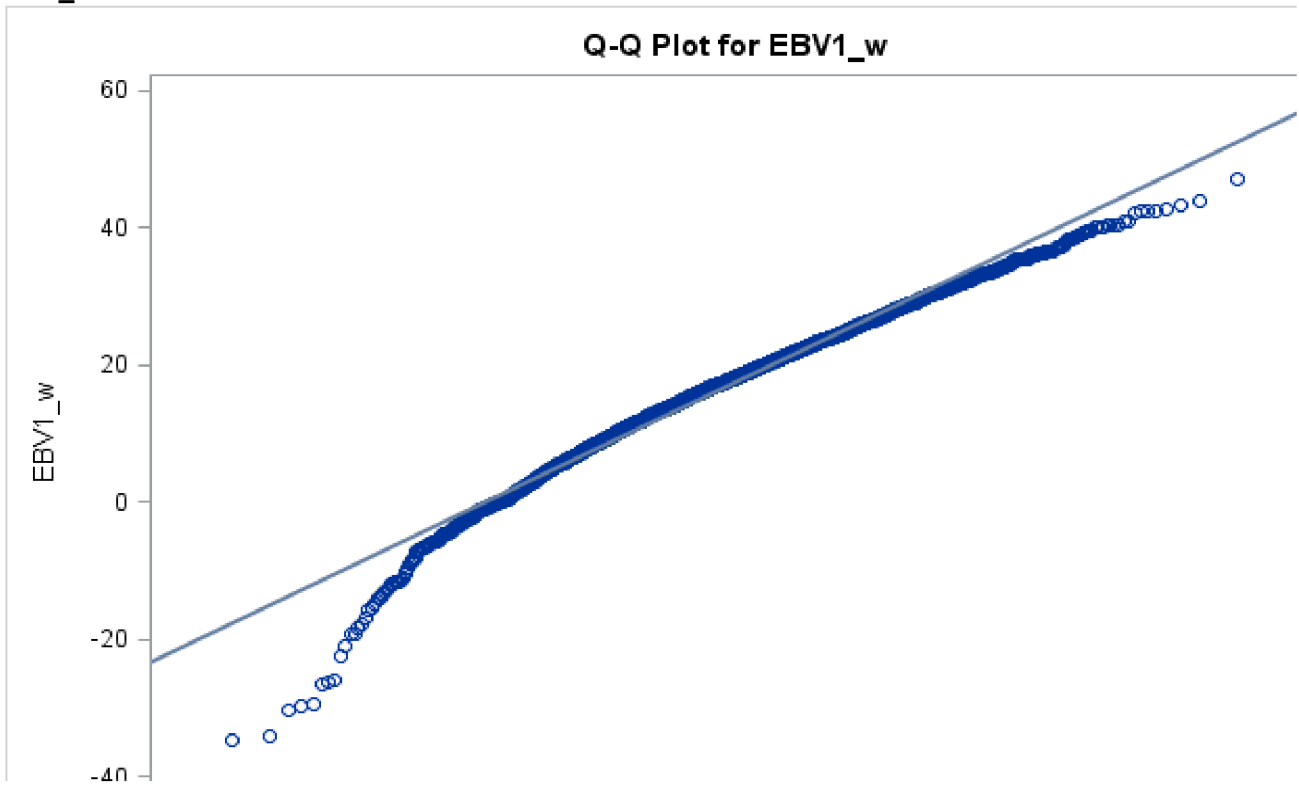


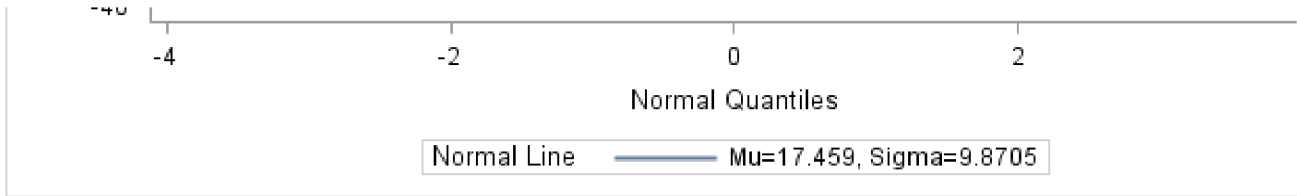
model	poznámka	vlastnost	n	var(A)	$\mu_{p,w}$	$\mu_{p,w} / sd(A)$	$b_{w,p}$	
A1		ADG	3151	402.40	0.36	3.81	1.36	0.58
		BF		0.05	0.01	0.02		0.44
		MD		1.37	-0.02	0.25		0.54
A1_UPG		ADG	3151	402.40	0.23	2.18	0.77	0.72
		BF		0.05	0.00	0.00		0.47
		MD		1.37	-0.05	0.14		0.68
A2		ADG	3151	403.20	-0.89	3.24	1.17	0.58
		BF		0.06	0.01	0.01		0.55
		MD		1.58	-0.02	0.25		0.46
A2_UPG		ADG	3151	403.20	-2.07	2.59	0.93	0.68
		BF		0.06	0.02	0.01		0.57
		MD		1.58	-0.04	0.19		0.53
G1		ADG	3151	364.40	0.24	2.35	0.84	0.74
		BF		0.05	0.01	0.01		0.59
		MD		1.25	0.00	0.16		0.72
G1_UPG		ADG	3151	364.40	-0.17	0.29	0.11	0.83
		BF		0.05	-0.01	-0.01		0.61
		MD		1.25	-0.03	0.03		0.78
G2		ADG	3151	376.50	-1.23	2.35	0.85	0.68
		BF		0.06	0.00	0.01		0.63
		MD		1.48	-0.05	0.19		0.60
G2_UPG		ADG	3151	376.50	-2.58	0.76	0.28	0.79
		BF		0.06	0.00	0.00		0.66
		MD		1.48	-0.05	0.09		0.66
G1b	AlphaBeta 0.80 0.20	ADG	3151	364.40	-0.12	0.40	0.15	0.82
		BF		0.05	-0.01	-0.01		0.59
		MD		1.25	-0.04	0.04		0.77
G1c	AlphaBeta 0.65 0.35	ADG	3151	364.40	-0.03	0.57	0.21	0.81
		BF		0.05	0.00	-0.01		0.56
		MD		1.25	-0.04	0.05		0.75
G1d	AlphaBeta 0.50 0.50	ADG	3151	364.40	0.04	0.78	0.28	0.79
		BF		0.05	0.00	-0.01		0.54
		MD		1.25	-0.04	0.06		0.73
G1e	tunedG 0	ADG	3151	364.40	0.40	1.32	0.47	0.82
		BF		0.05	0.00	-0.01		0.61
		MD		1.25	0.02	0.08		0.77
G1f	tunedG 1	ADG	3151	364.40	0.40	1.24	0.44	0.82
		BF		0.05	0.00	-0.01		0.61
		MD		1.25	0.02	0.07		0.77
G1g	tunedG 3	ADG	3151	364.40	-0.14	0.38	0.14	0.83
		BF		0.05	-0.01	-0.01		0.61
		MD		1.25	-0.03	0.04		0.78
G1h	tunedG 4	ADG	3151	364.40	-0.17	0.32	0.12	0.83
		BF		0.05	-0.01	-0.01		0.61
		MD		1.25	-0.03	0.03		0.78

A1

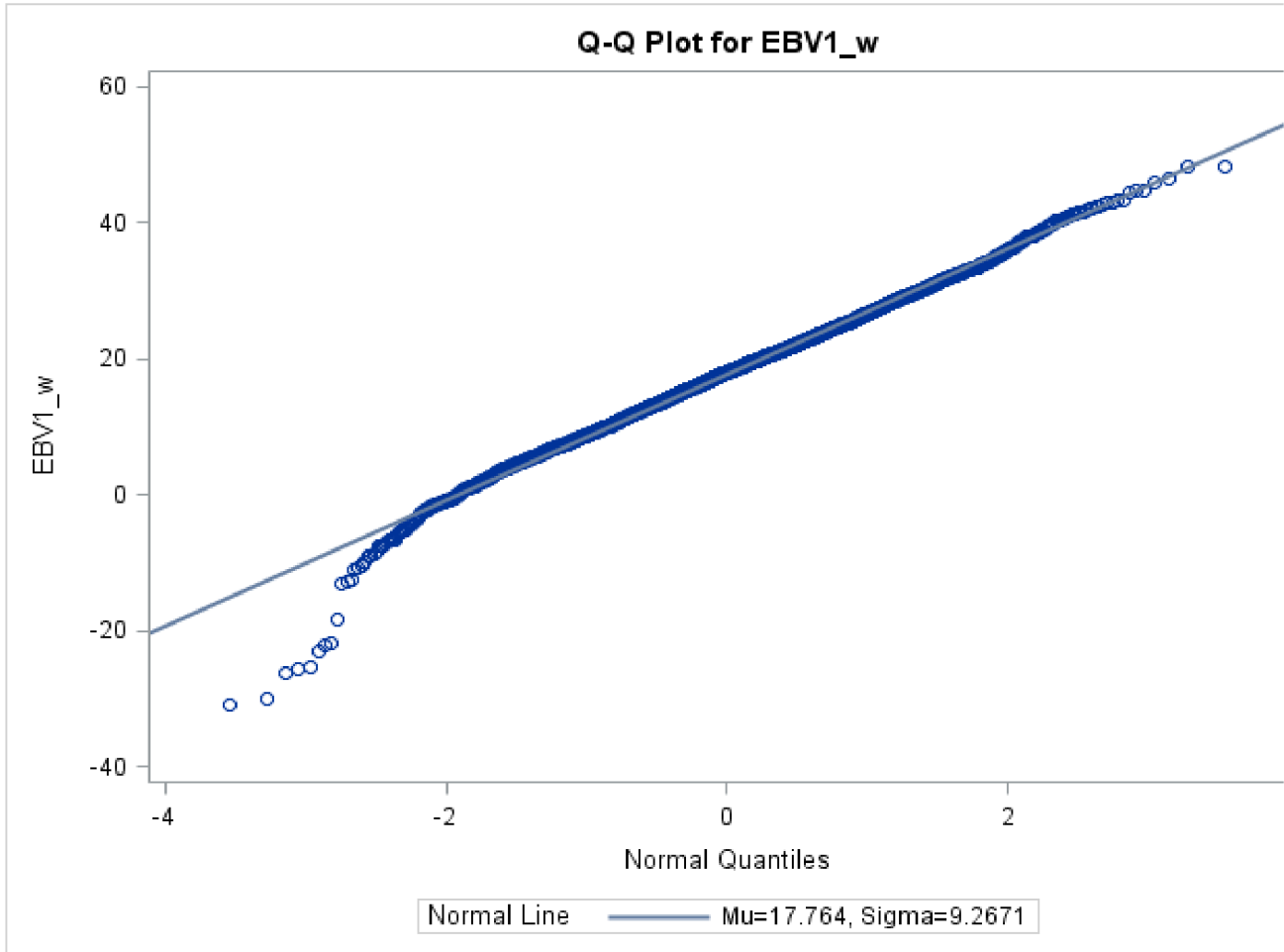


A1_UPG

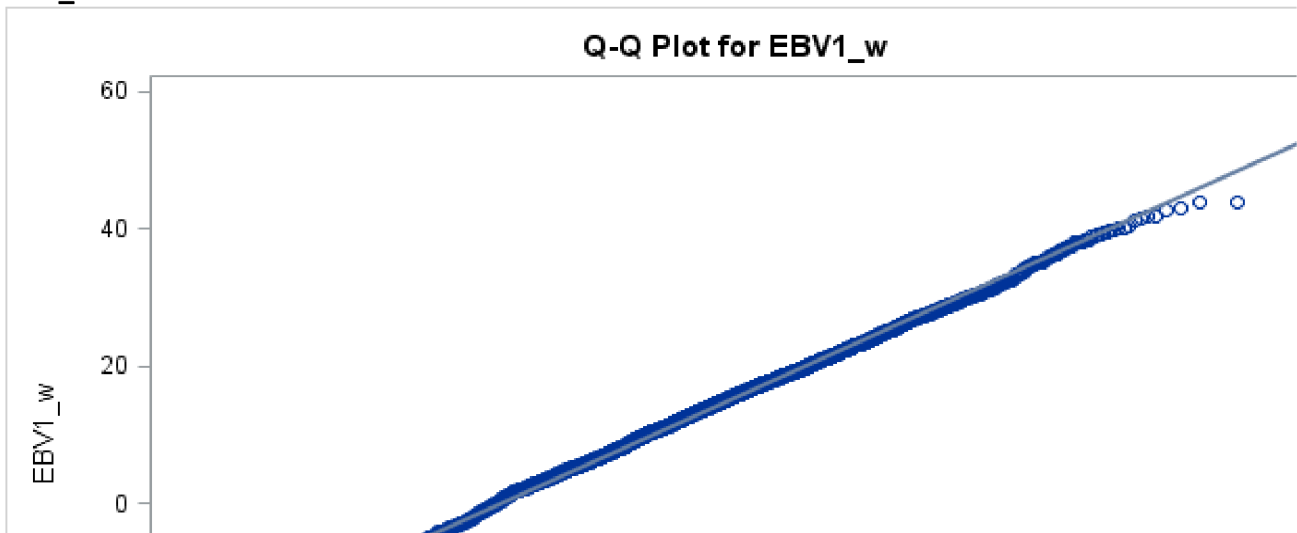


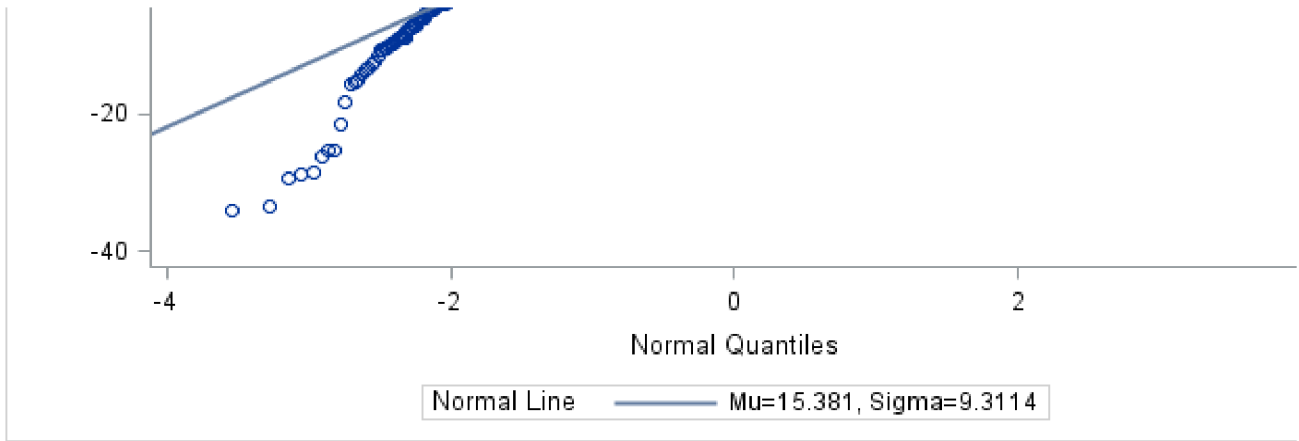


A2

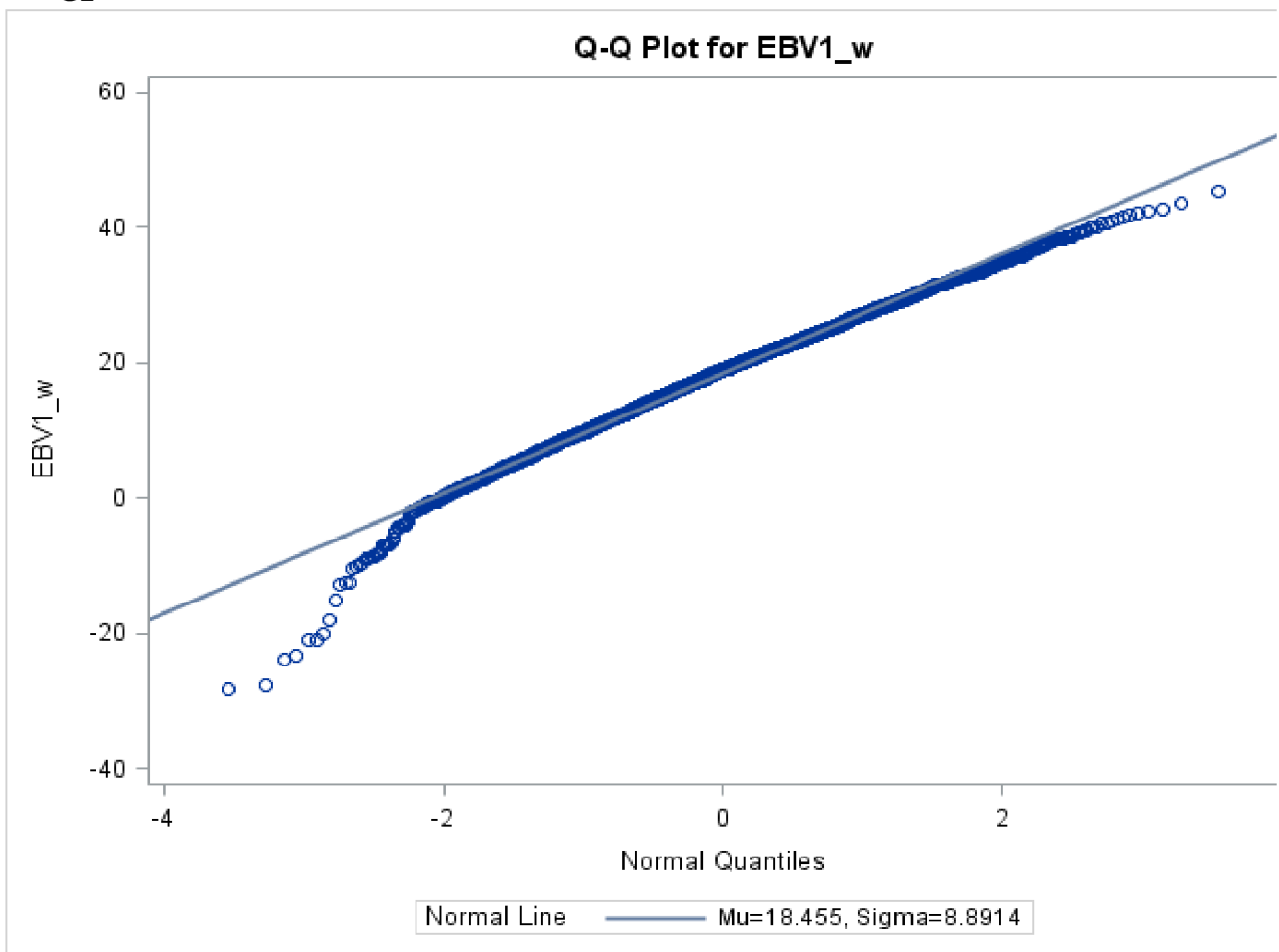


A2_UPG

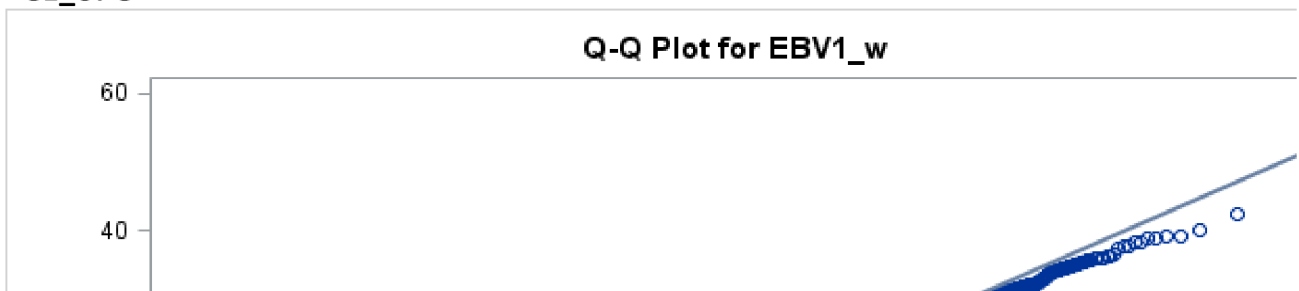


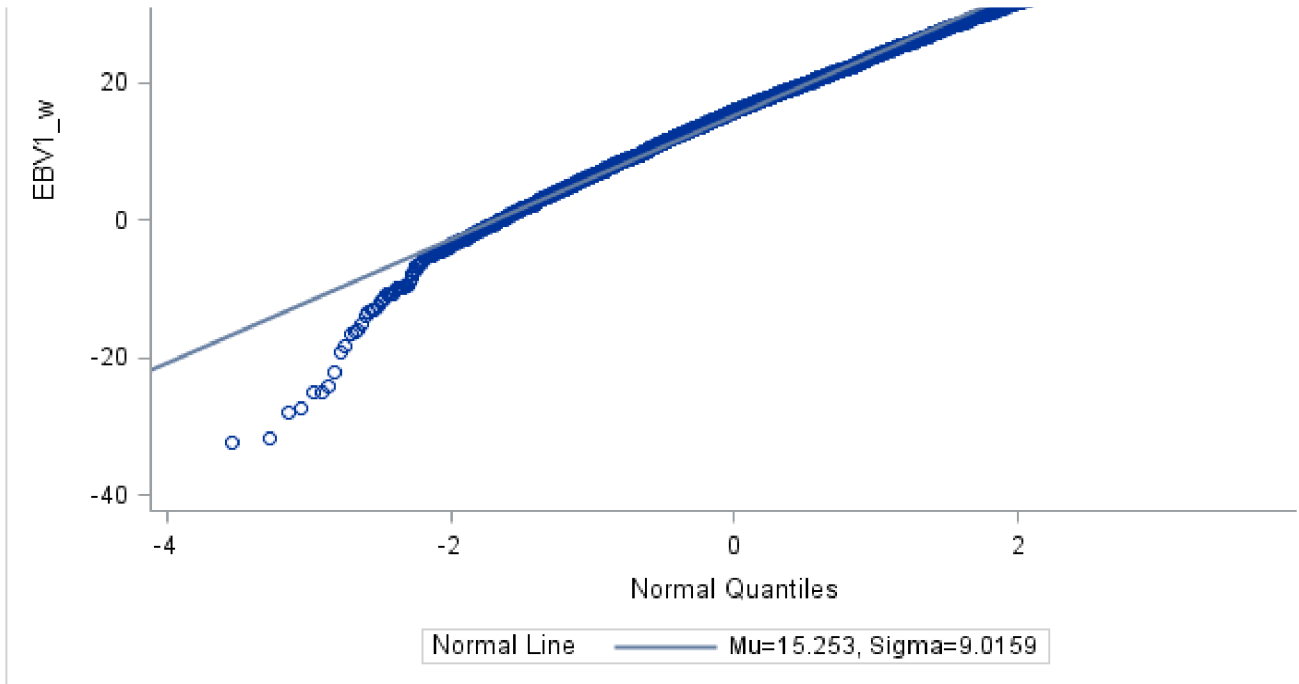


G1

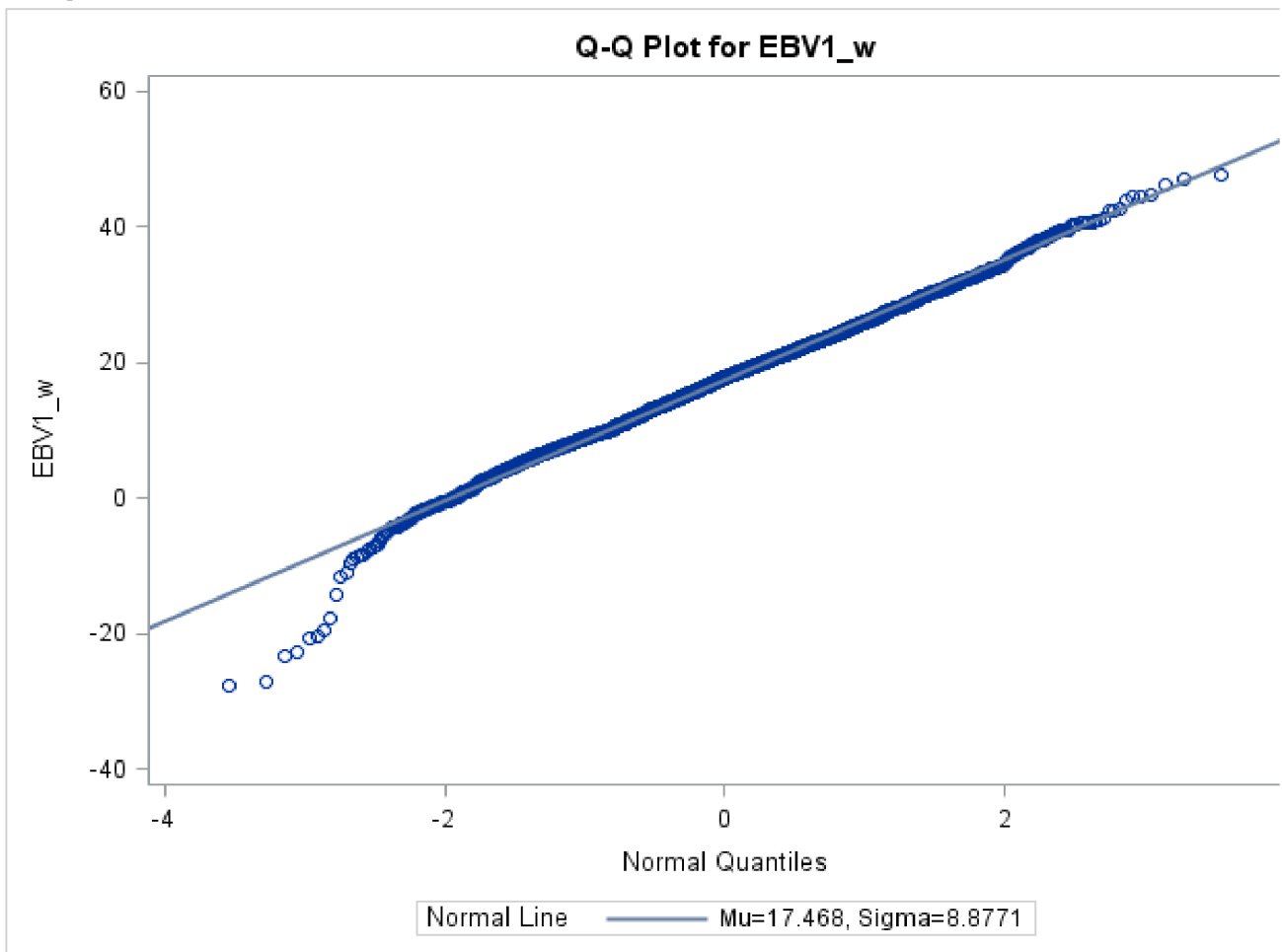


G1_UPG





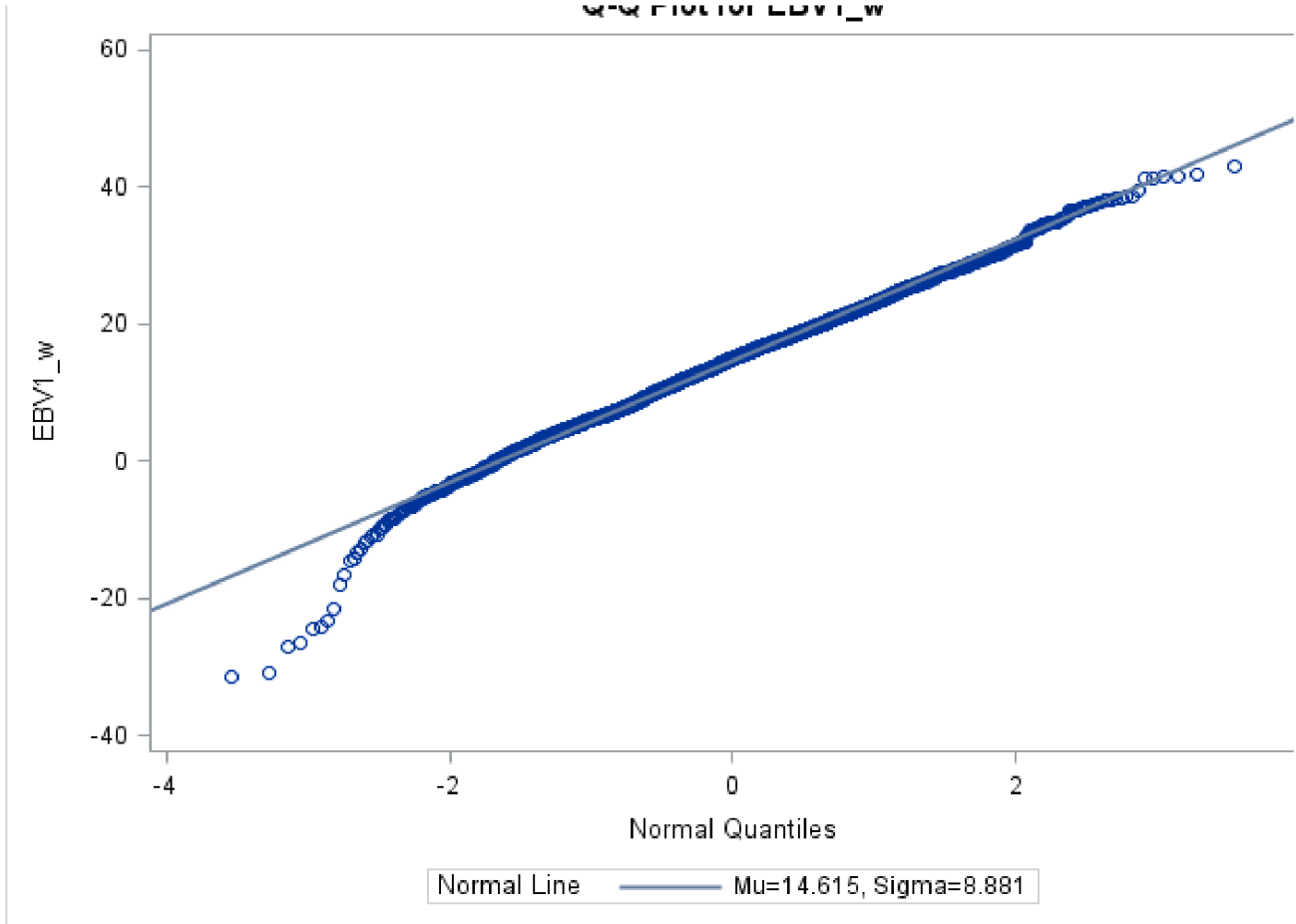
G2



G2_UPG

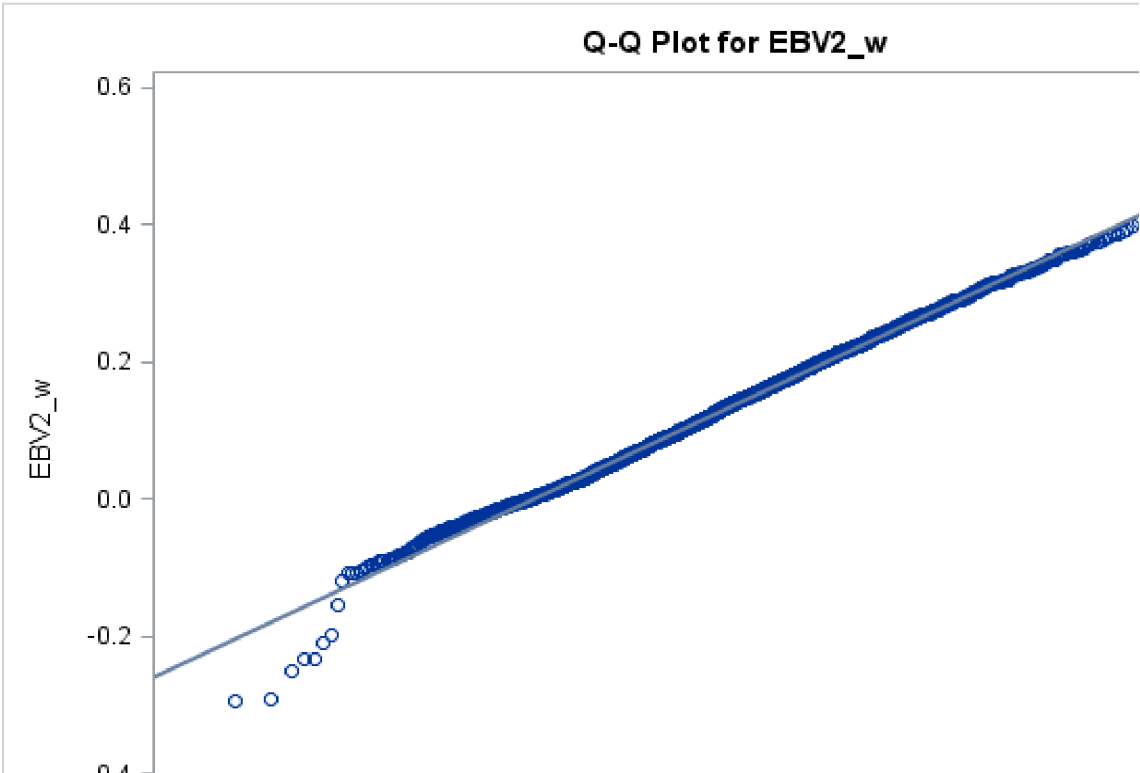
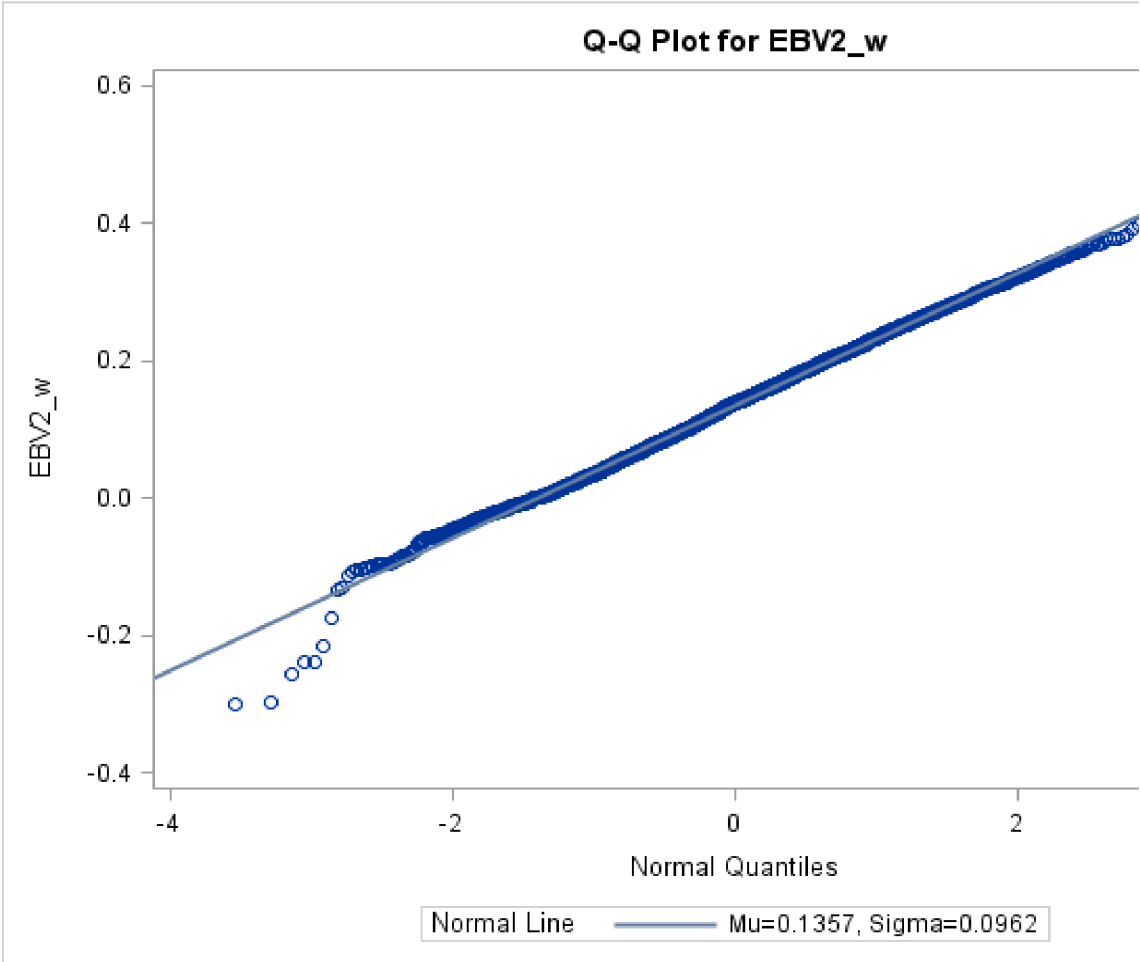
Q-Q Plot for EBV1_w

Q-Q Plot of EBV1_w

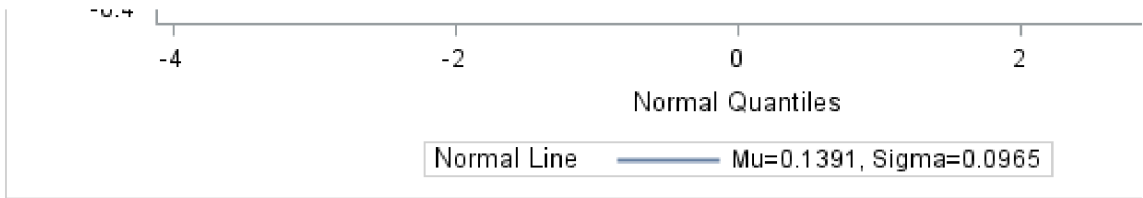


ČESKÁ LANDRASE: validace BLUP a ssGBLUP animal modelů

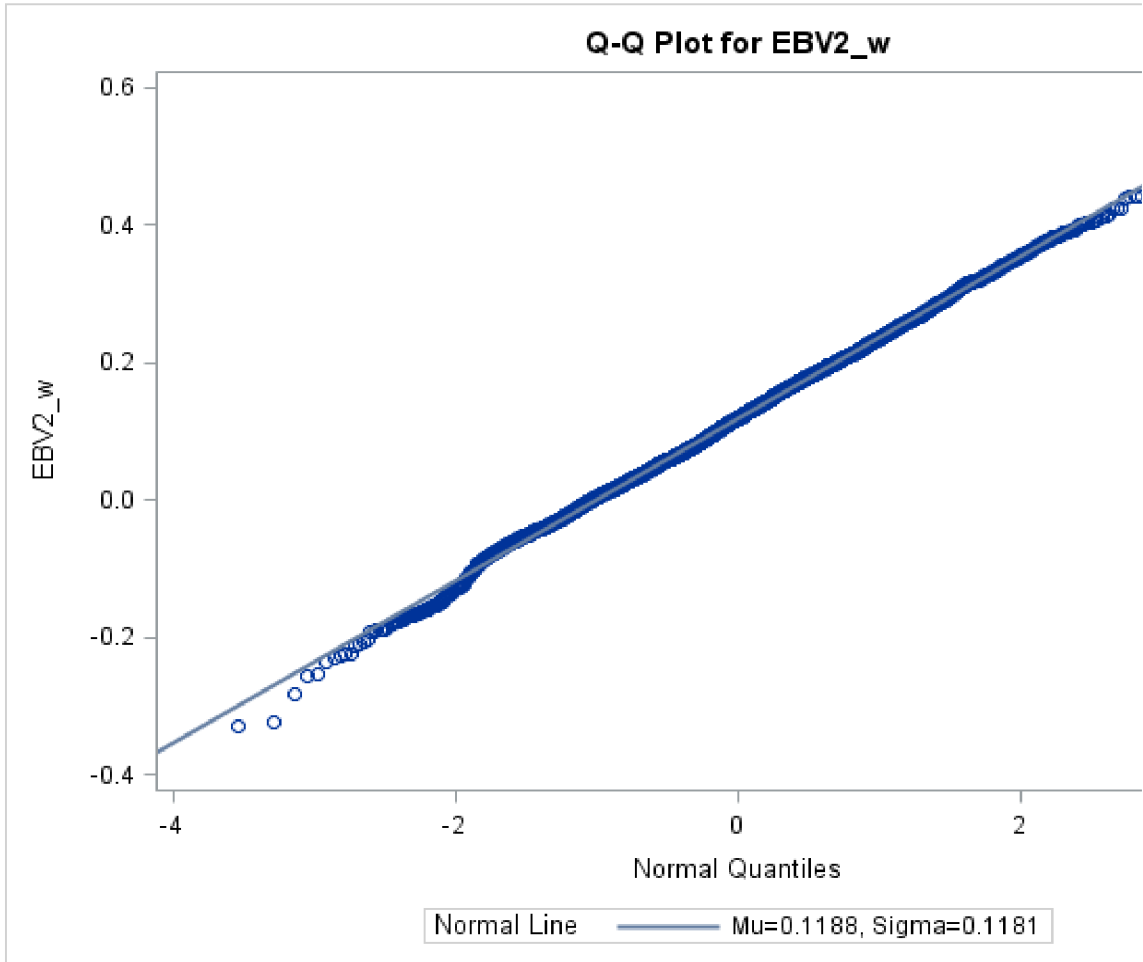
1 - b _{w,p}		ρ	ρ ⁻¹	acc_LR		PrA	
0.42		0.47	2.13		0.30		0.14
0.56	0.48	0.42	2.41	2.21	0.28	0.30	0.05
0.46		0.48	2.09		0.32		0.07
0.28		0.55	1.81		0.32		0.17
0.53	0.38	0.45	2.24	1.93	0.29	0.32	0.05
0.32		0.58	1.73		0.36		0.09
0.42		0.46	2.19		0.28		0.13
0.45	0.47	0.51	1.96	2.17	0.33	0.30	0.08
0.54		0.42	2.36		0.29		0.05
0.32		0.49	2.05		0.28		0.14
0.43	0.40	0.54	1.86	2.01	0.35	0.31	0.08
0.47		0.47	2.13		0.31		0.06
0.26		0.54	1.84		0.30		0.17
0.41	0.32	0.51	1.95	1.85	0.29	0.30	-0.01
0.28		0.57	1.77		0.32		0.00
0.17		0.59	1.69		0.31		0.17
0.39	0.26	0.54	1.86	1.71	0.30	0.32	0.07
0.22		0.63	1.59		0.35		0.09
0.32		0.52	1.92		0.29		0.14
0.37	0.36	0.57	1.77	1.88	0.34	0.31	0.09
0.40		0.51	1.95		0.31		0.06
0.21		0.54	1.84		0.28		0.15
0.34	0.30	0.60	1.68	1.77	0.35	0.32	0.09
0.34		0.56	1.80		0.32		0.07
0.18		0.59	1.71		0.31		0.17
0.41	0.27	0.52	1.92	1.75	0.30	0.32	0.06
0.23		0.62	1.61		0.35		0.09
0.19		0.58	1.73		0.31		0.17
0.44	0.29	0.50	1.98	1.78	0.29	0.32	0.06
0.25		0.61	1.64		0.35		0.09
0.21		0.57	1.76		0.31		0.17
0.46	0.31	0.49	2.05	1.82	0.29	0.32	0.06
0.27		0.60	1.66		0.35		0.09
0.18		0.59	1.69		0.32		0.17
0.39	0.27	0.55	1.83	1.70	0.31	0.33	0.07
0.23		0.63	1.58		0.36		0.09
0.18		0.59	1.69		0.31		0.17
0.39	0.27	0.55	1.83	1.70	0.31	0.33	0.07
0.23		0.63	1.58		0.36		0.09
0.17		0.60	1.68		0.32		0.17
0.39	0.26	0.54	1.85	1.70	0.30	0.33	0.07
0.22		0.63	1.58		0.36		0.09
0.17		0.59	1.69		0.31		0.17
0.39	0.26	0.54	1.86	1.71	0.30	0.32	0.07
0.22		0.63	1.59		0.35		0.09



4

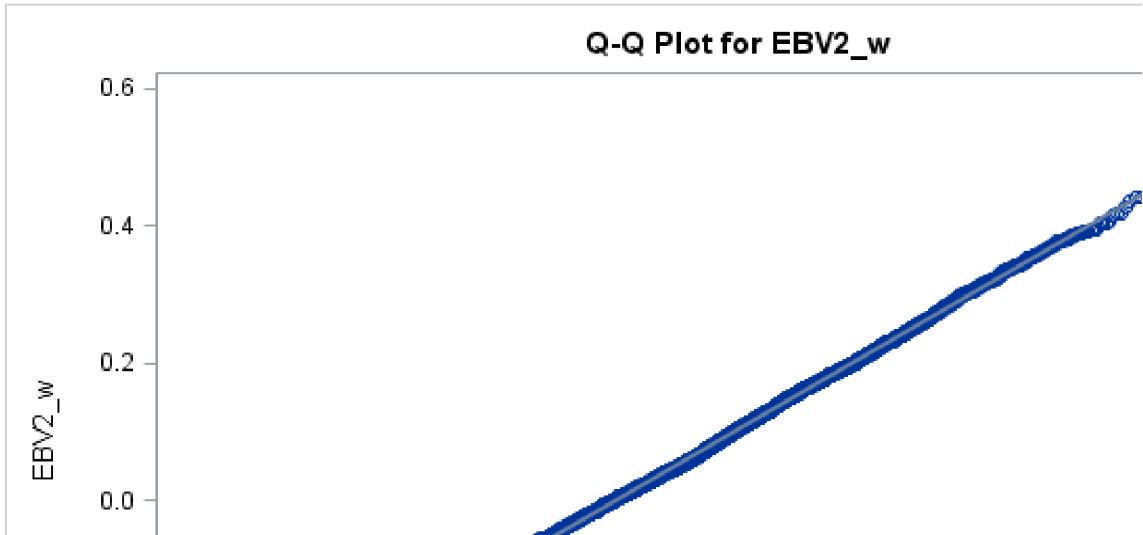


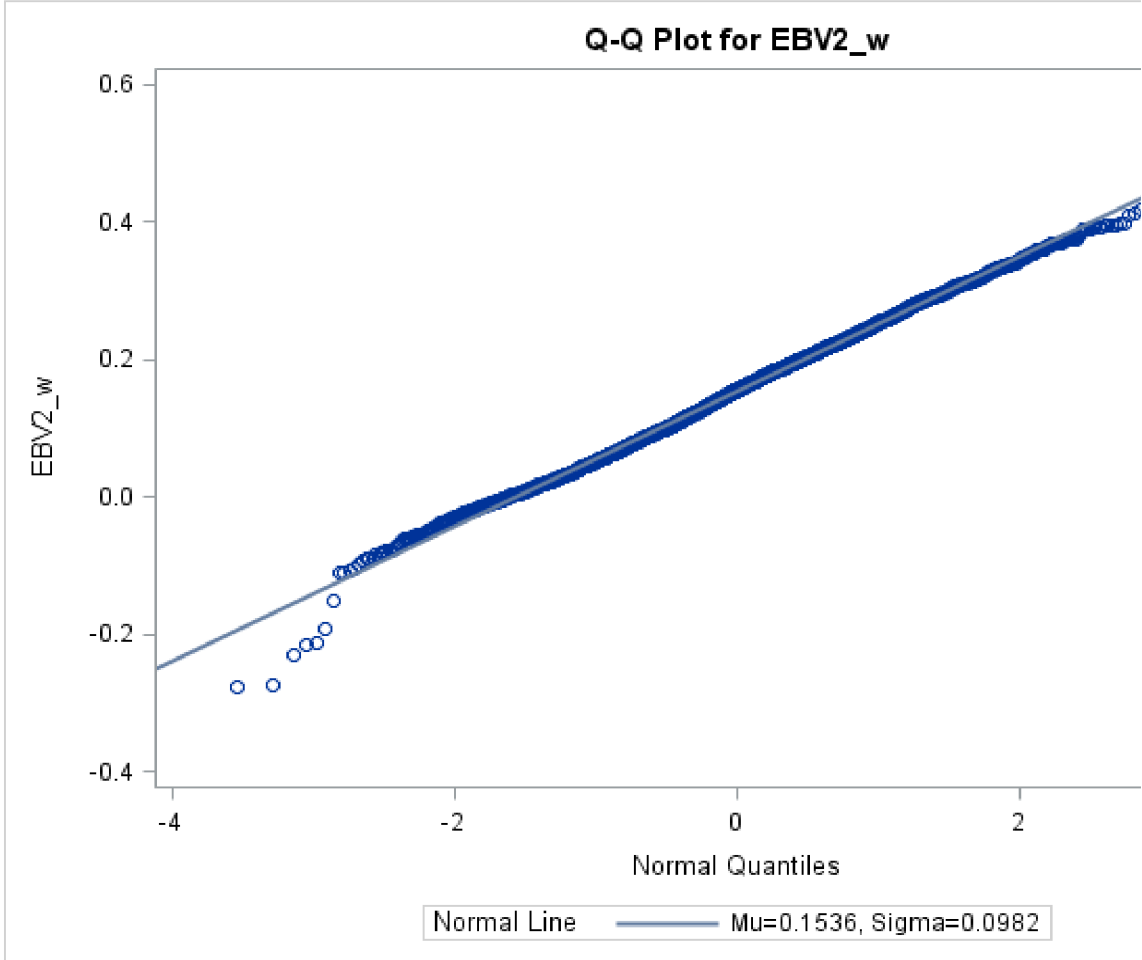
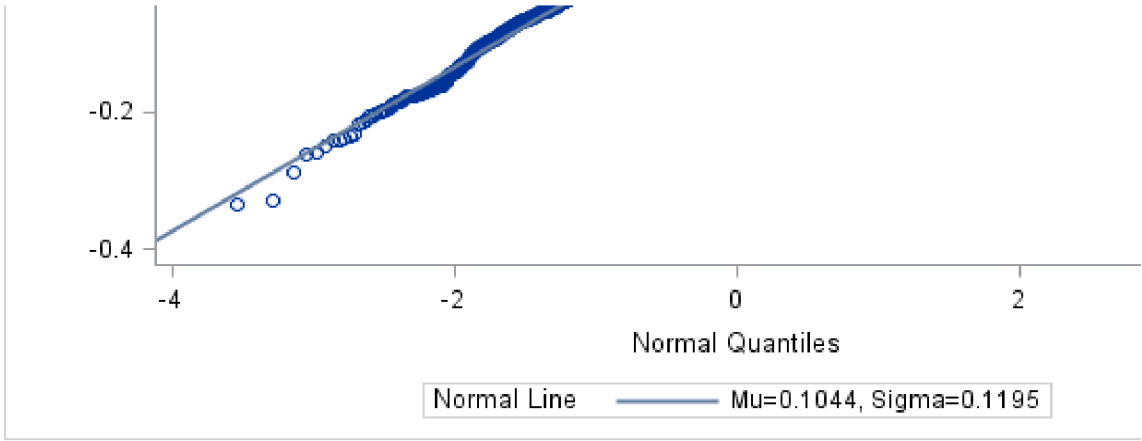
4

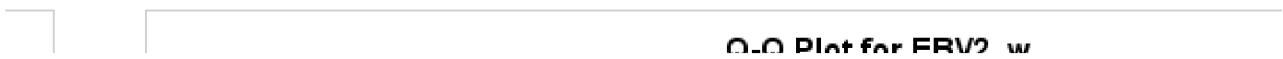
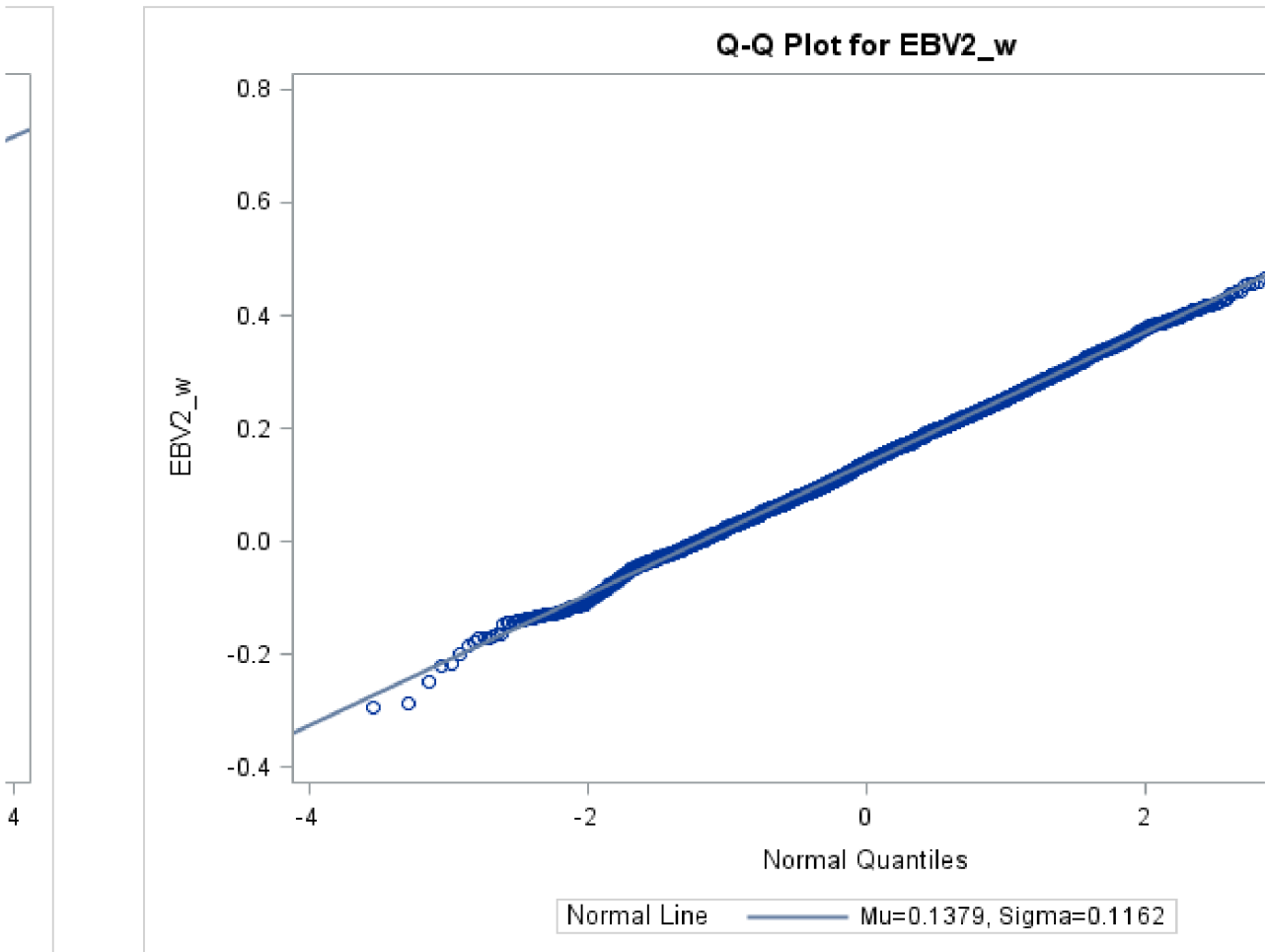
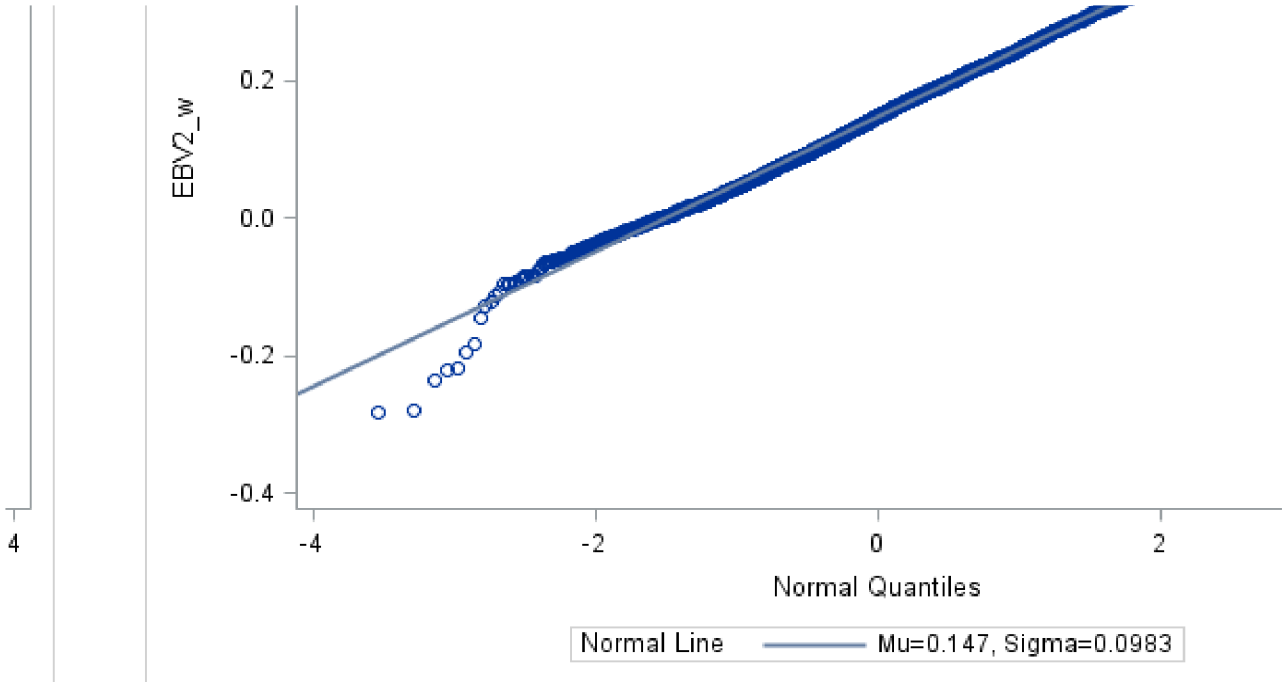


4

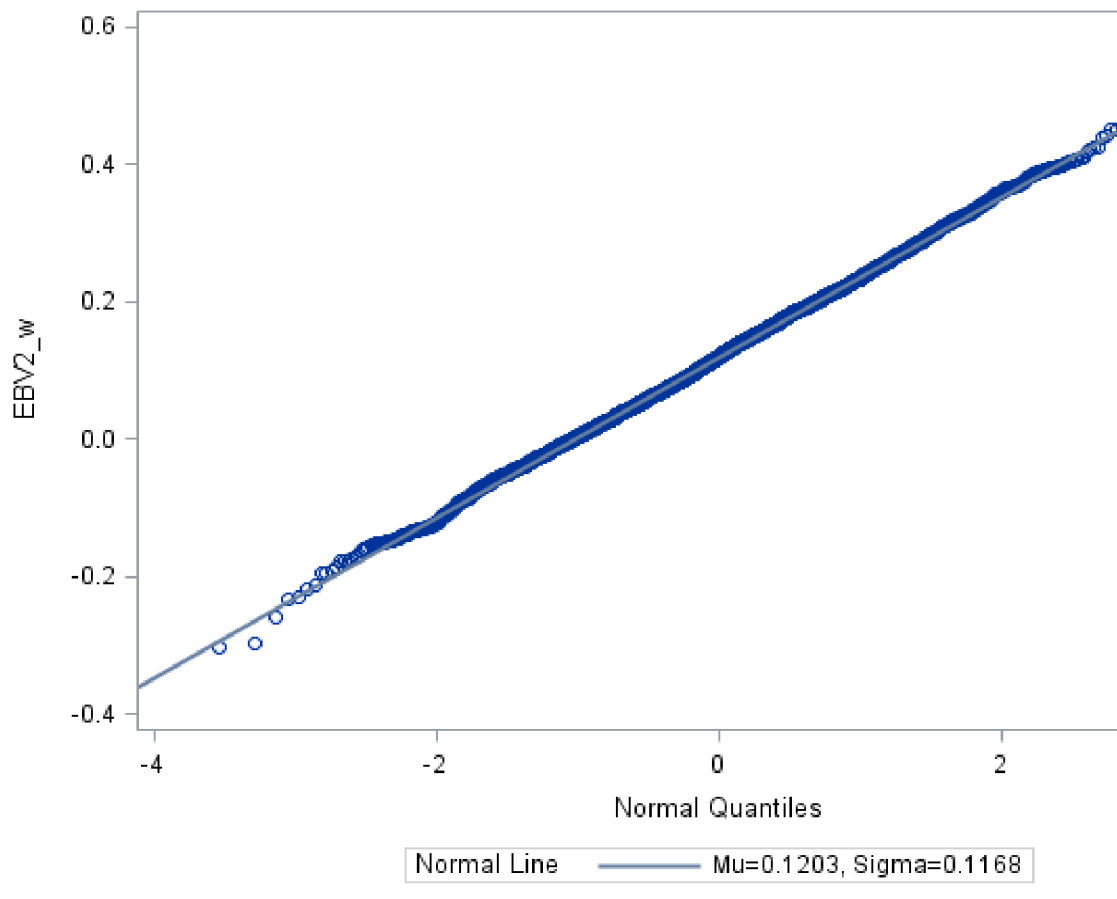
4





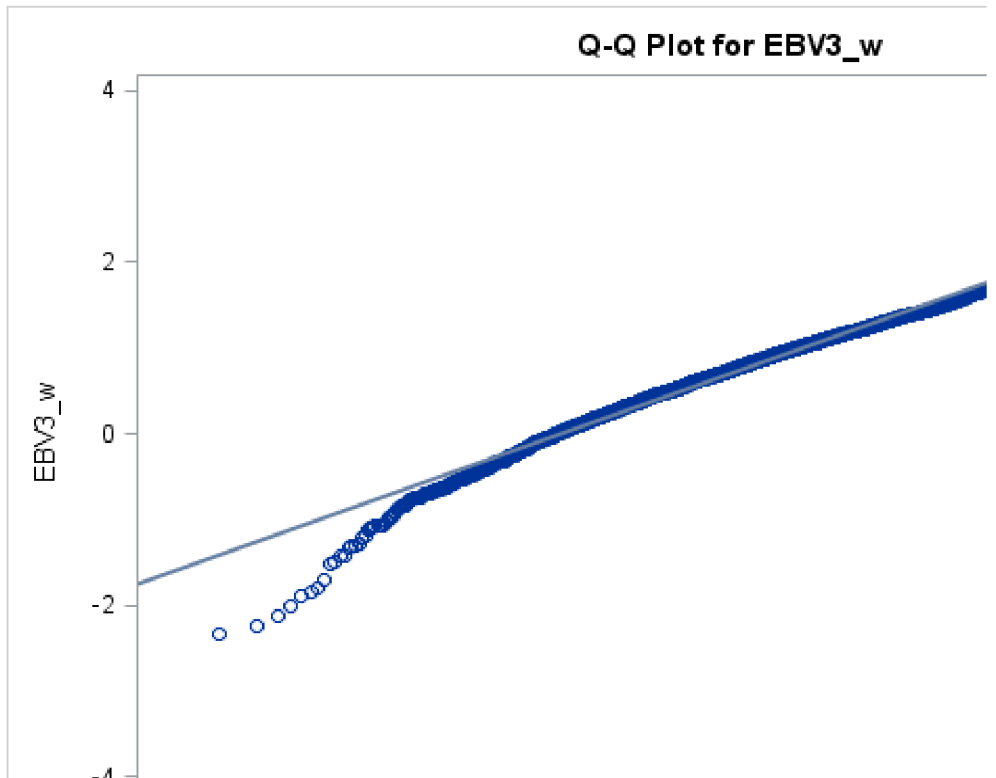
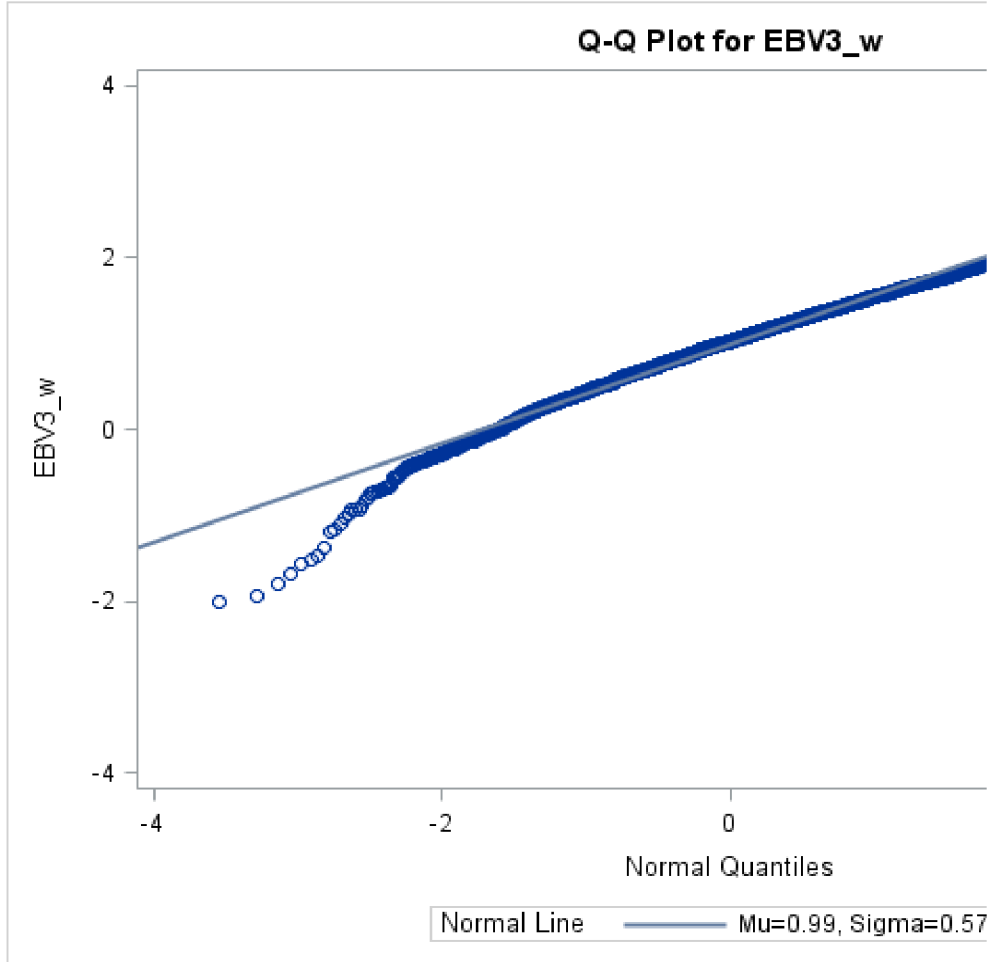


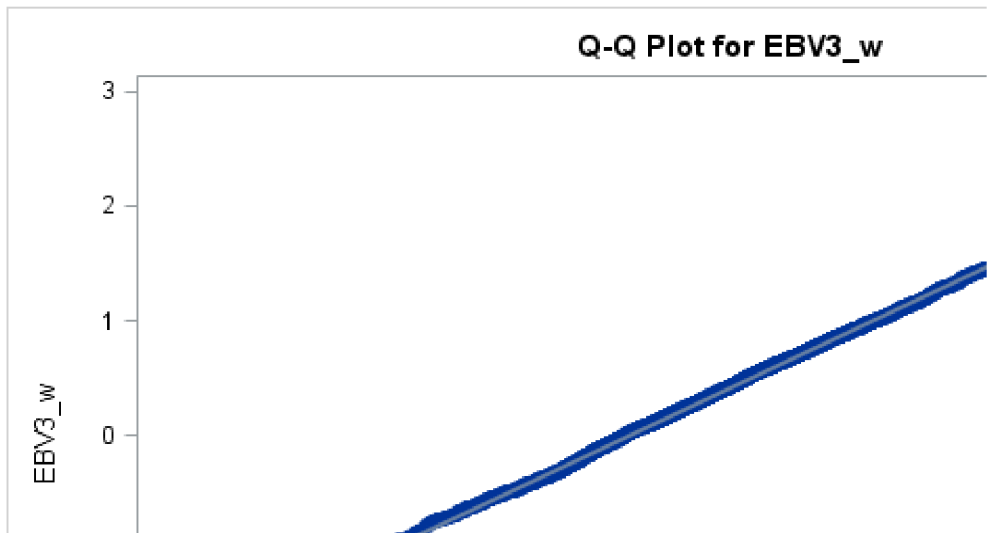
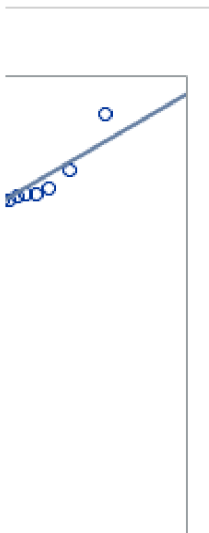
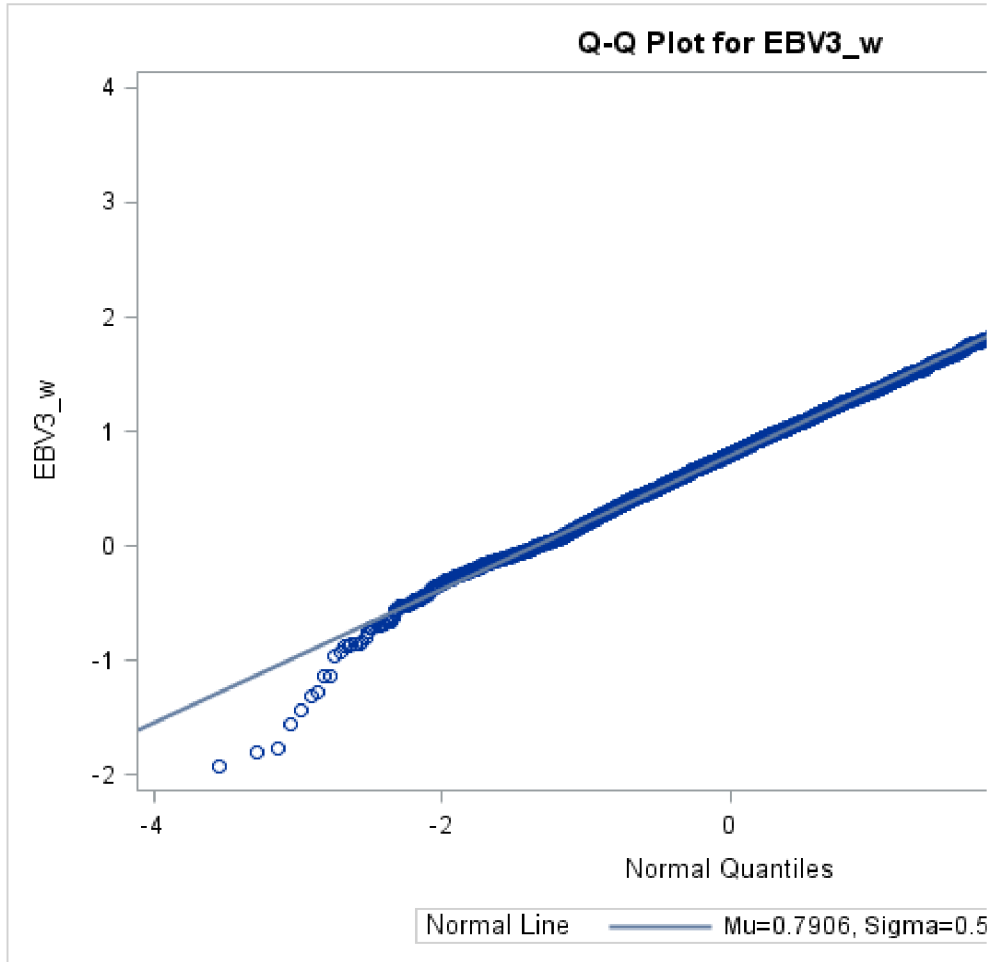
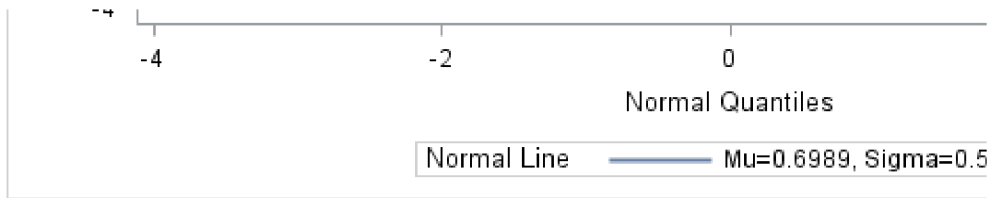
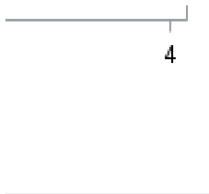
Q-Q Plot of EBV2_w

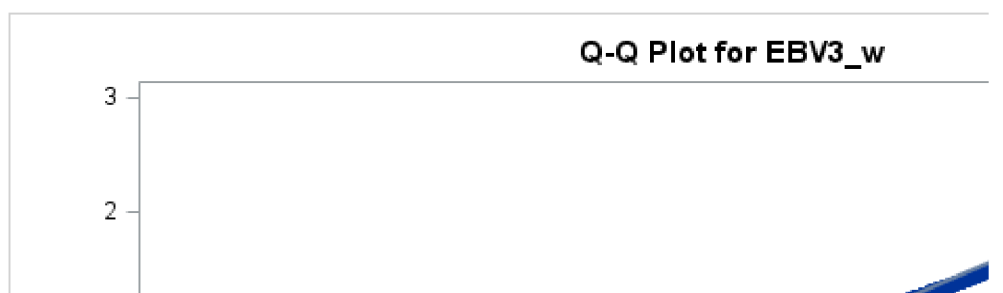
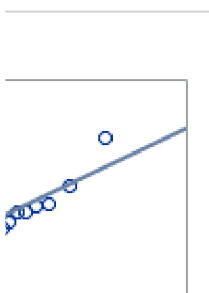
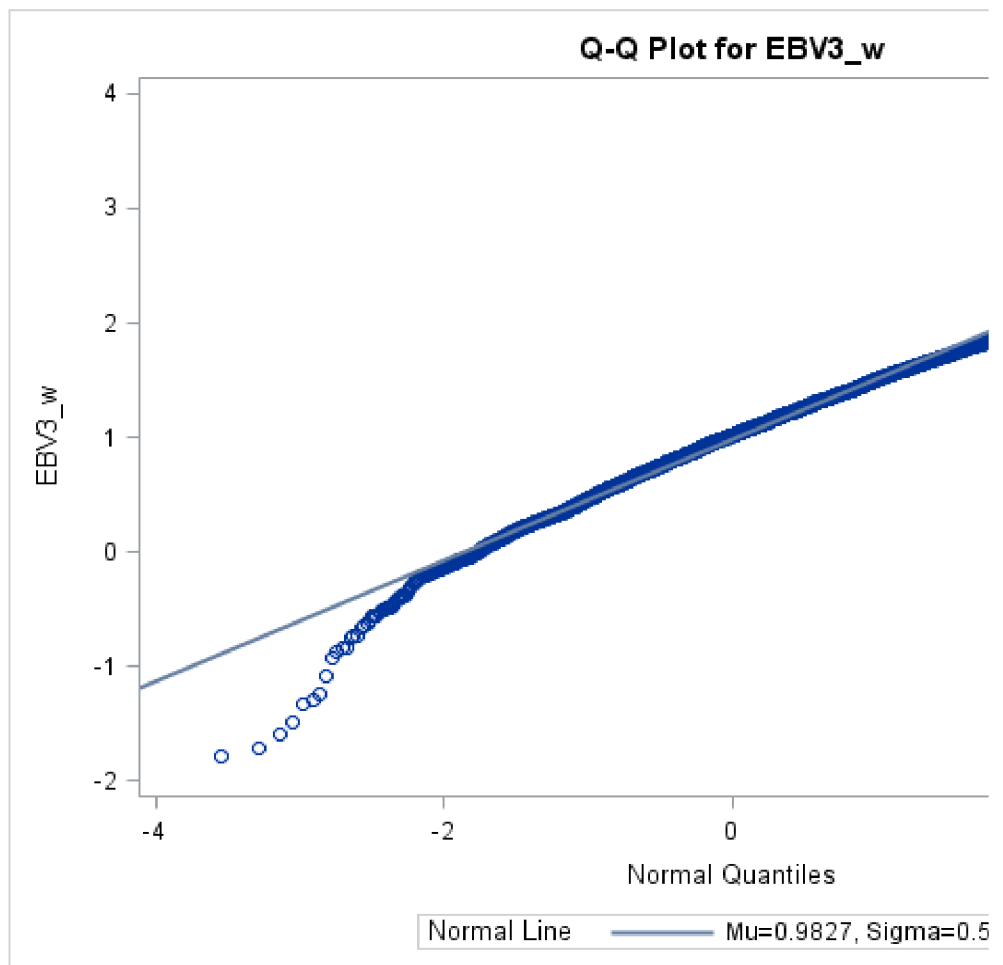
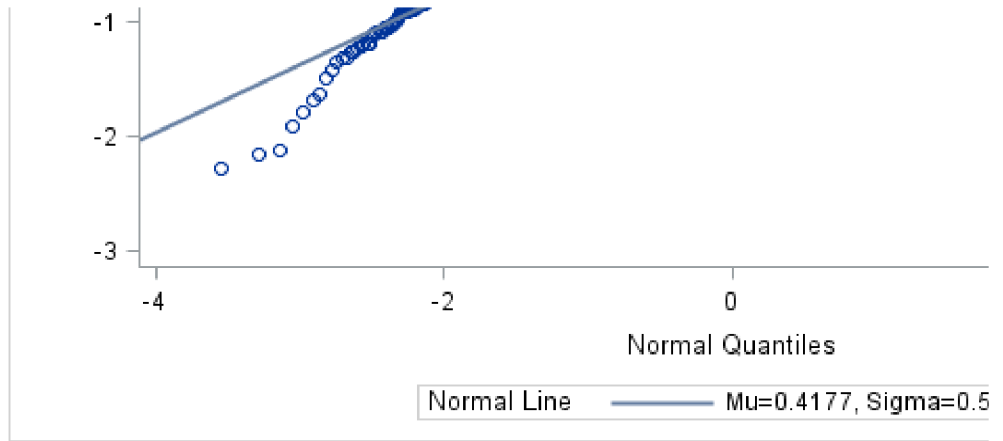
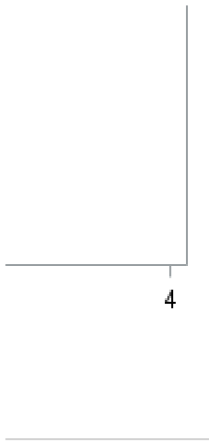


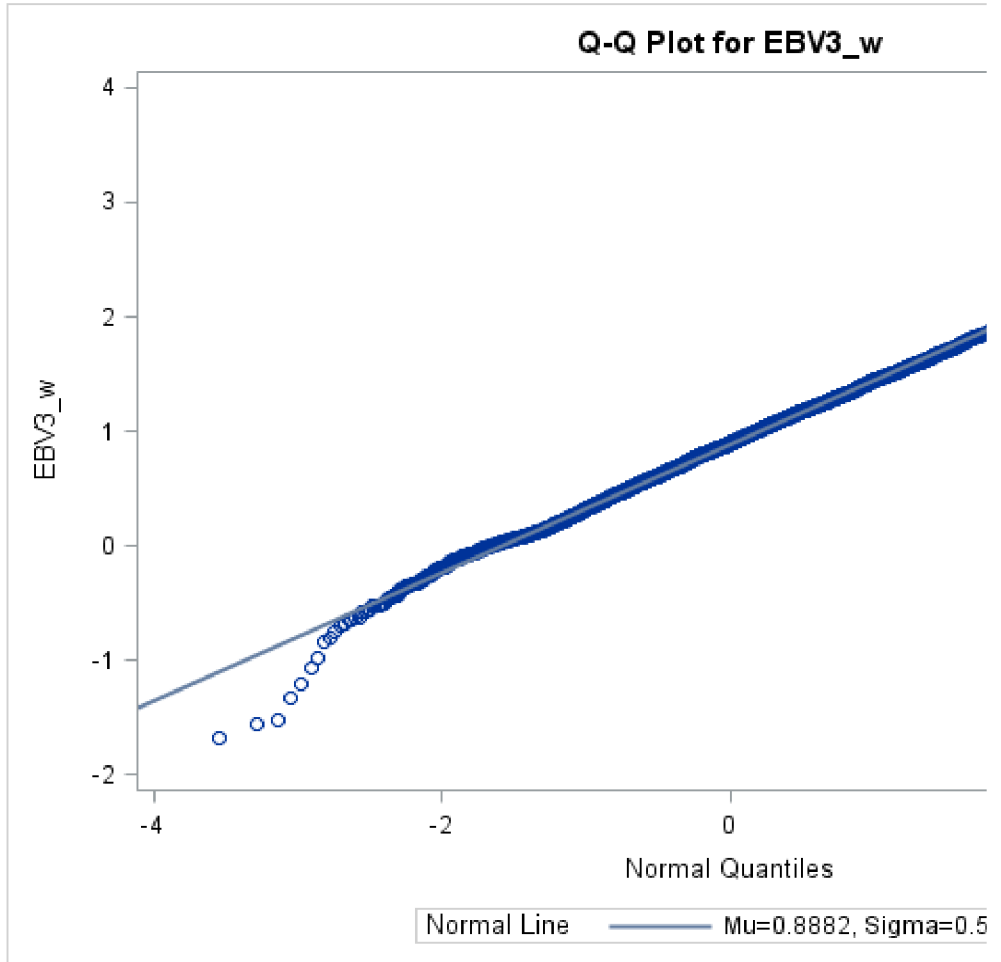
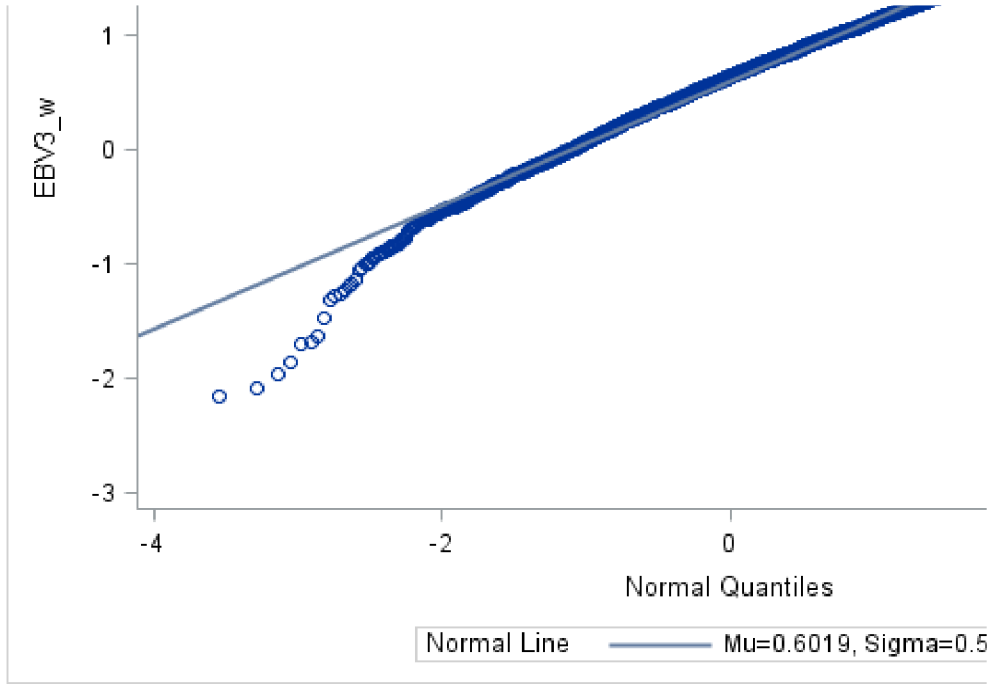
individuální spolehlivosti: celá kohorta vs. genotypovaná kohorta

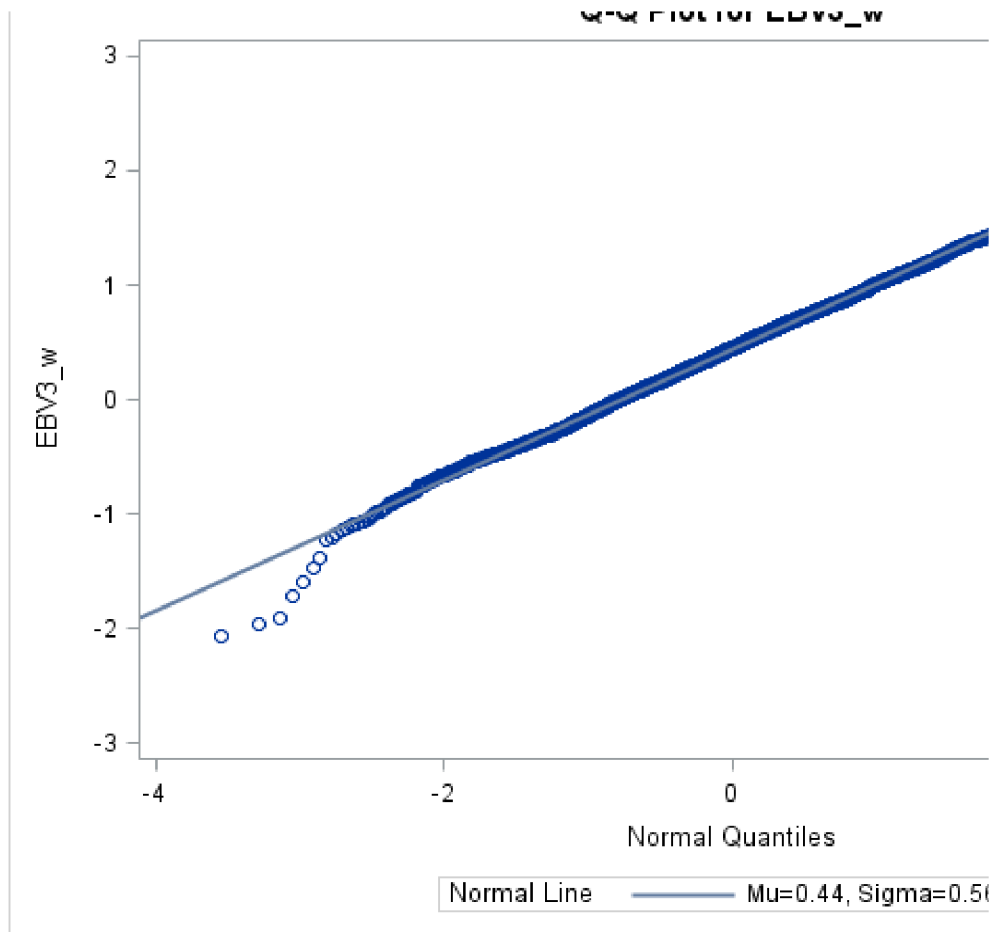
data w (n = 3151)		data p (n = 3151)		data w (n = 35)		data p (n = 35)	
0.43		0.22		0.57		0.25	
0.35	0.39	0.17	0.20	0.47	0.52	0.20	0.23
0.41		0.21		0.54		0.24	
0.32		0.10		0.46		0.13	
0.23	0.28	0.04	0.07	0.35	0.42	0.07	0.11
0.30		0.08		0.43		0.11	
0.43		0.22		0.57		0.25	
0.36	0.40	0.18	0.20	0.49	0.53	0.21	0.23
0.40		0.21		0.53		0.23	
0.33		0.10		0.46		0.13	
0.25	0.29	0.06	0.08	0.38	0.42	0.09	0.11
0.29		0.08		0.43		0.11	
0.41		0.22		0.58		0.32	
0.35	0.38	0.18	0.20	0.51	0.55	0.27	0.30
0.39		0.21		0.56		0.30	
0.31		0.10		0.48		0.20	
0.24	0.28	0.06	0.08	0.40	0.44	0.15	0.18
0.29		0.09		0.45		0.18	
0.42		0.23		0.59		0.32	
0.36	0.39	0.19	0.21	0.52	0.56	0.28	0.30
0.39		0.21		0.56		0.30	
0.32		0.11		0.49		0.21	
0.25	0.29	0.07	0.09	0.42	0.45	0.16	0.18
0.29		0.09		0.45		0.18	
0.31		0.10		0.47		0.18	
0.24	0.28	0.05	0.08	0.39	0.43	0.13	0.16
0.28		0.08		0.44		0.16	
0.30		0.09		0.46		0.16	
0.24	0.27	0.05	0.07	0.38	0.42	0.11	0.14
0.28		0.08		0.43		0.14	
0.30		0.09		0.45		0.14	
0.23	0.27	0.05	0.07	0.37	0.42	0.10	0.12
0.28		0.08		0.43		0.13	
0.35		0.14		0.51		0.22	
0.28	0.32	0.10	0.12	0.43	0.48	0.17	0.20
0.33		0.13		0.49		0.20	
0.35		0.14		0.51		0.22	
0.28	0.32	0.10	0.12	0.43	0.48	0.17	0.20
0.33		0.13		0.49		0.21	
0.31		0.10		0.47		0.17	
0.24	0.28	0.05	0.08	0.38	0.43	0.12	0.15
0.28		0.08		0.44		0.15	
0.31		0.10		0.48		0.19	
0.24	0.28	0.06	0.08	0.39	0.44	0.14	0.17
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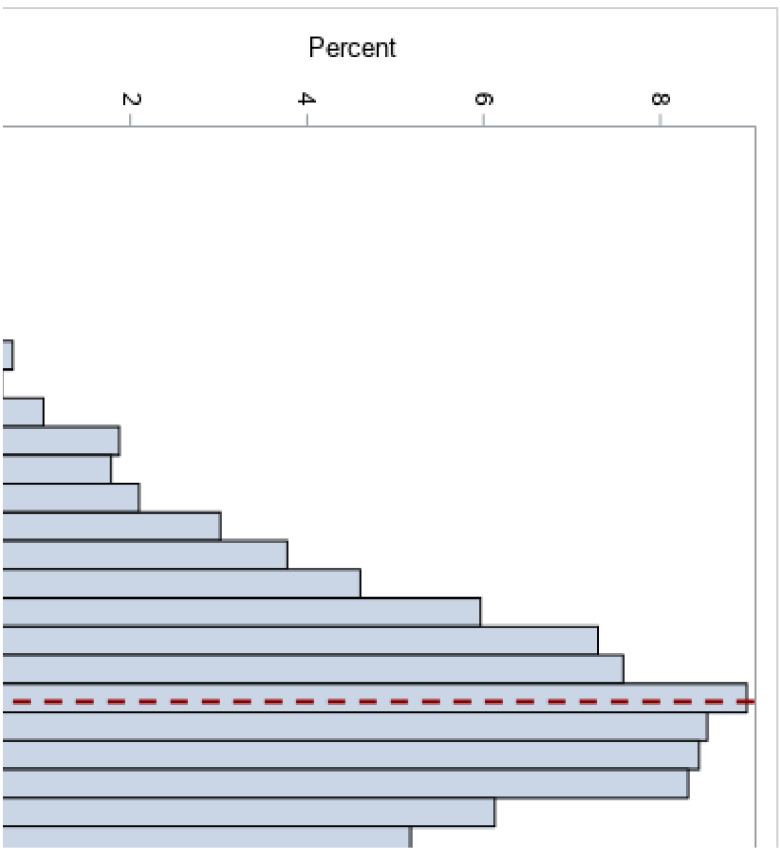
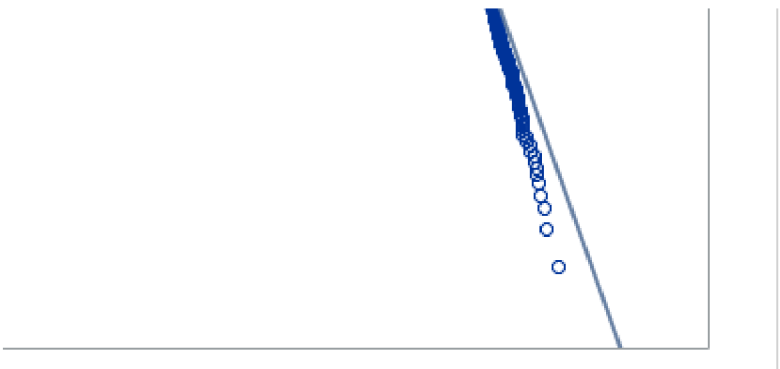
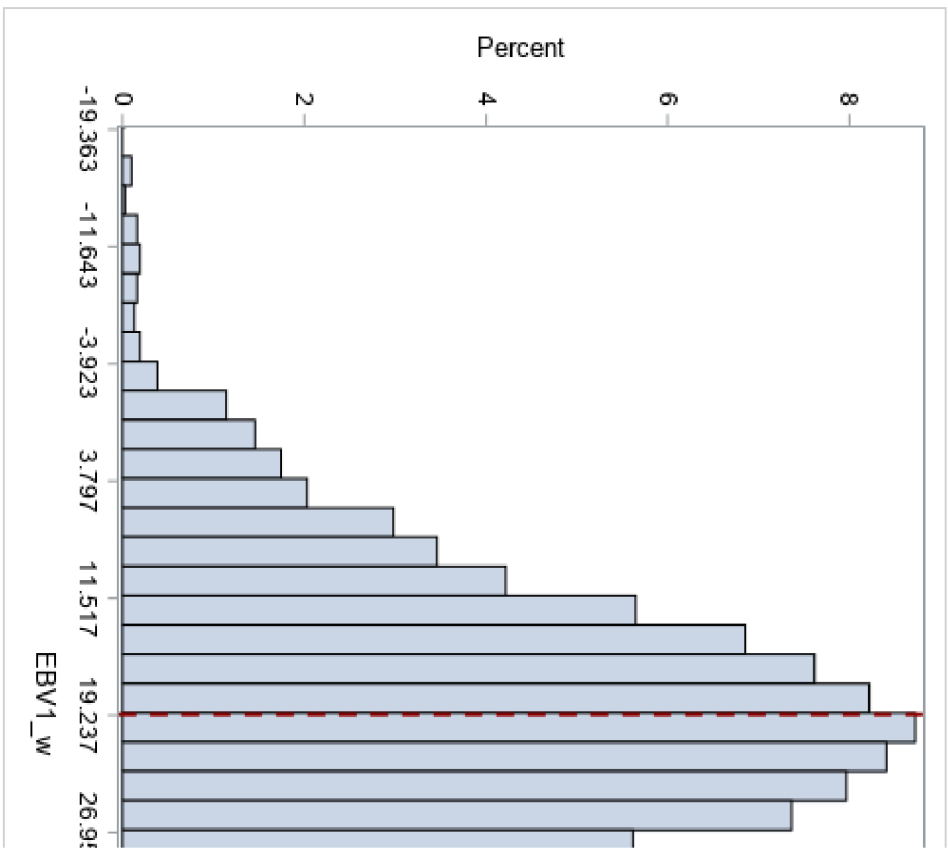
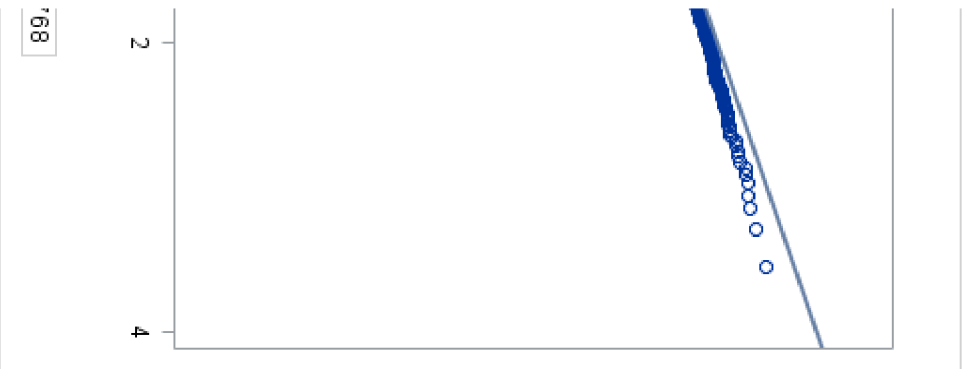






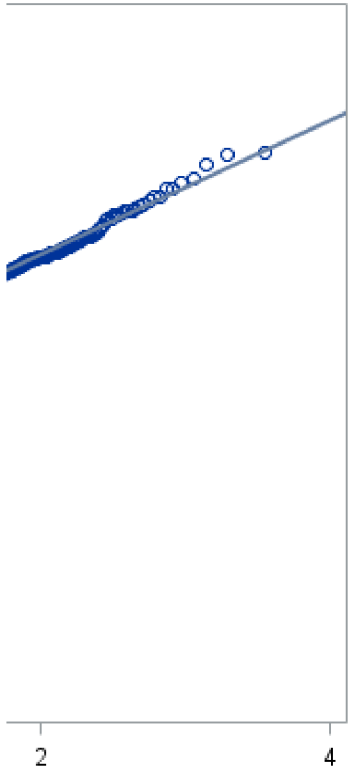
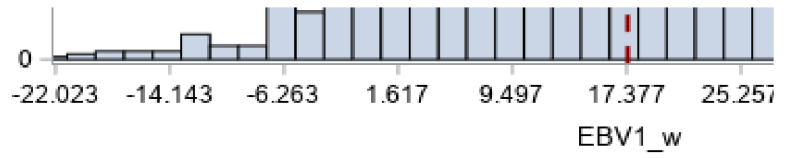




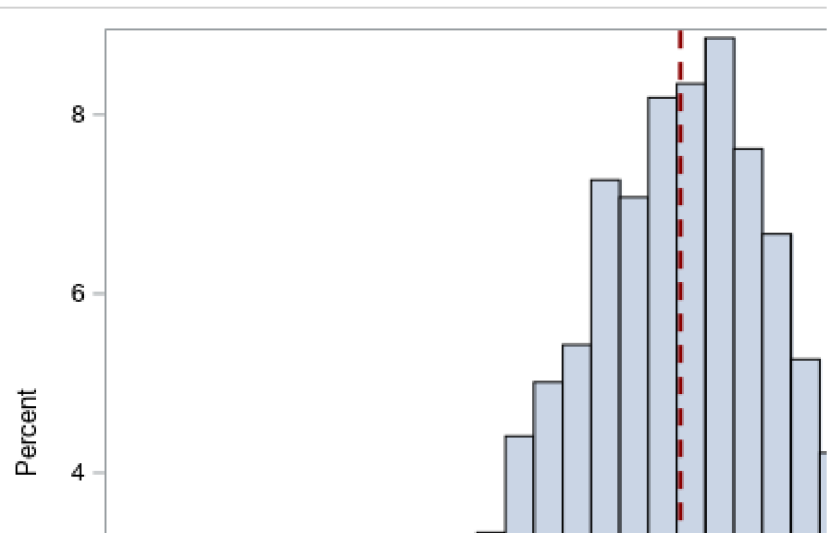
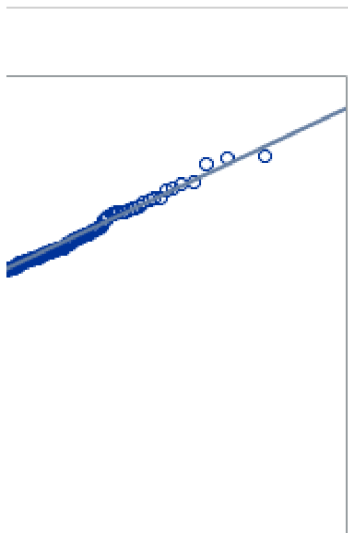
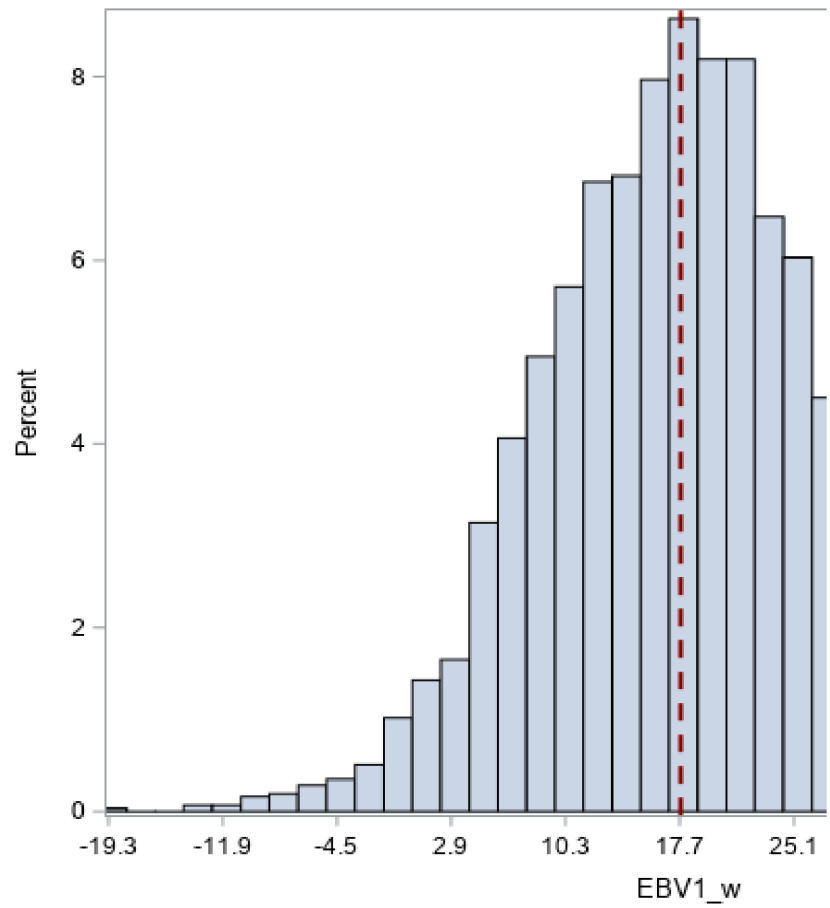


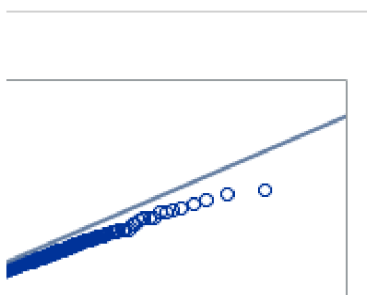
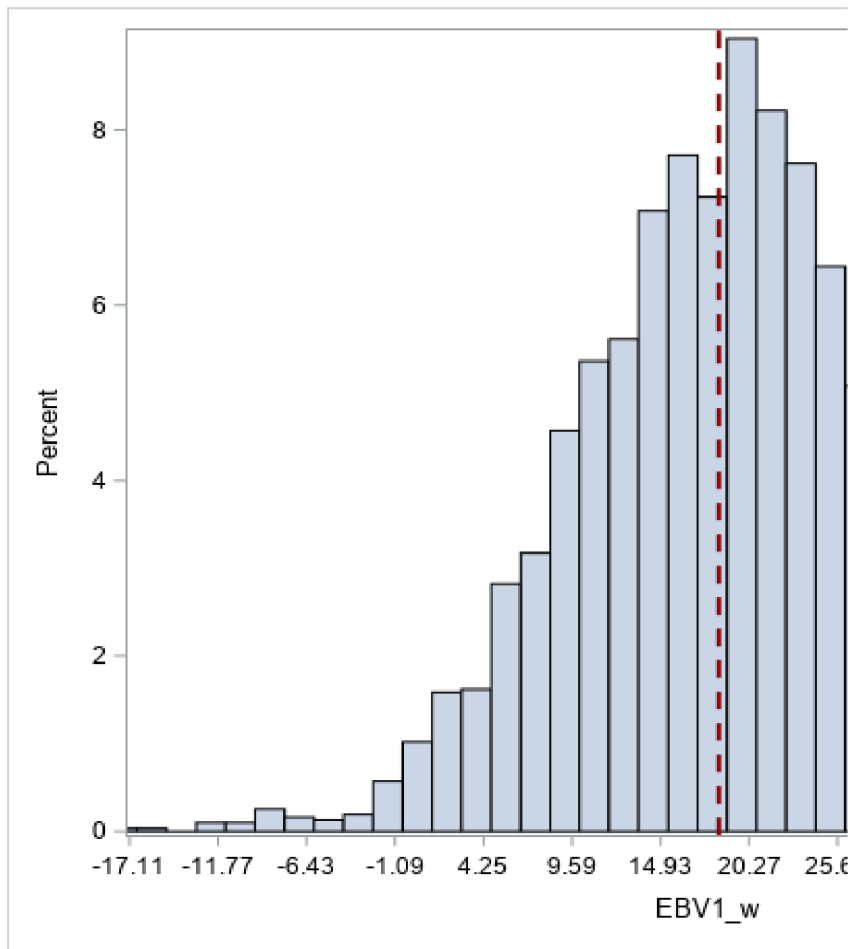
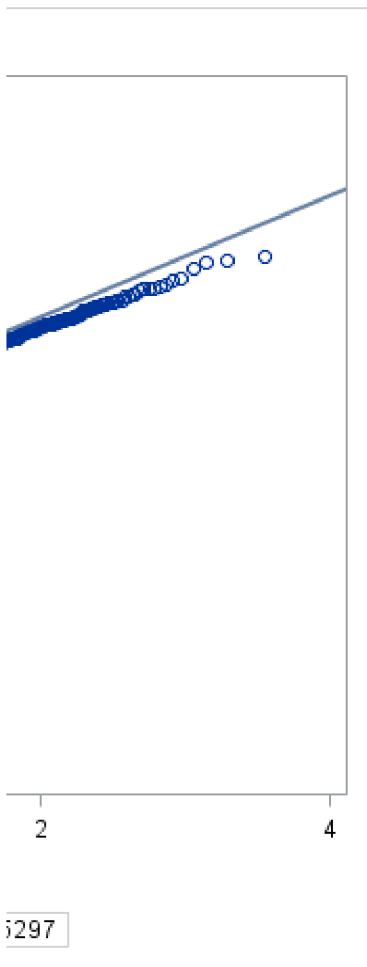
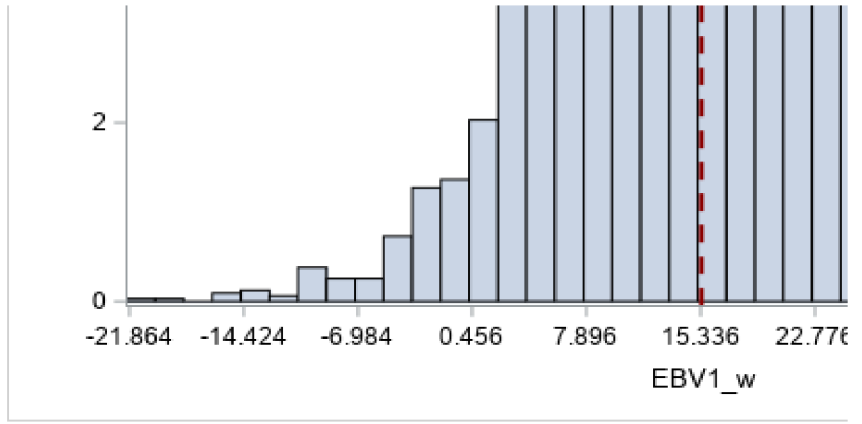
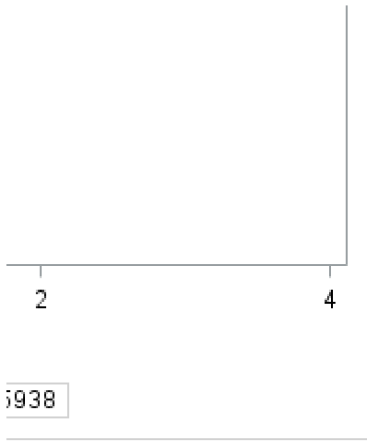


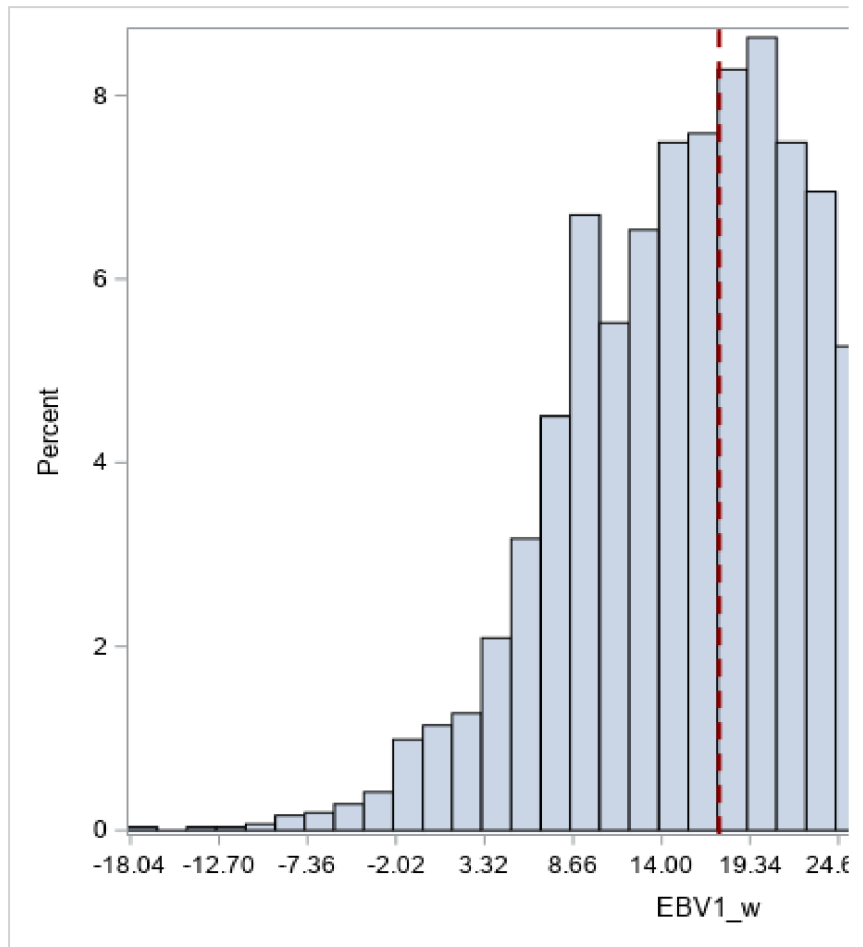
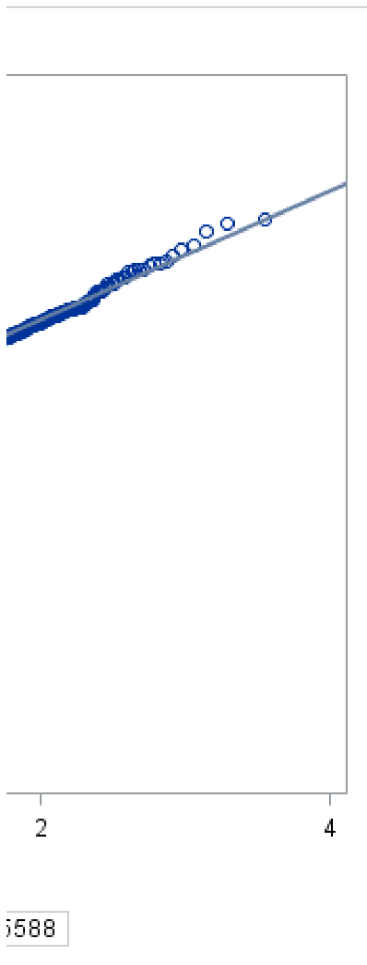
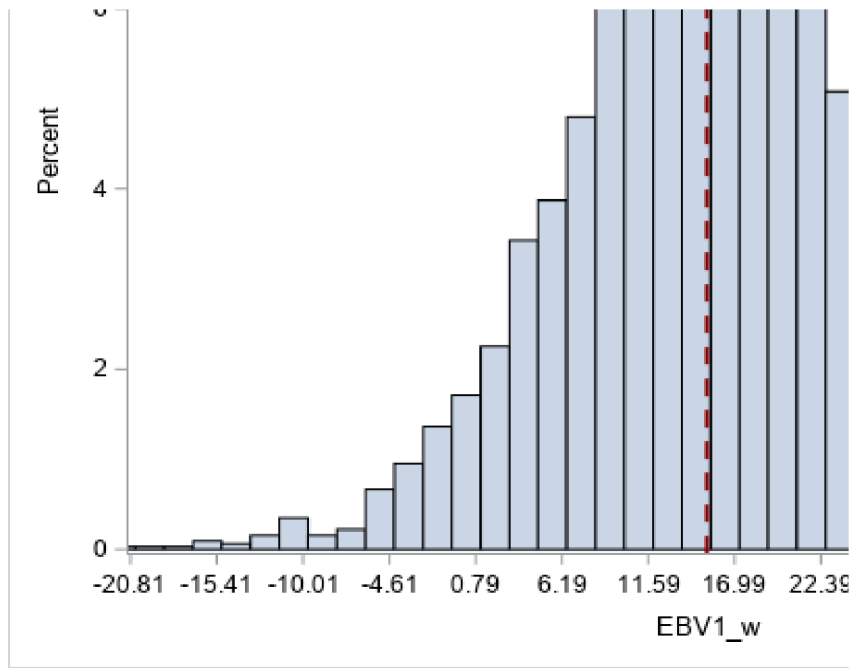
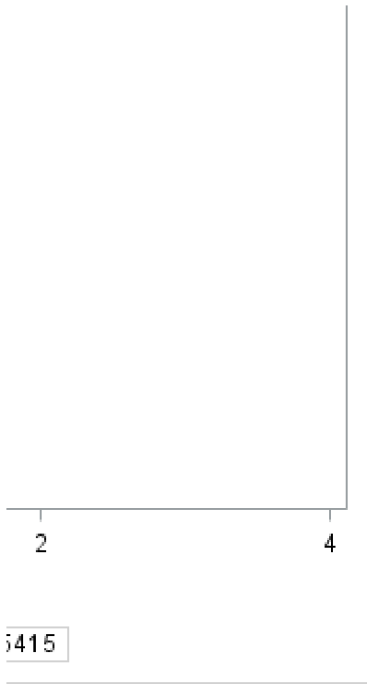
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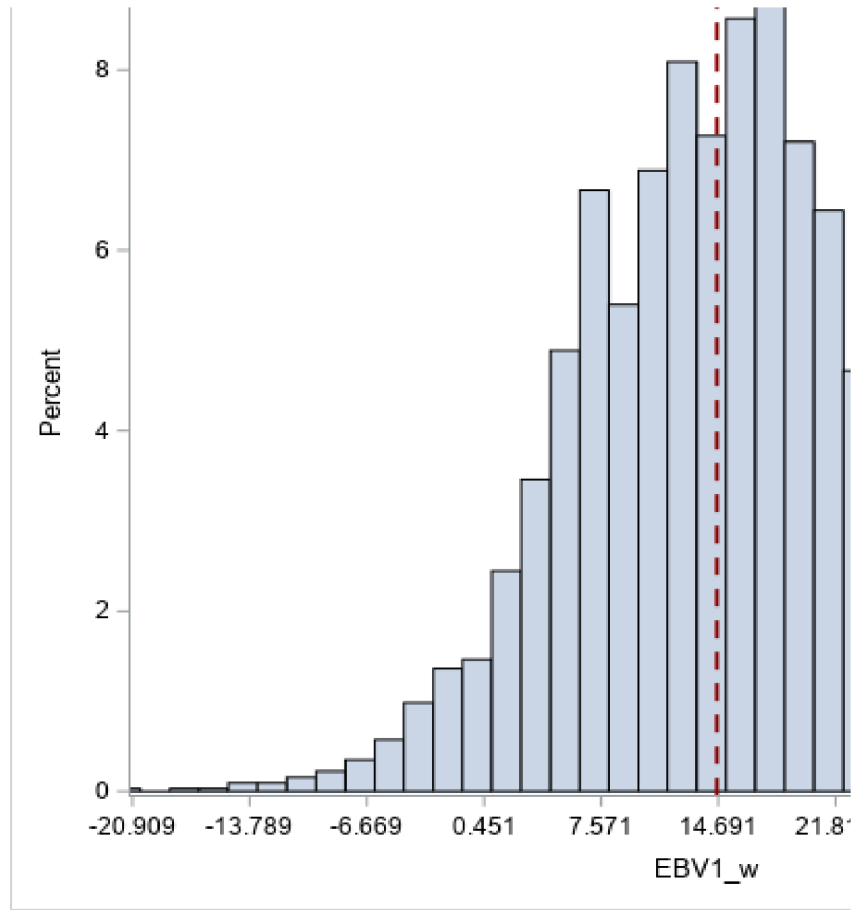


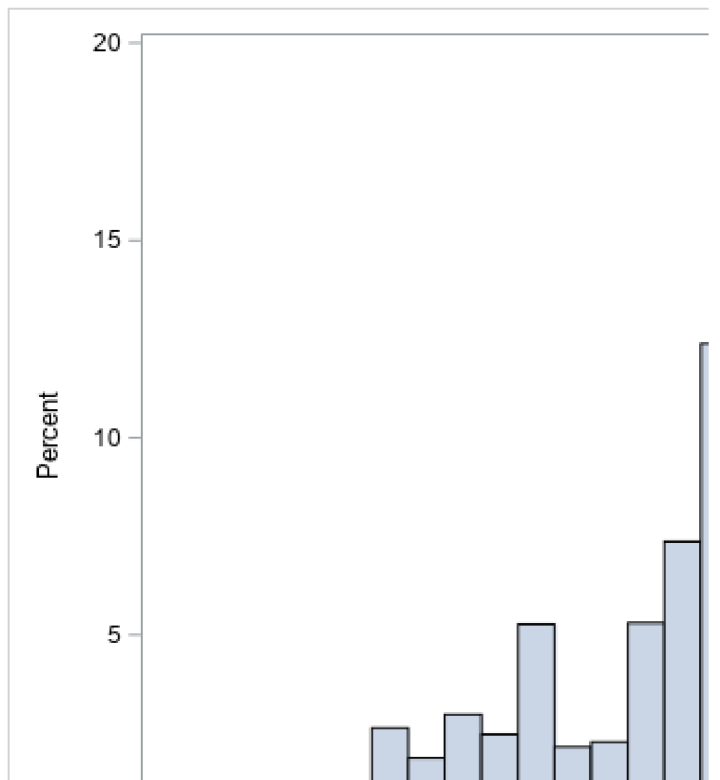
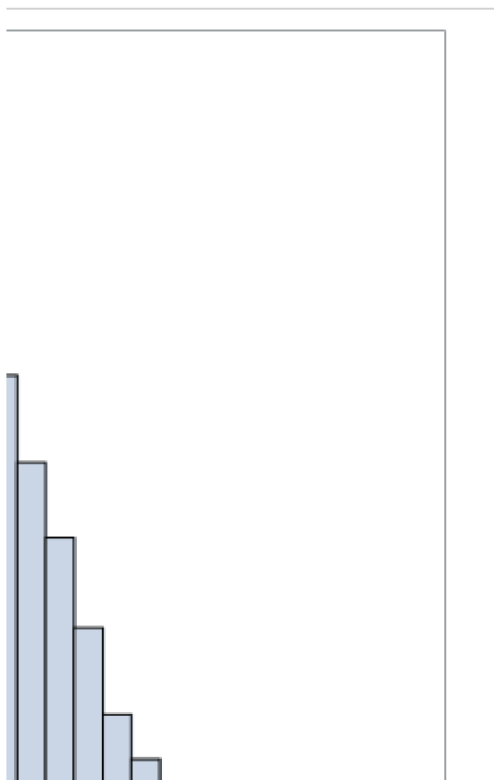
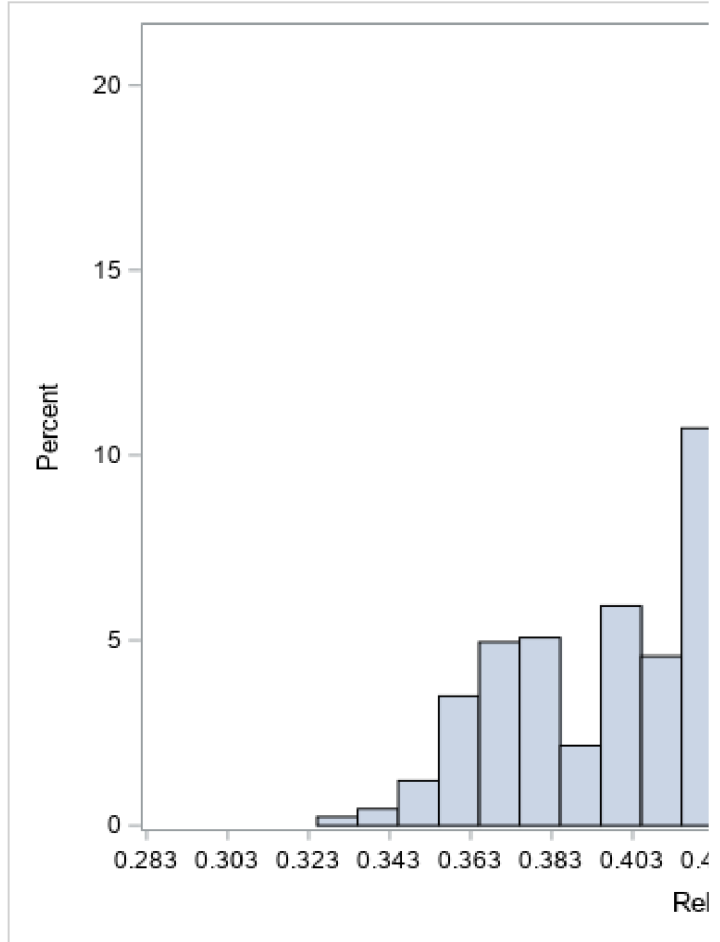
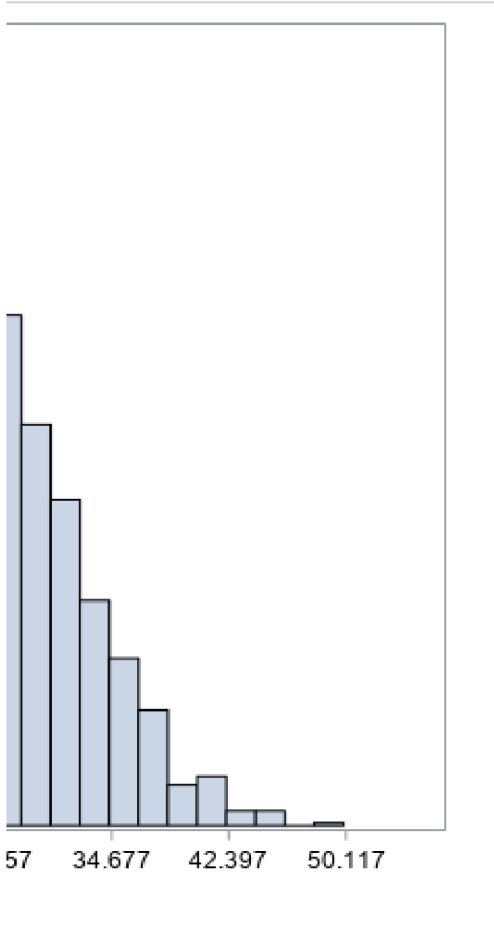


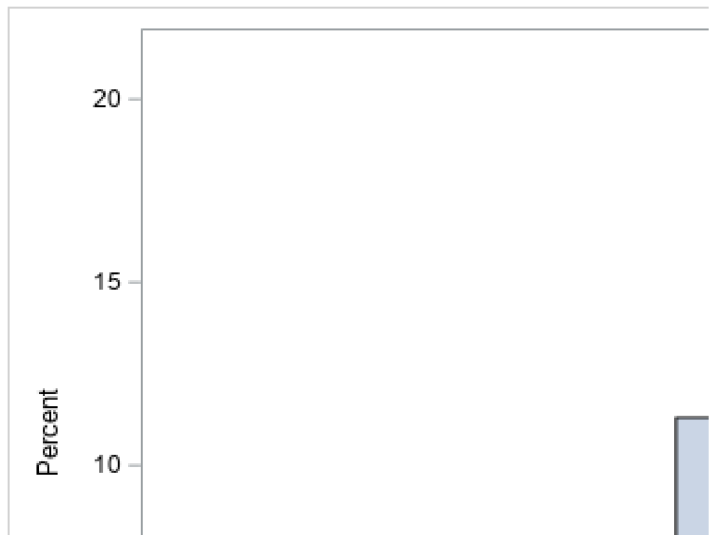
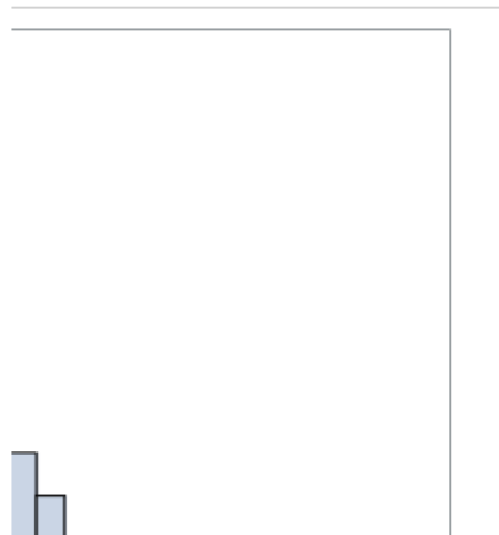
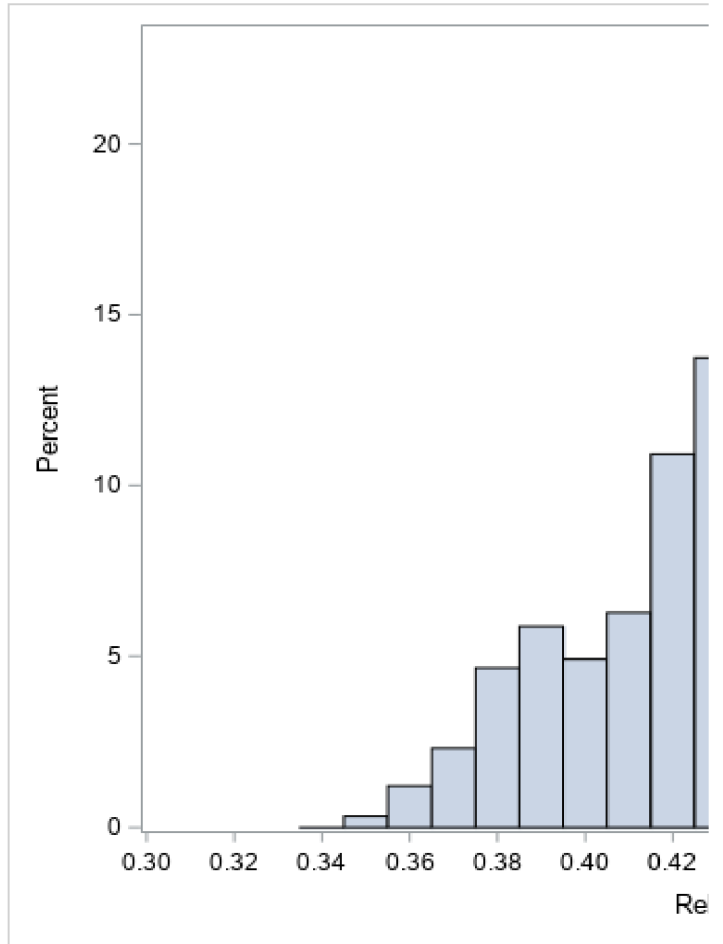
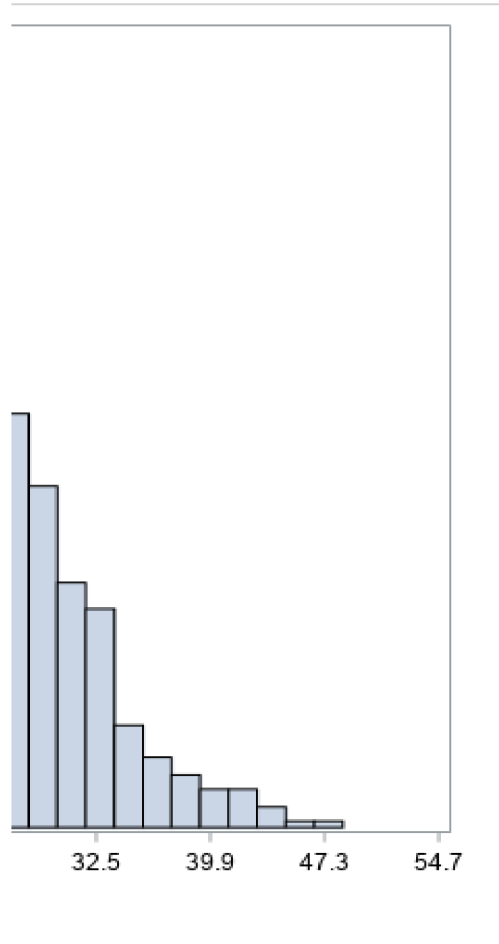
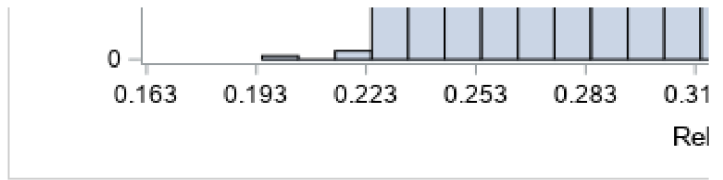
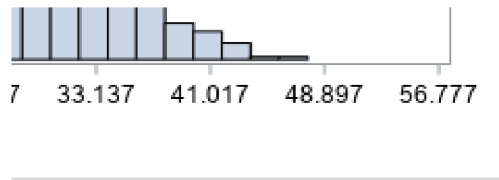


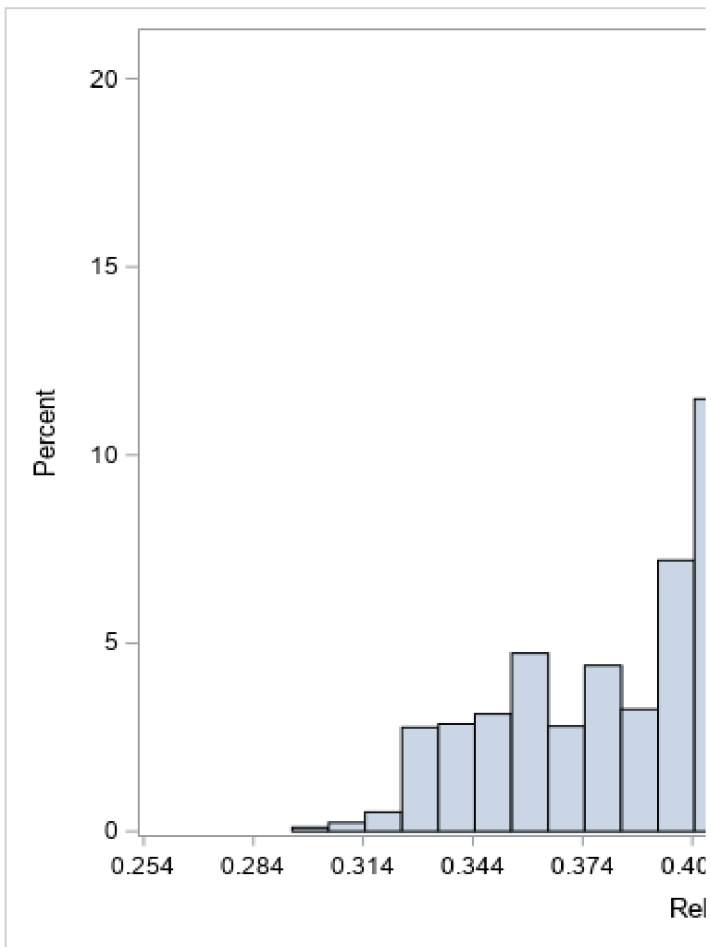
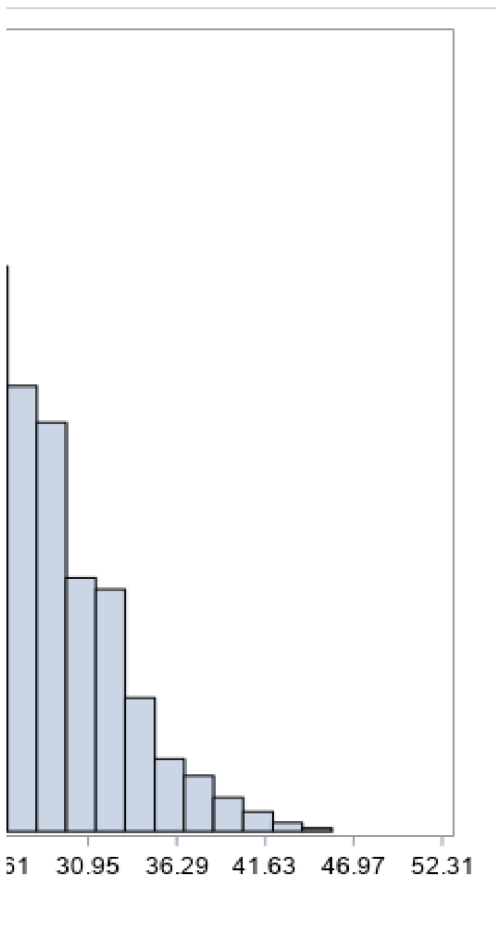
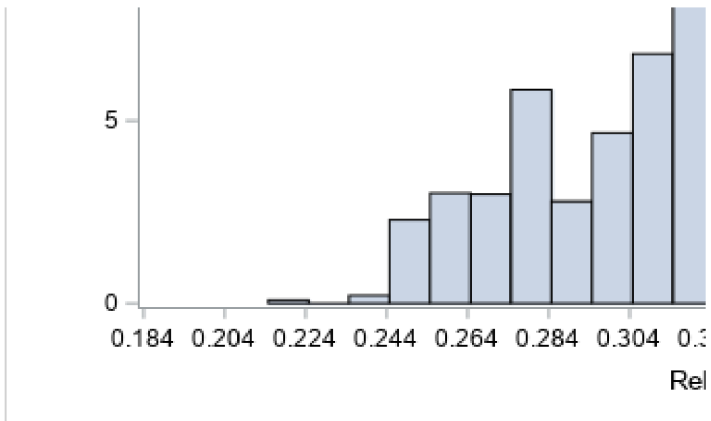
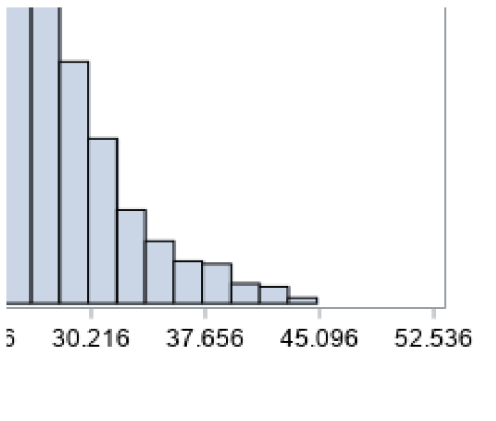


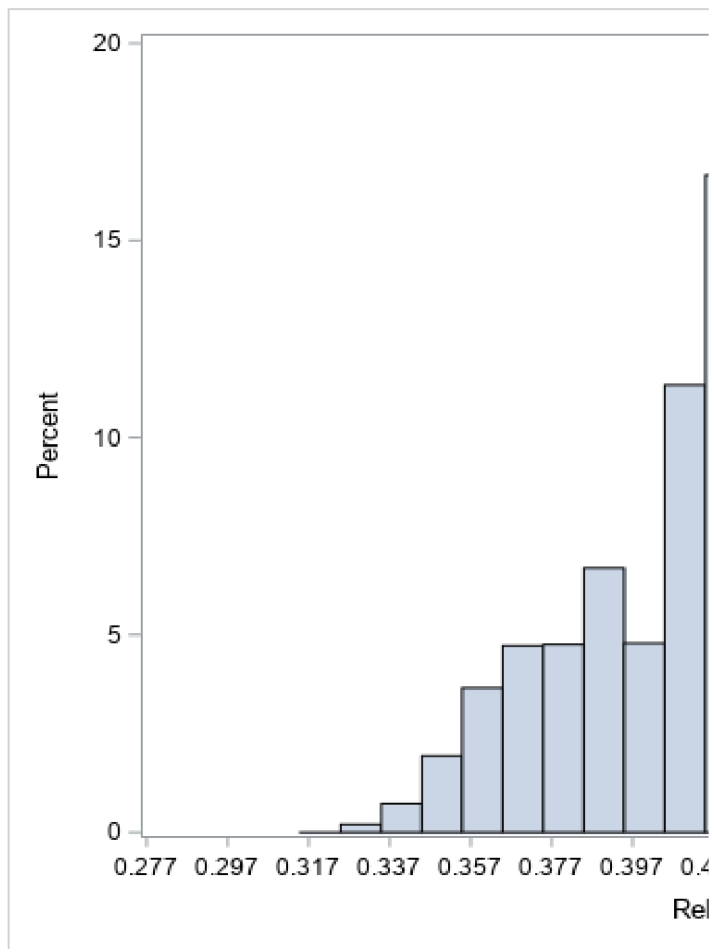
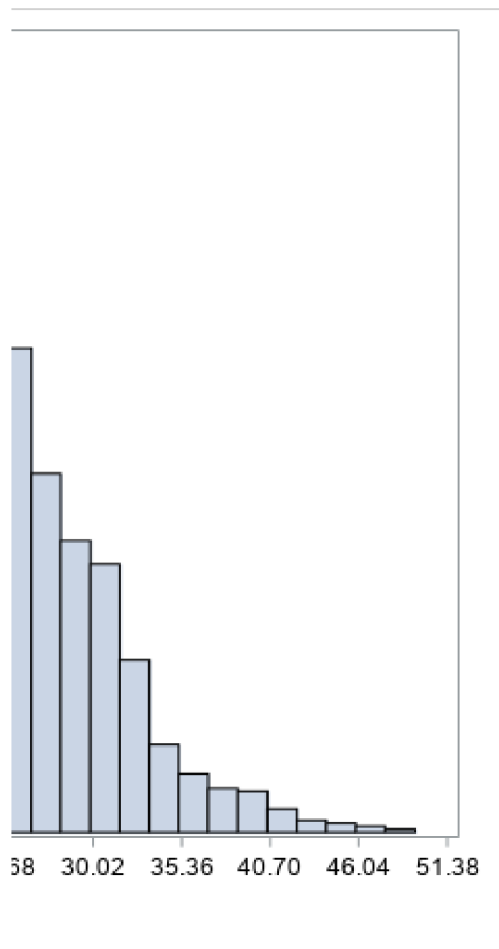
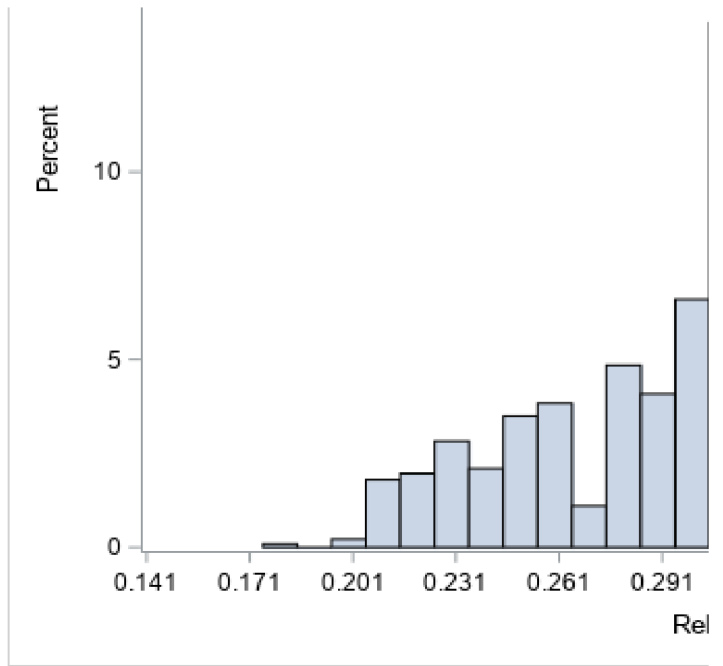
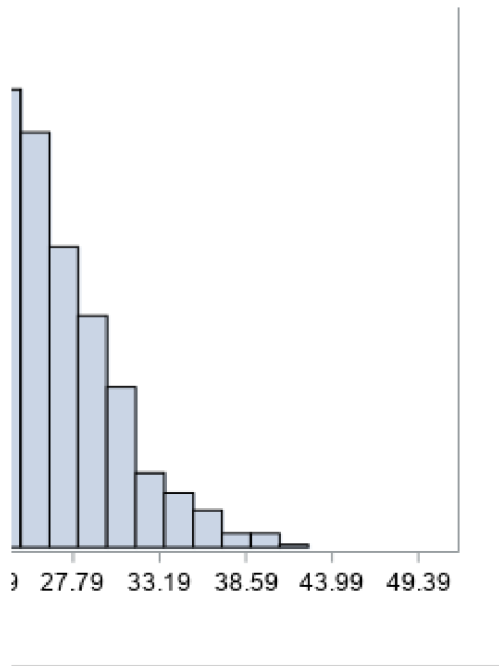
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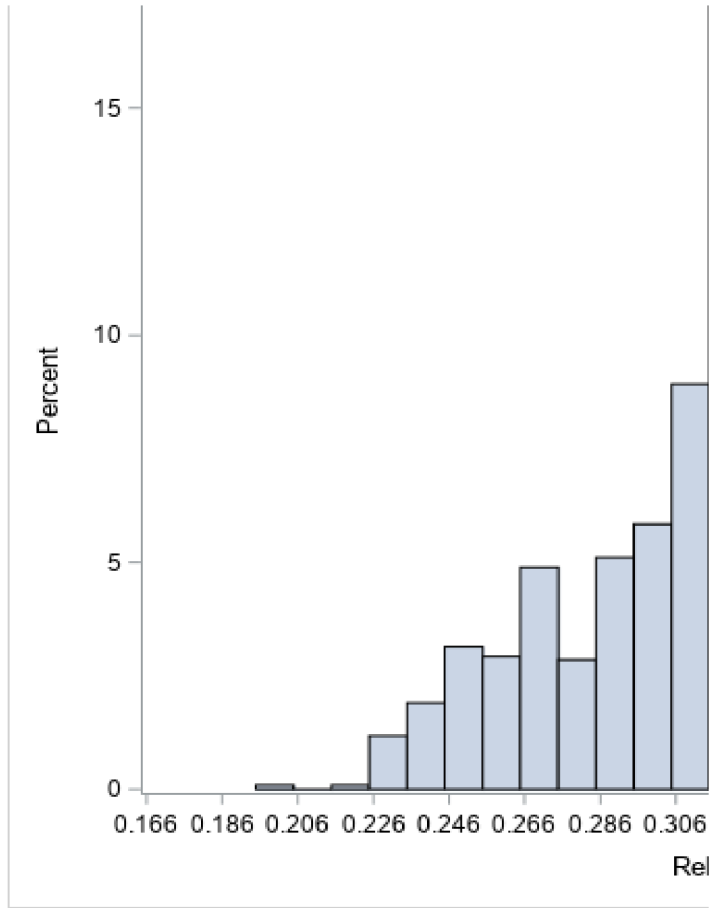
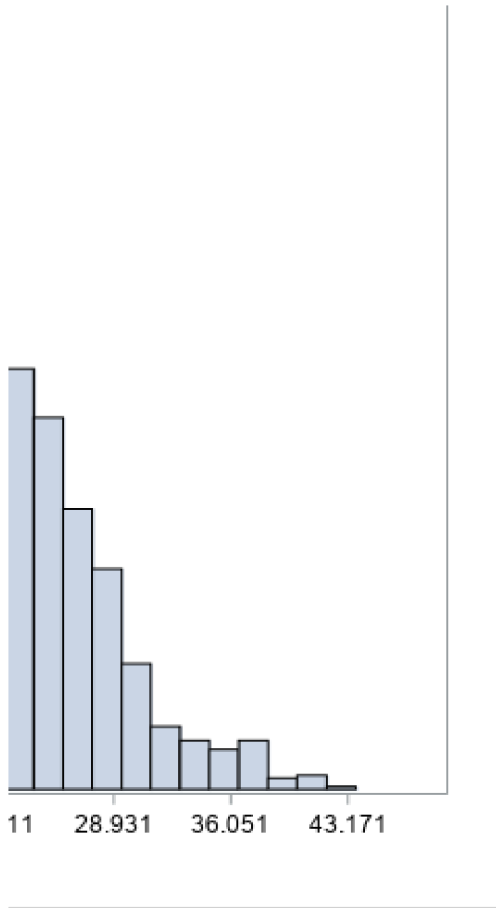


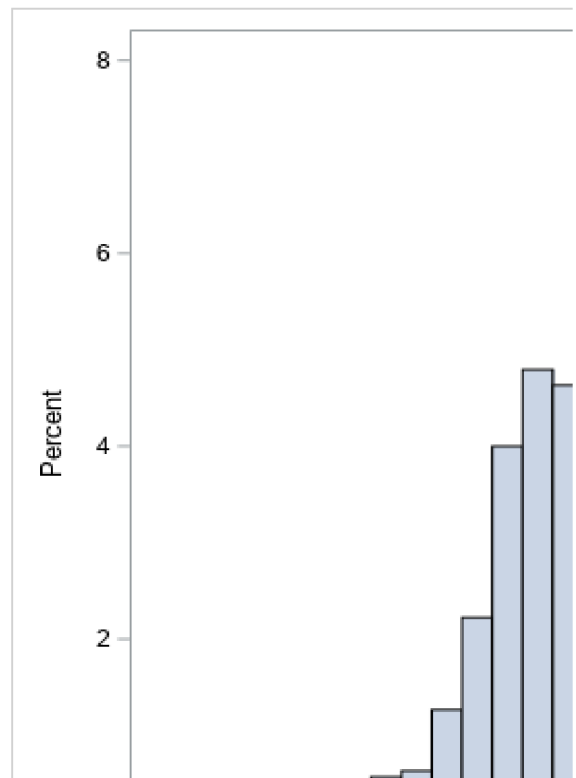
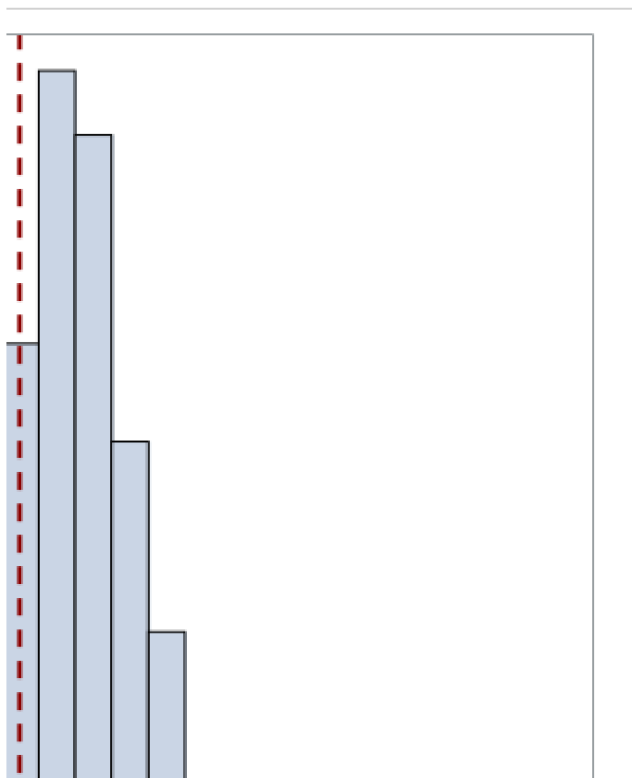
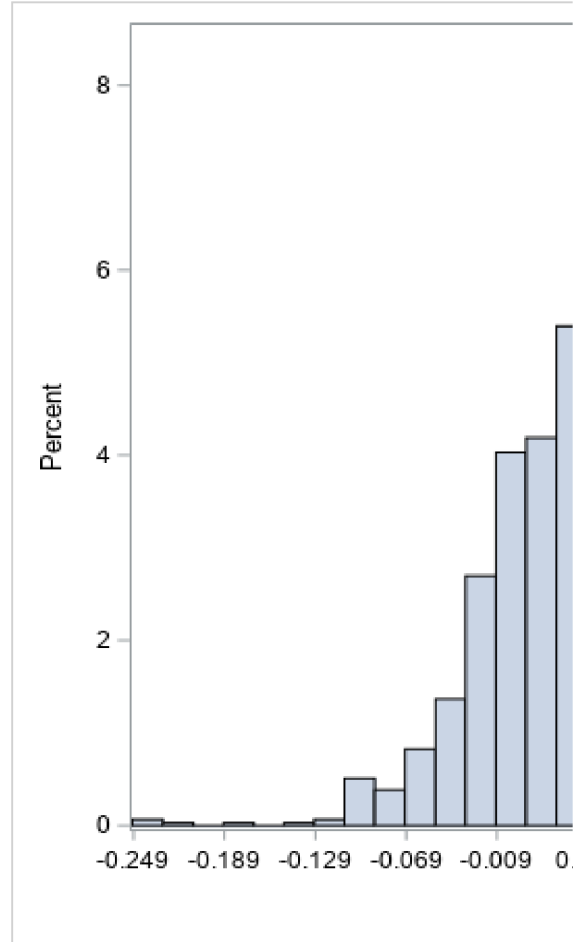
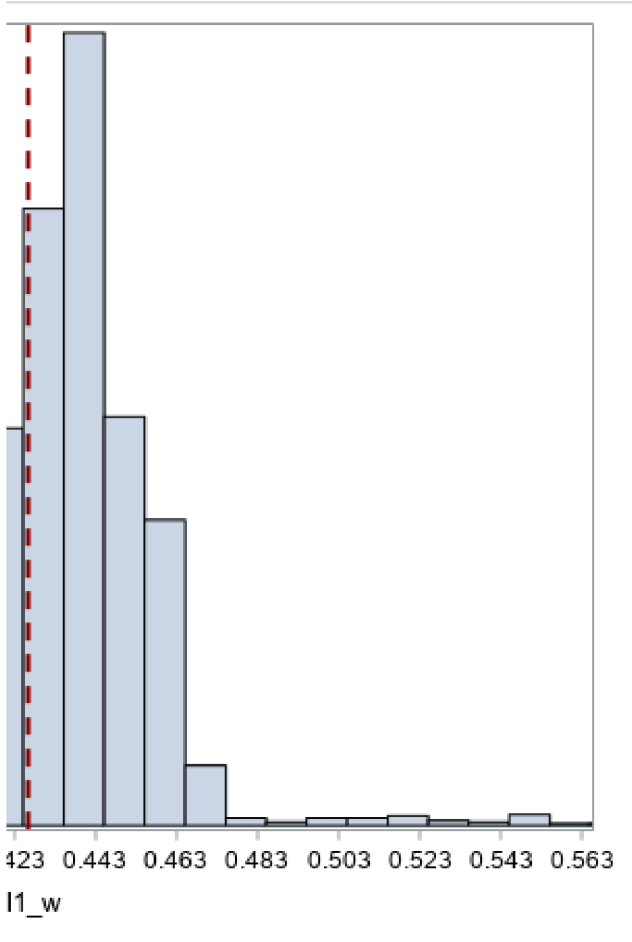


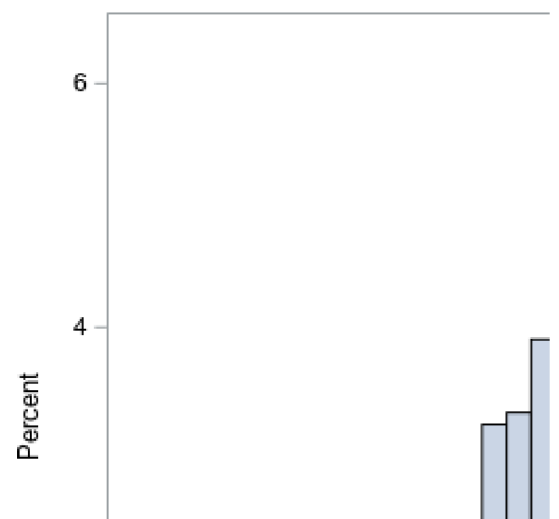
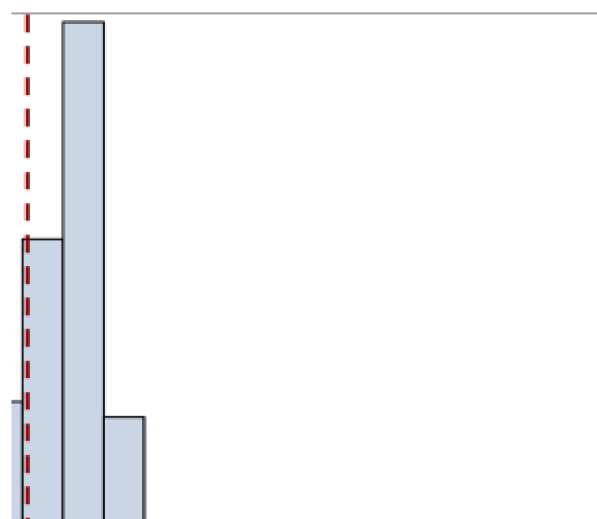
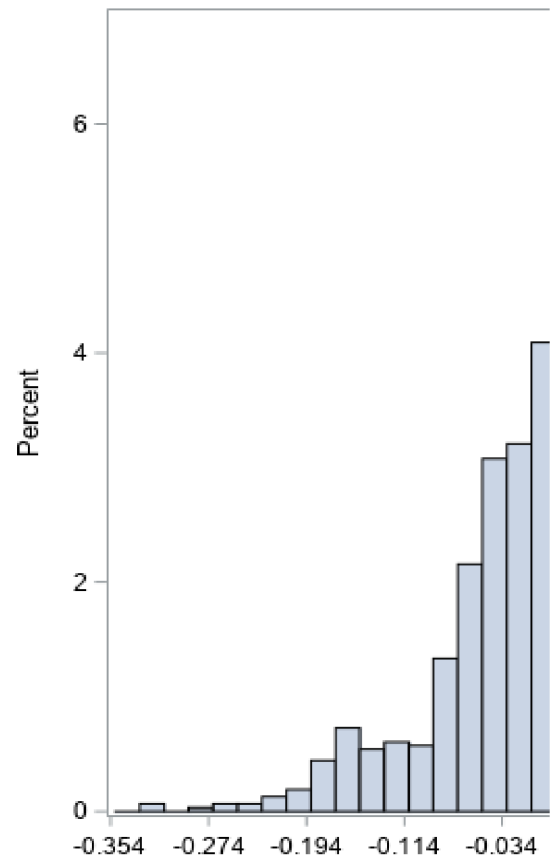
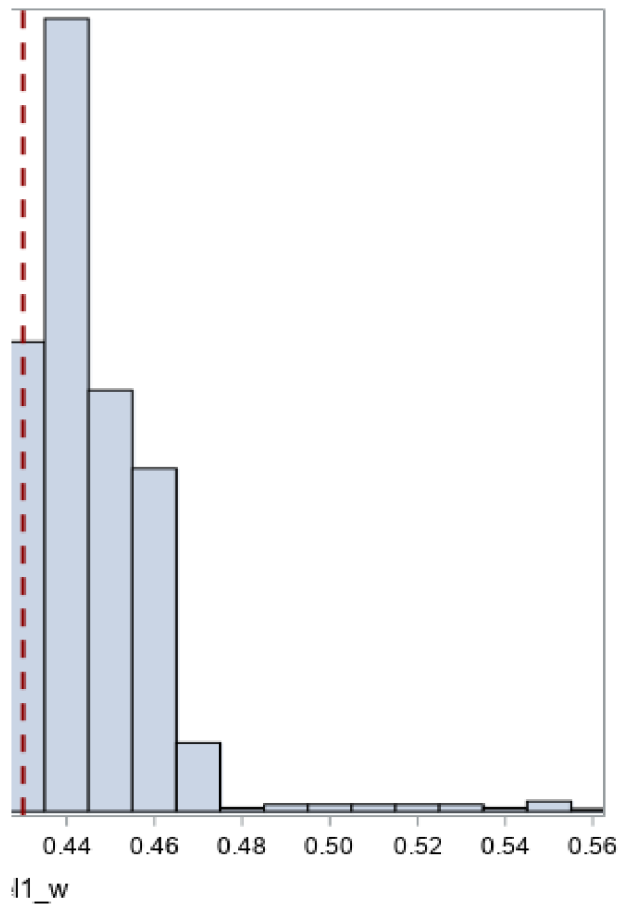
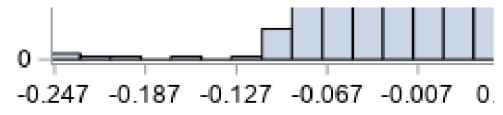
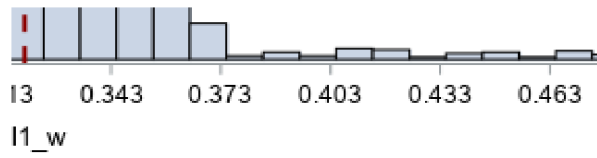


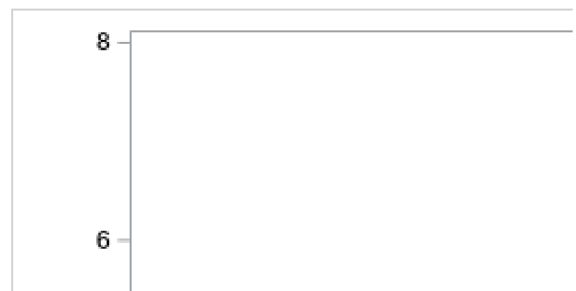
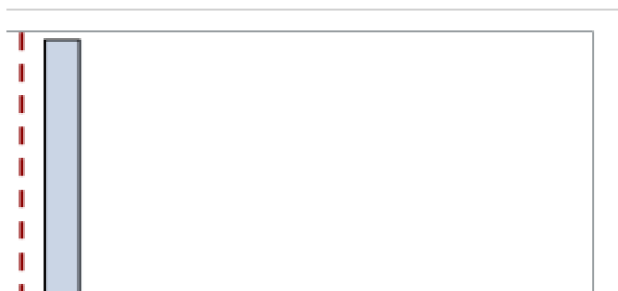
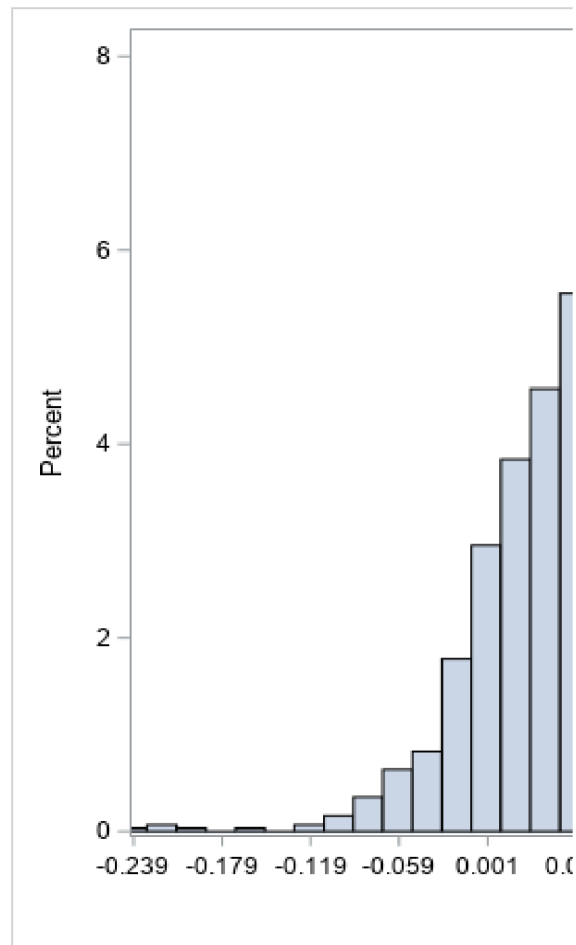
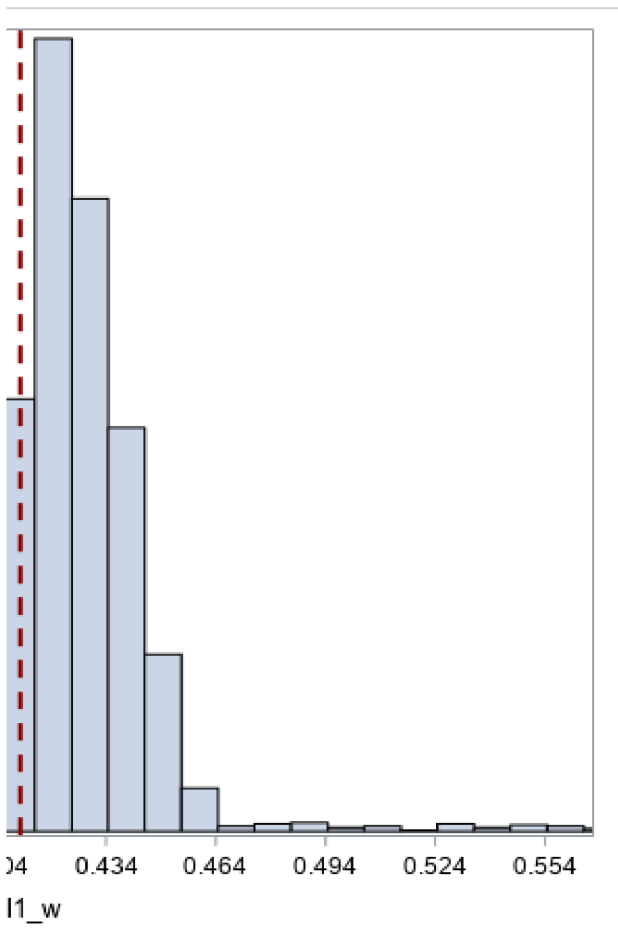
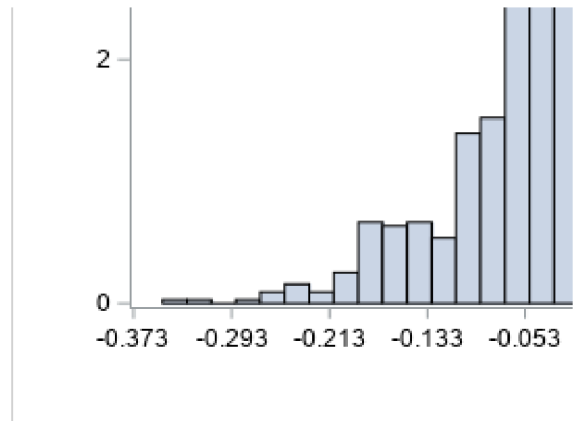
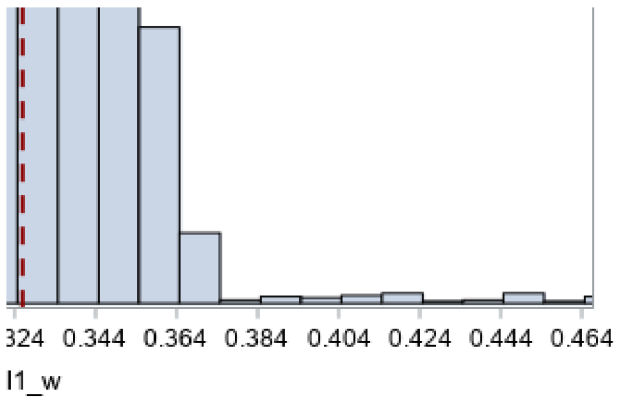


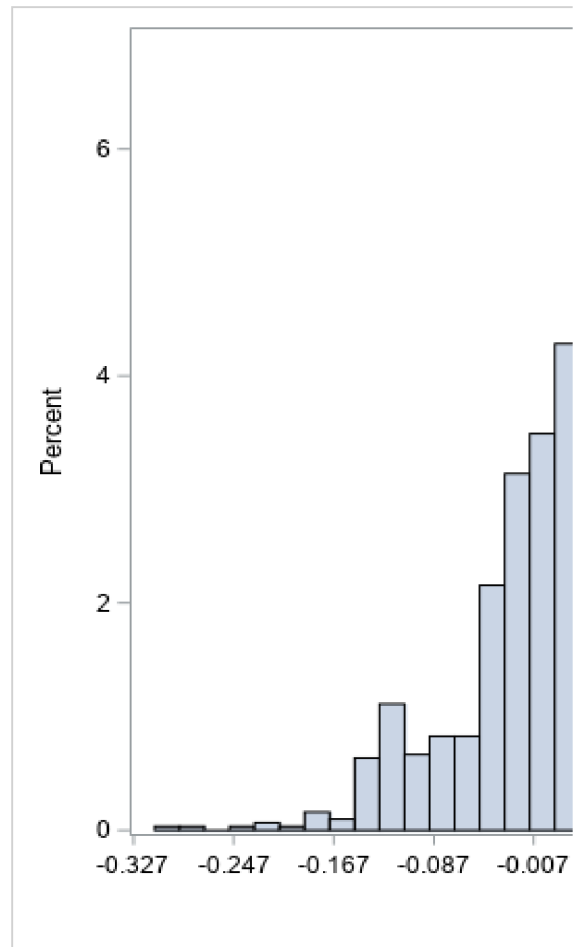
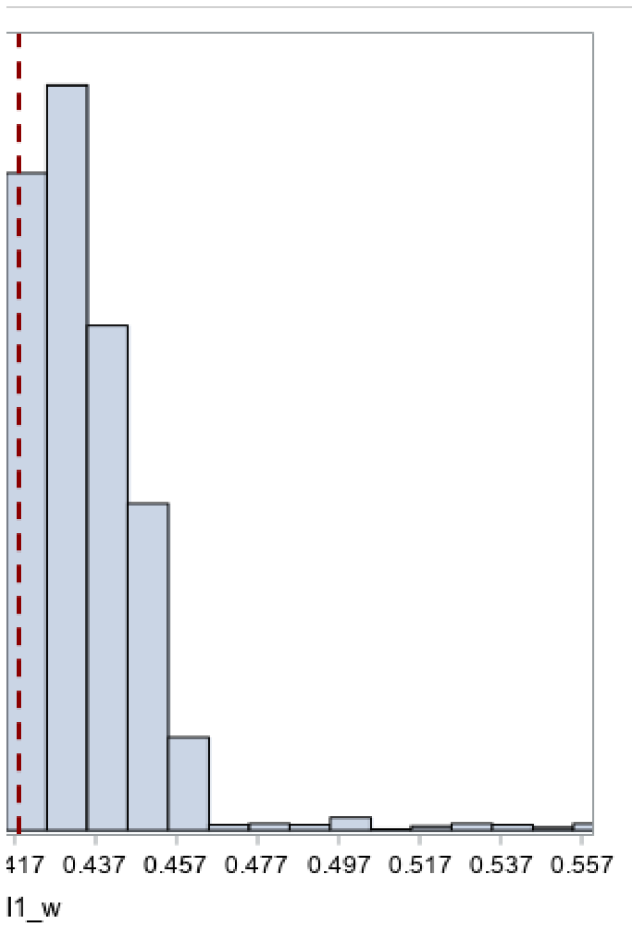
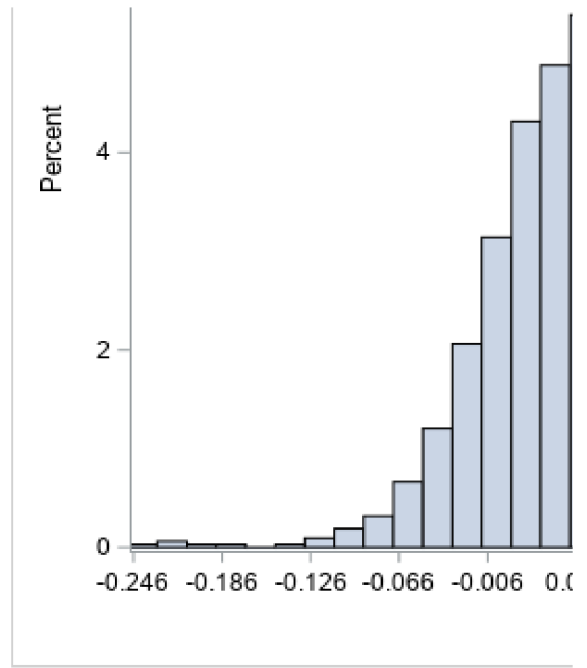
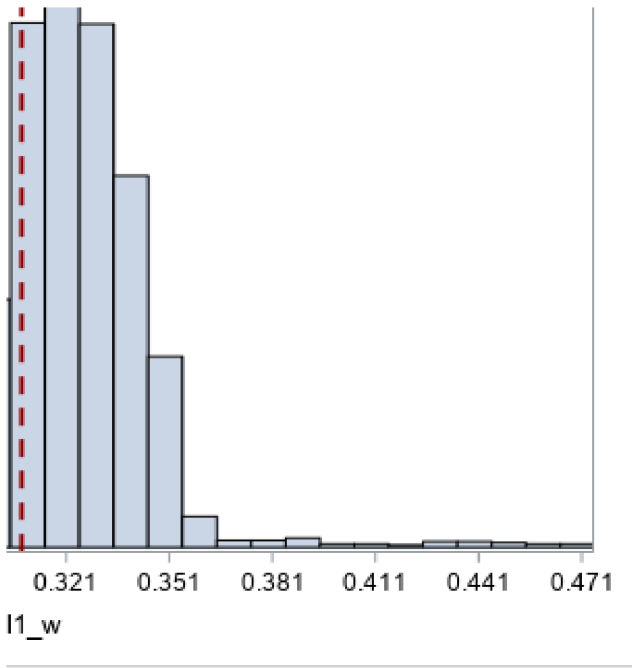


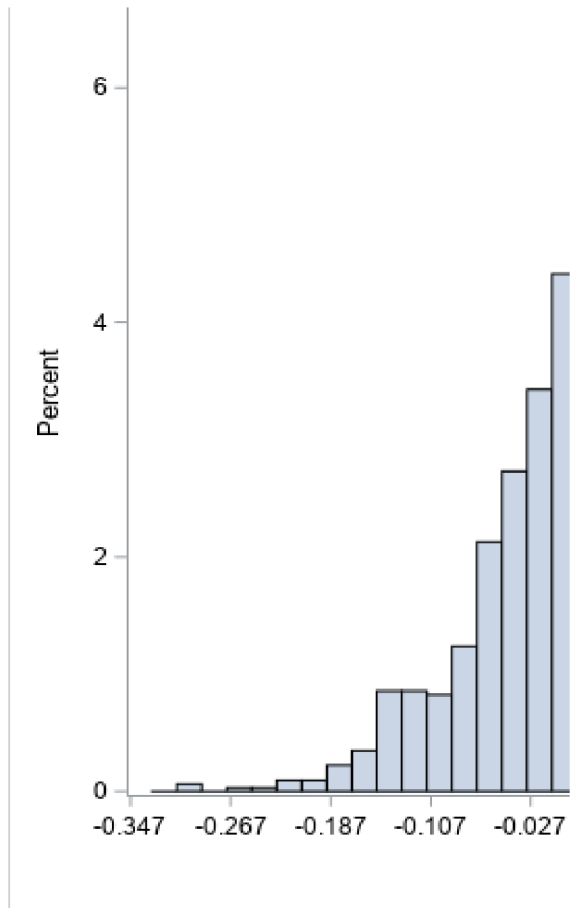
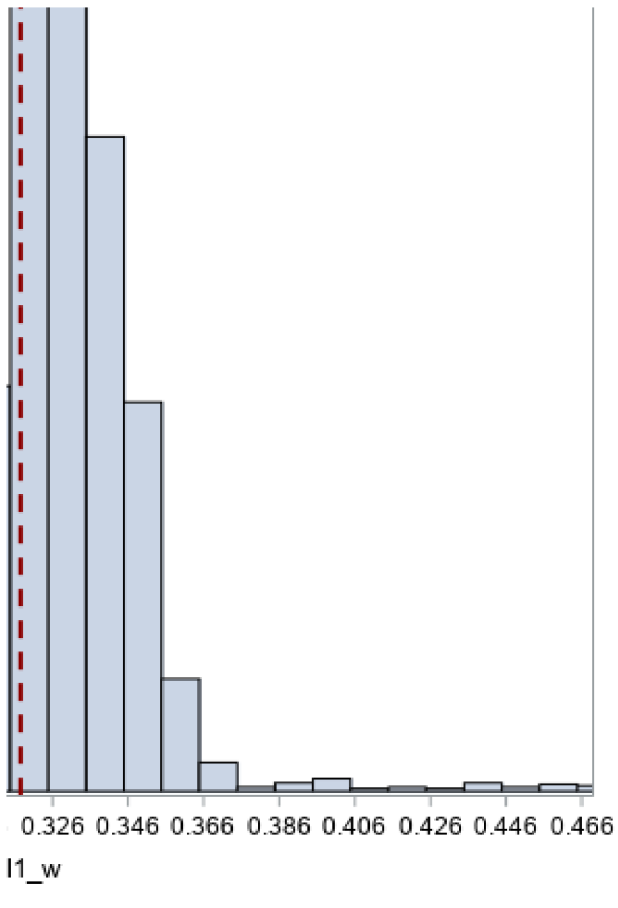


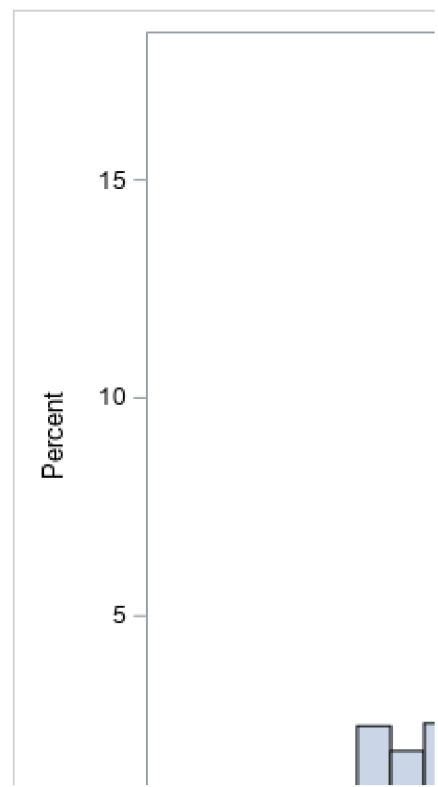
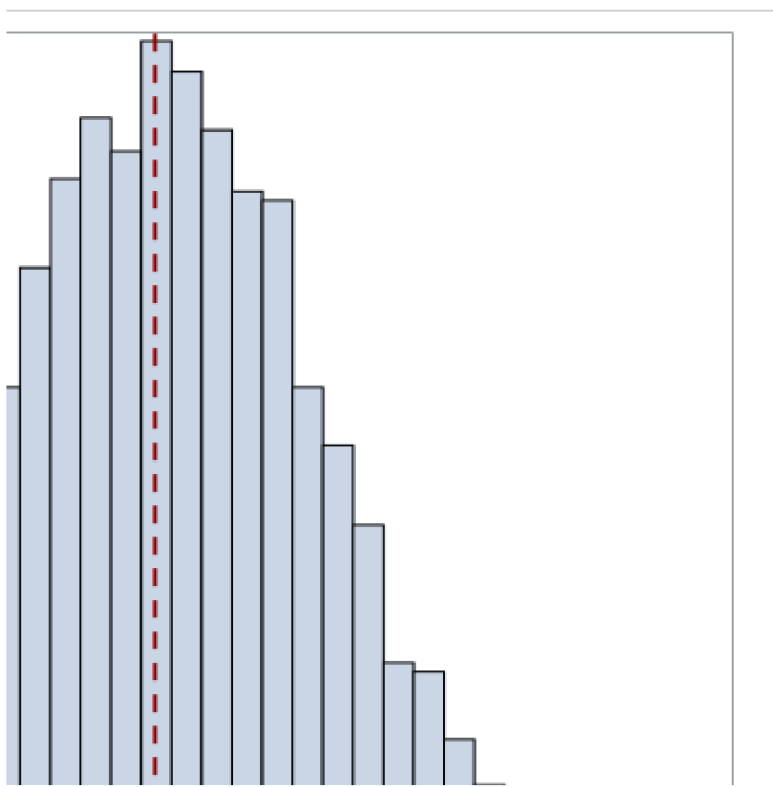
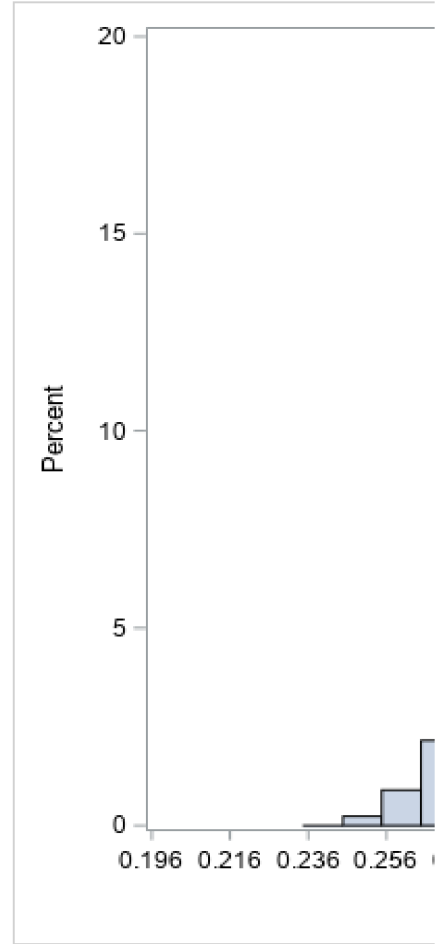
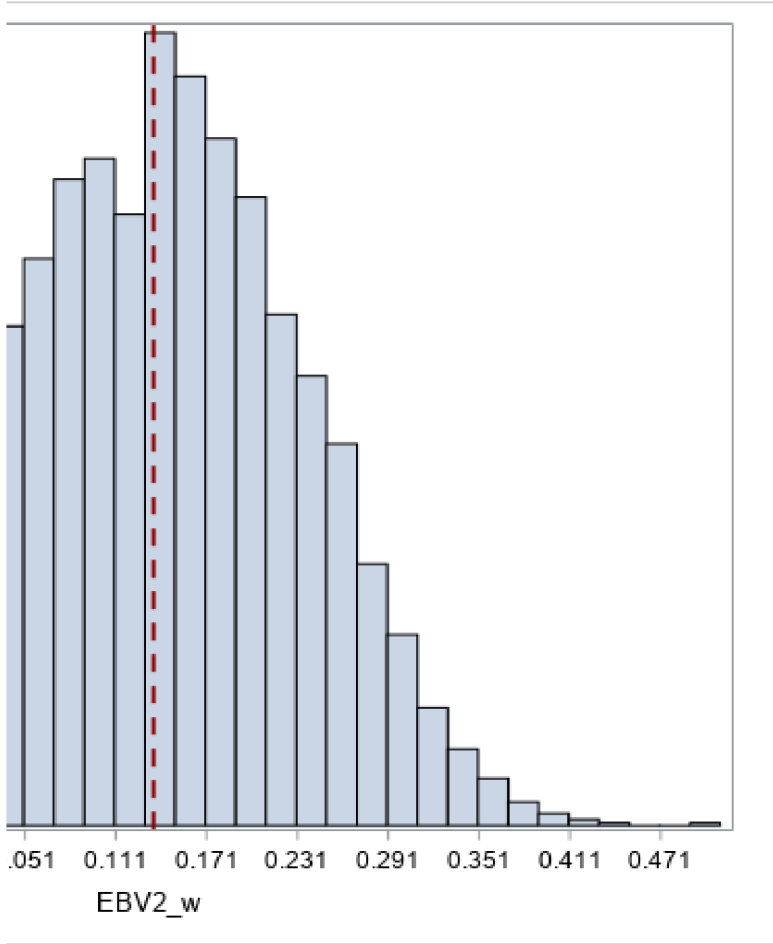


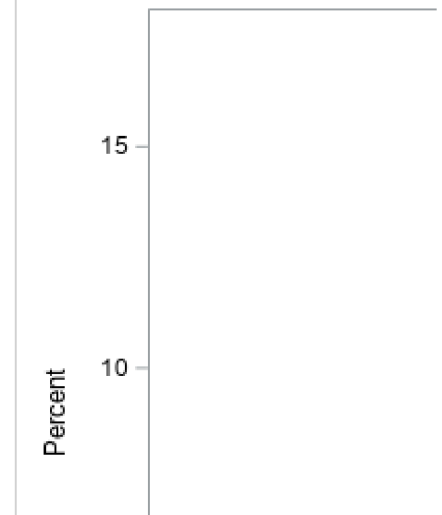
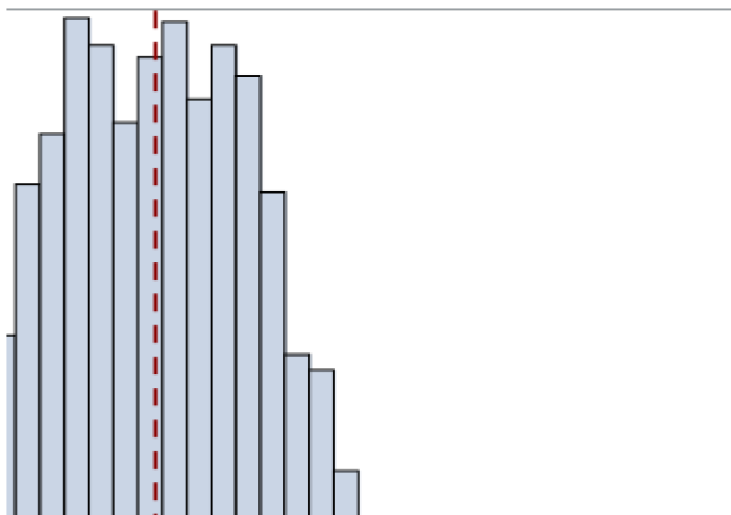
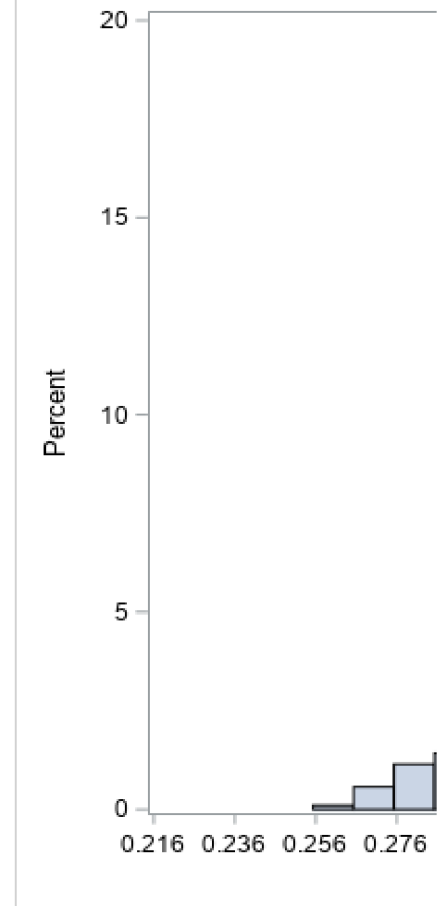
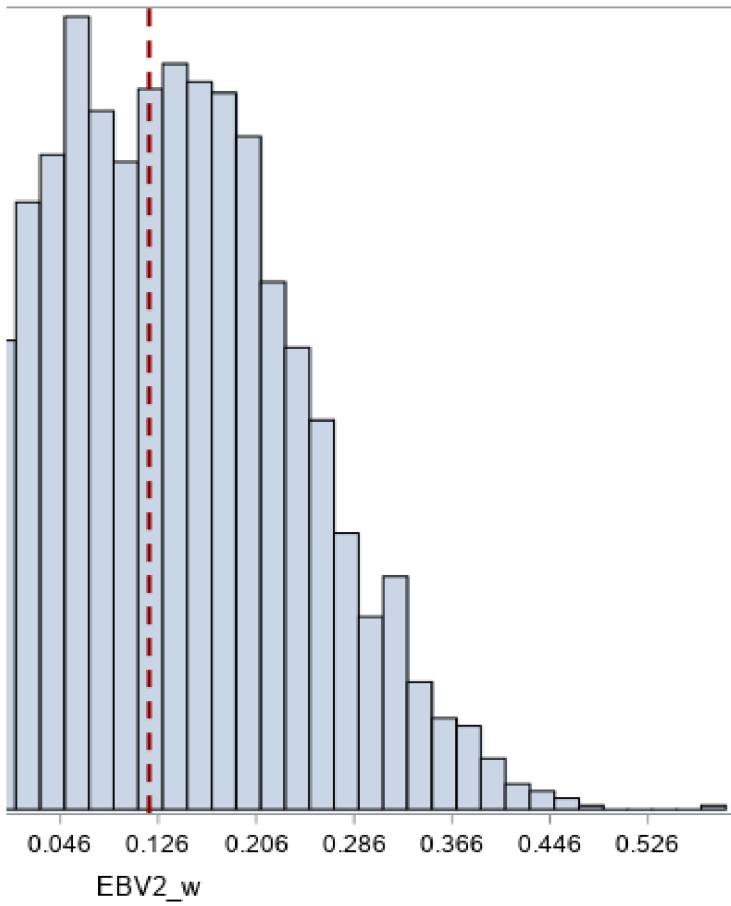
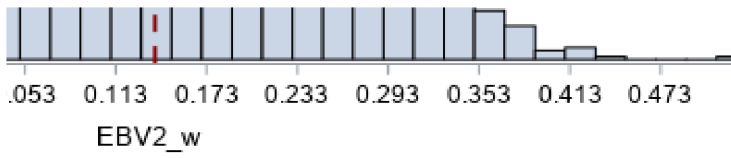


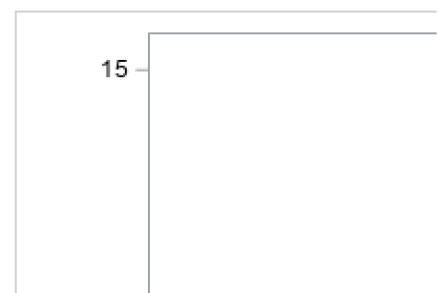
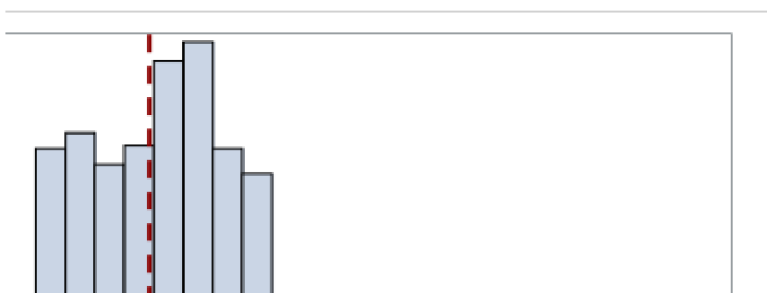
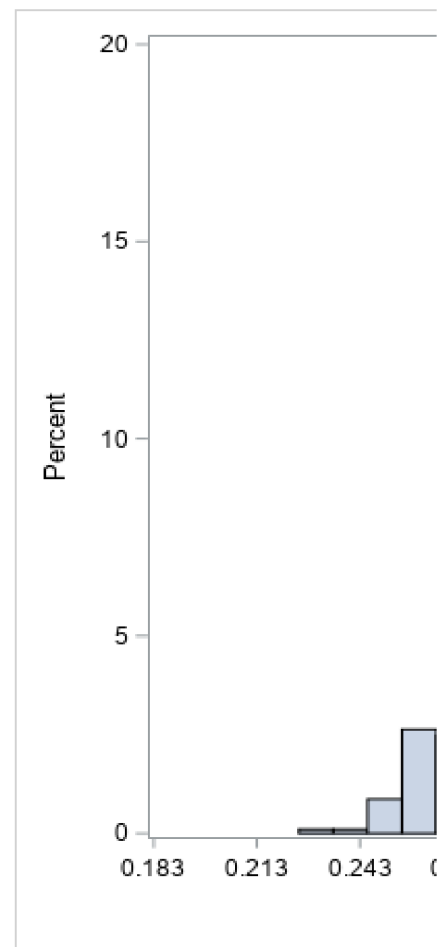
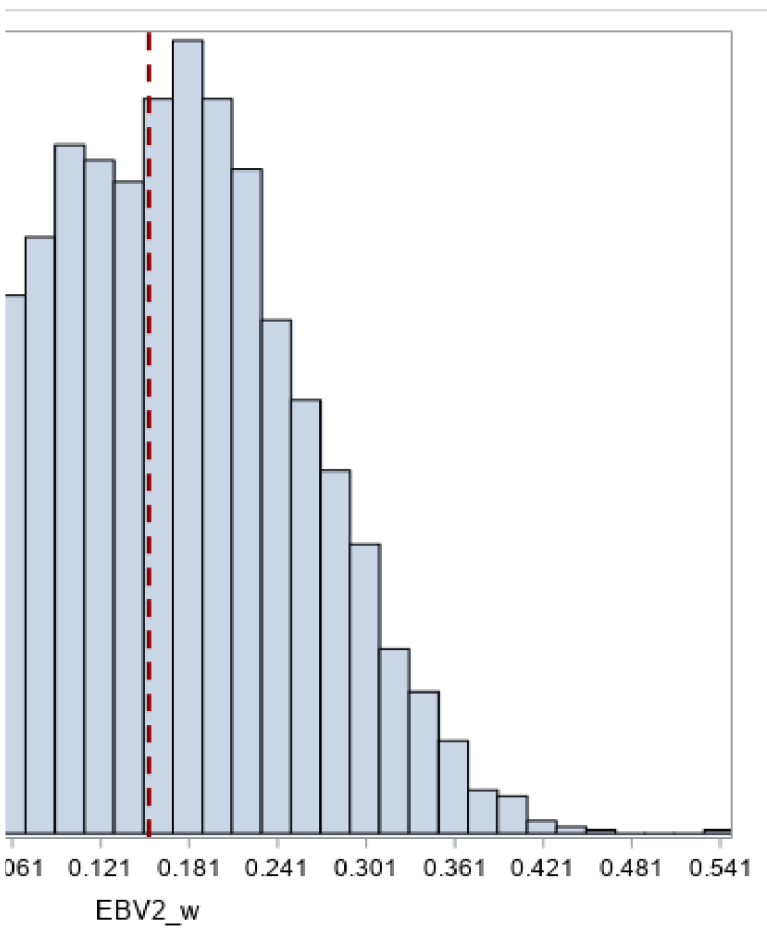
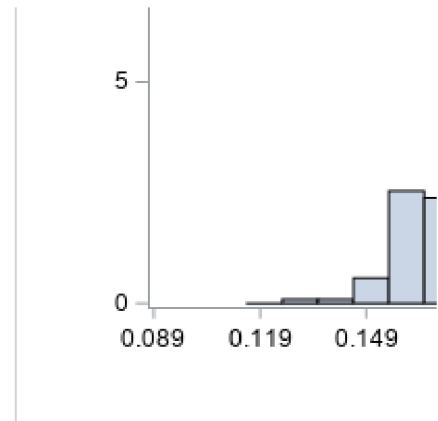
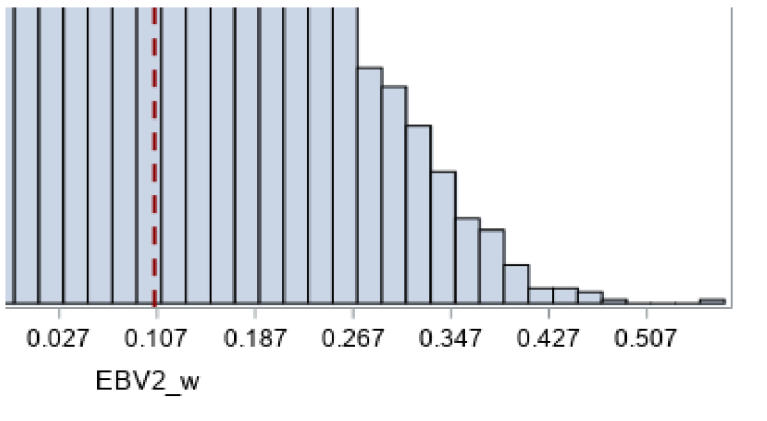


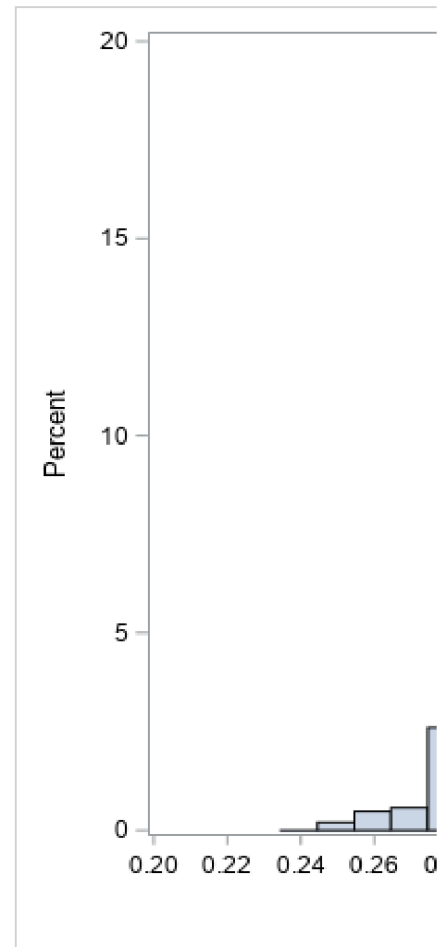
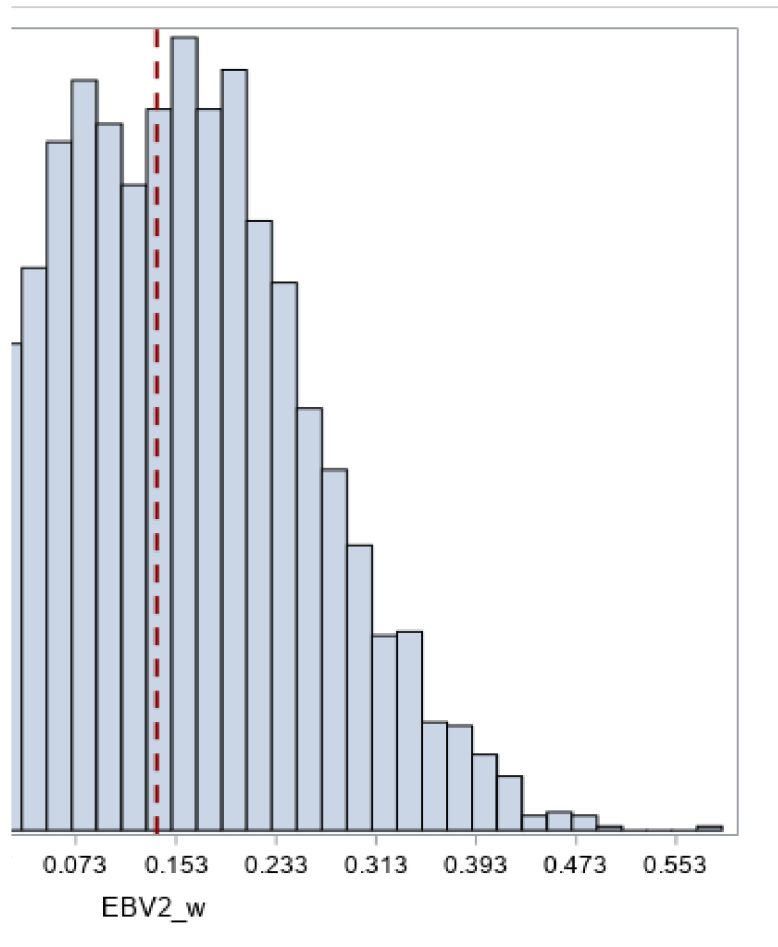
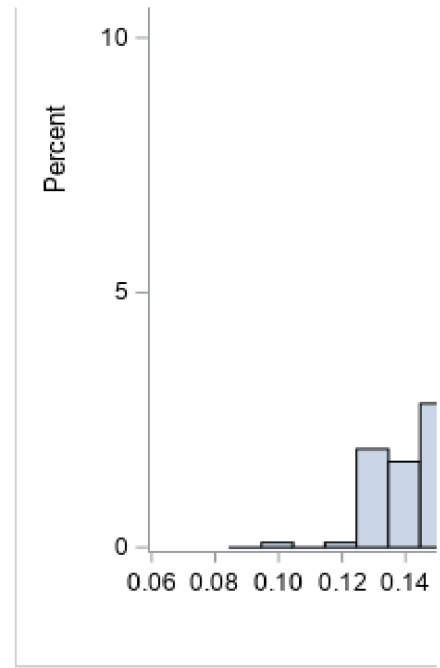
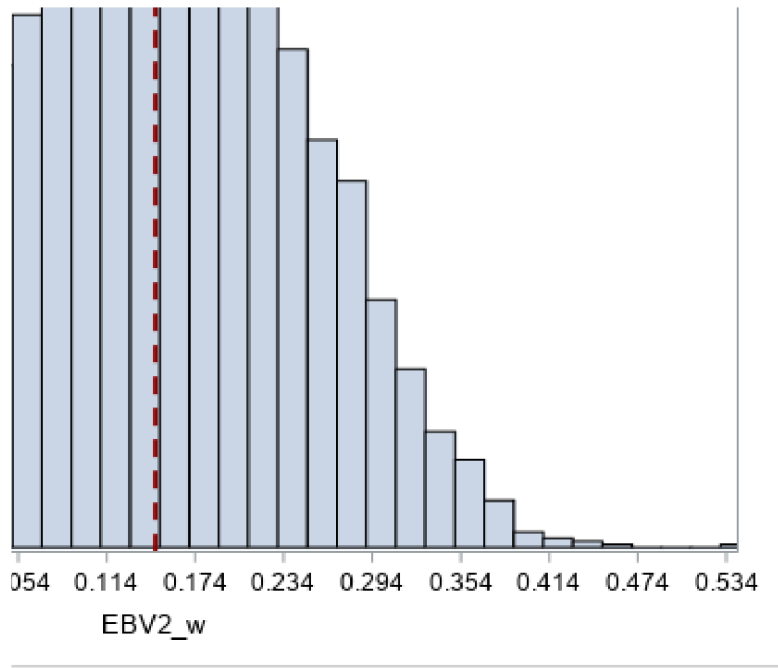


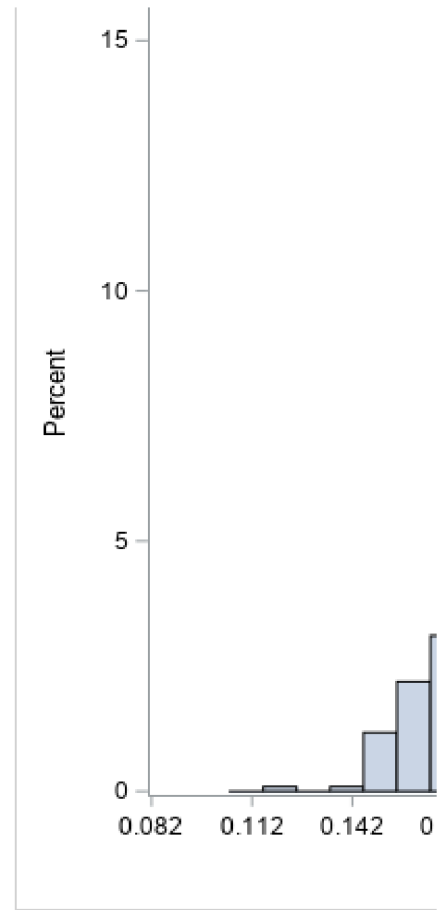
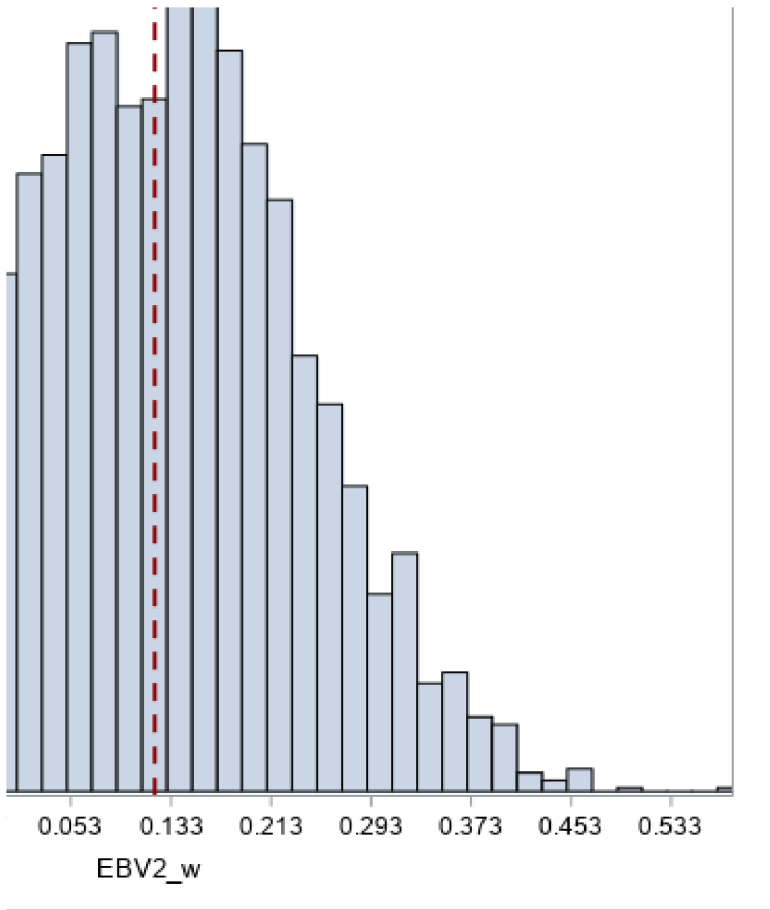


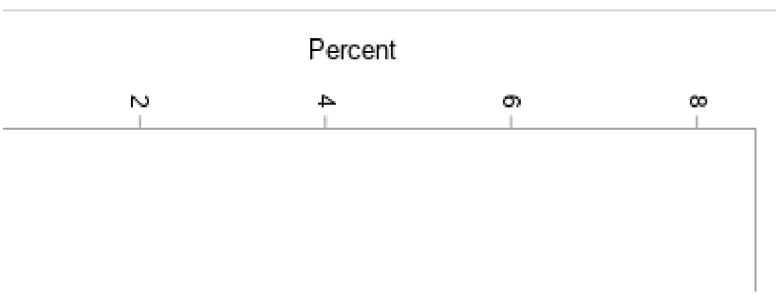
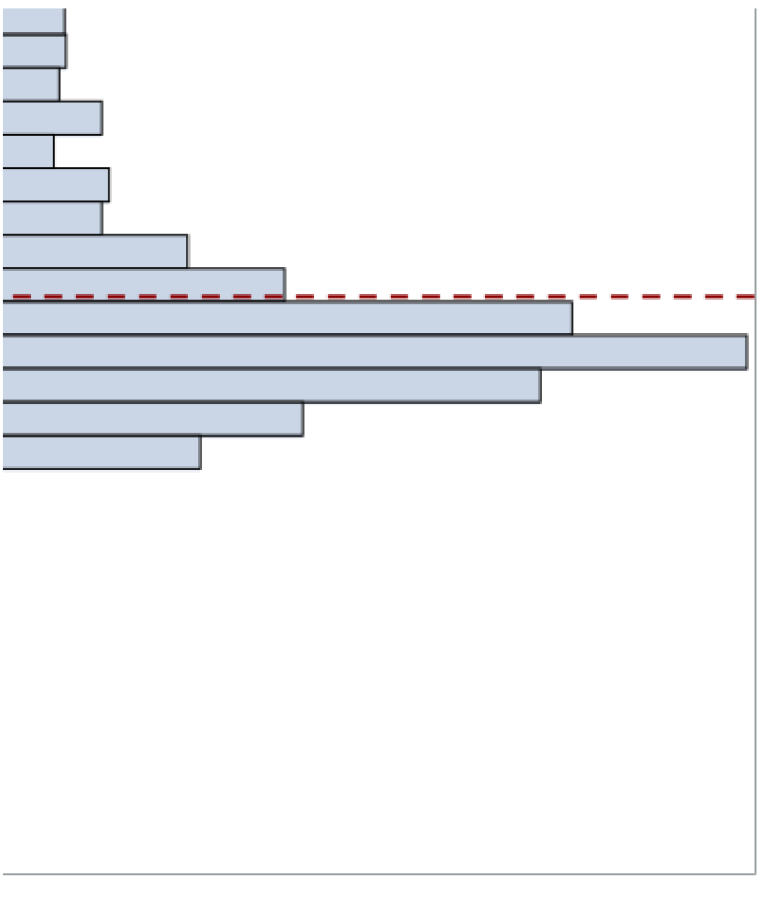
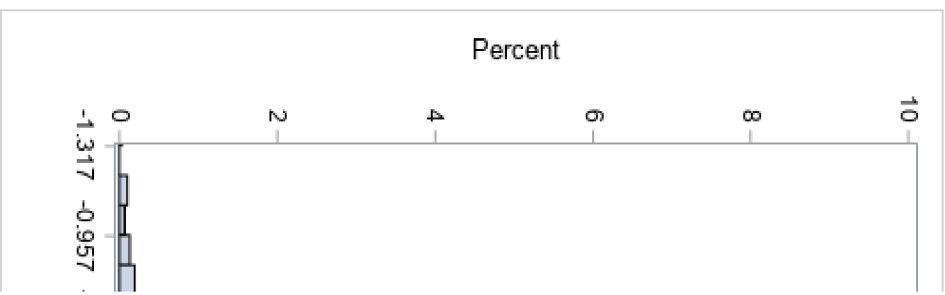
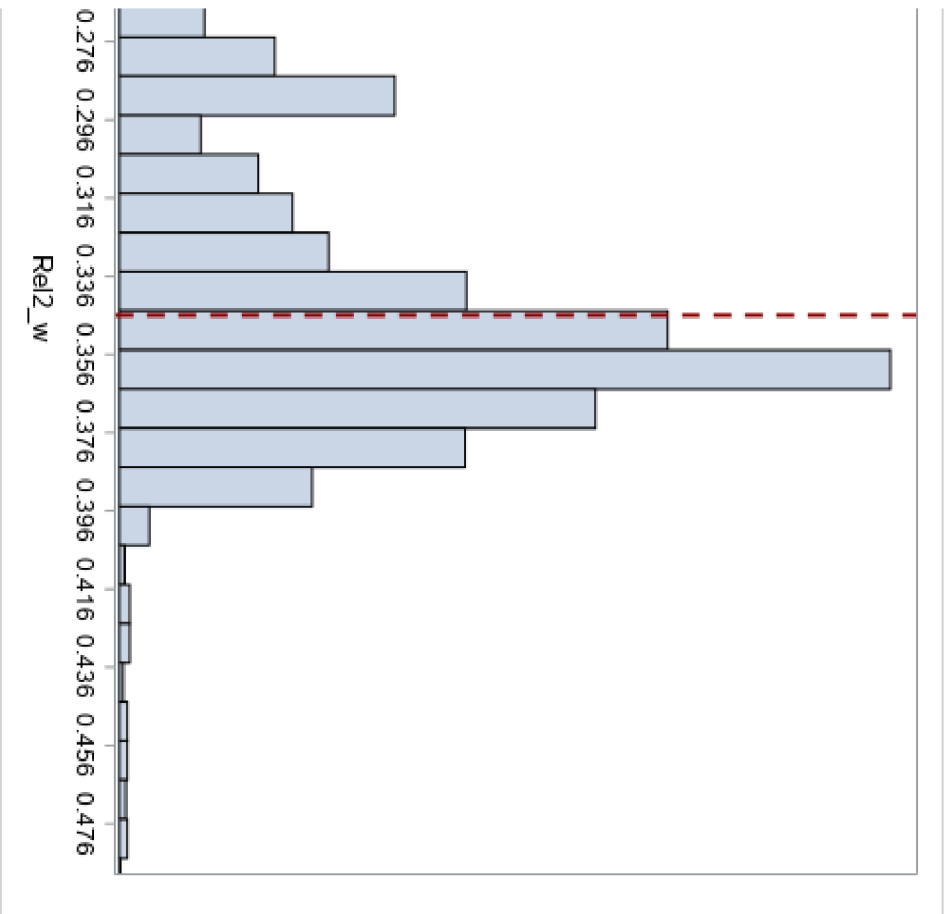


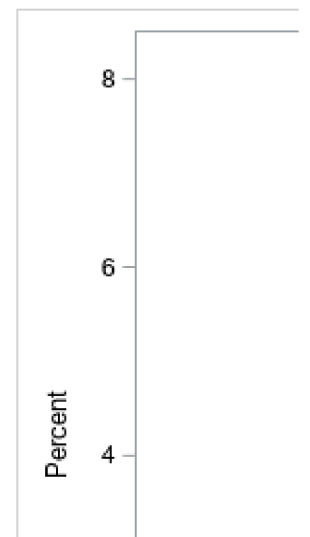
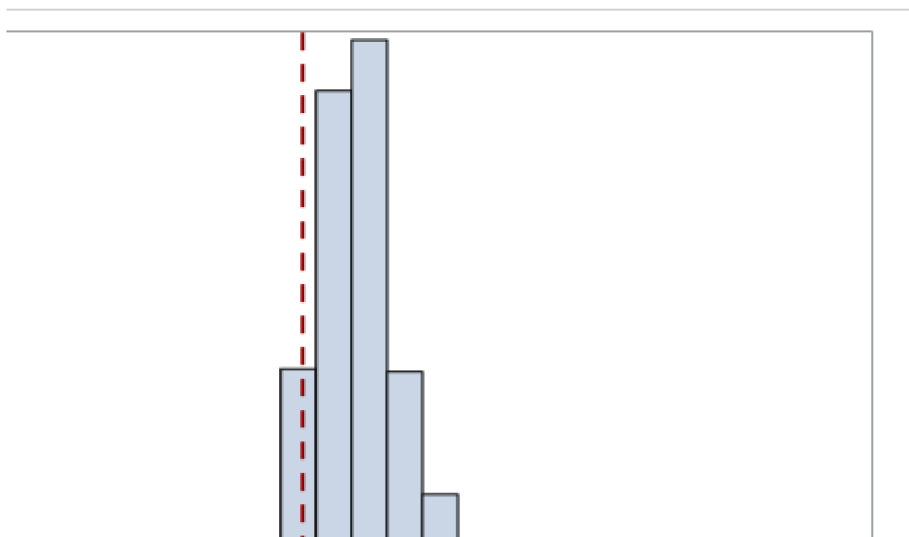
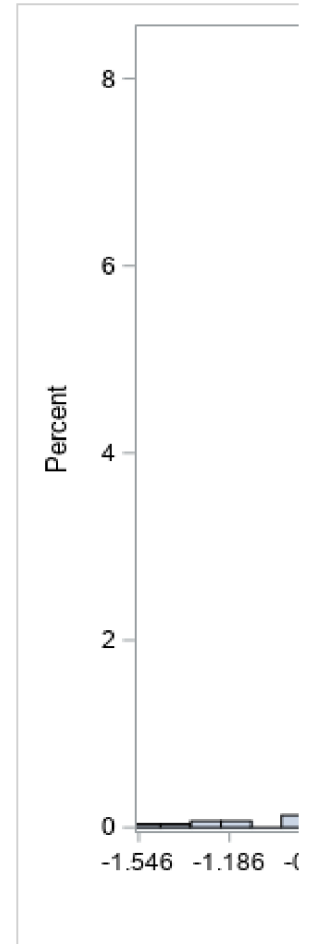
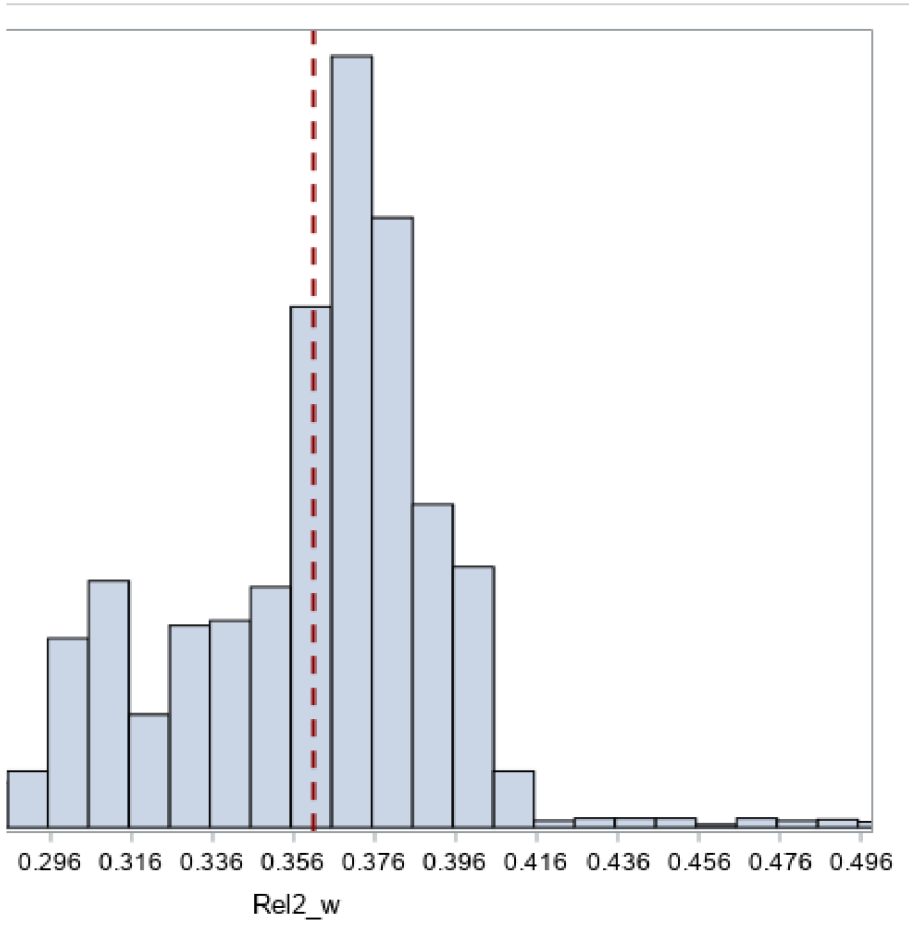
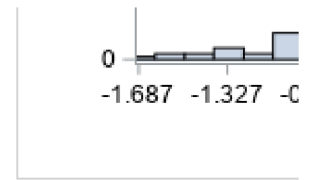
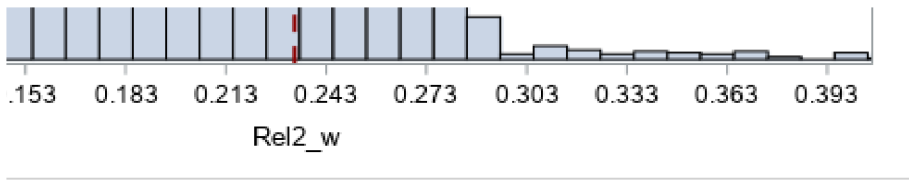


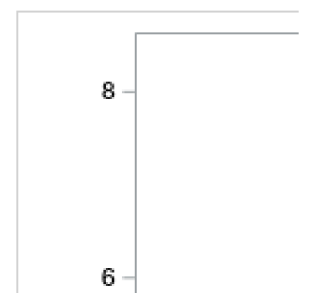
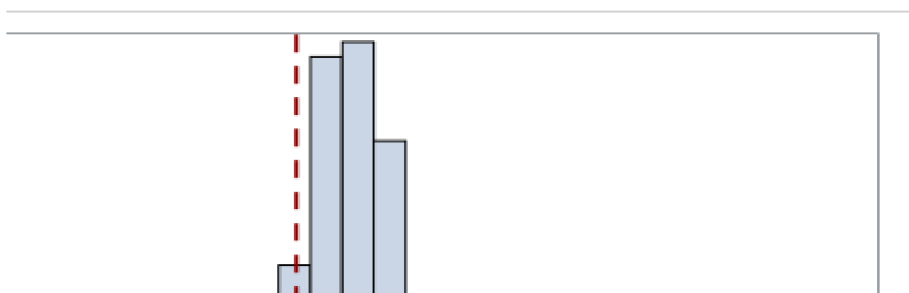
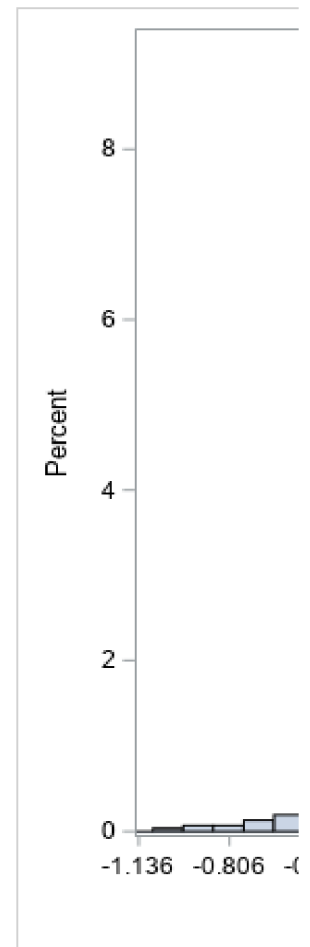
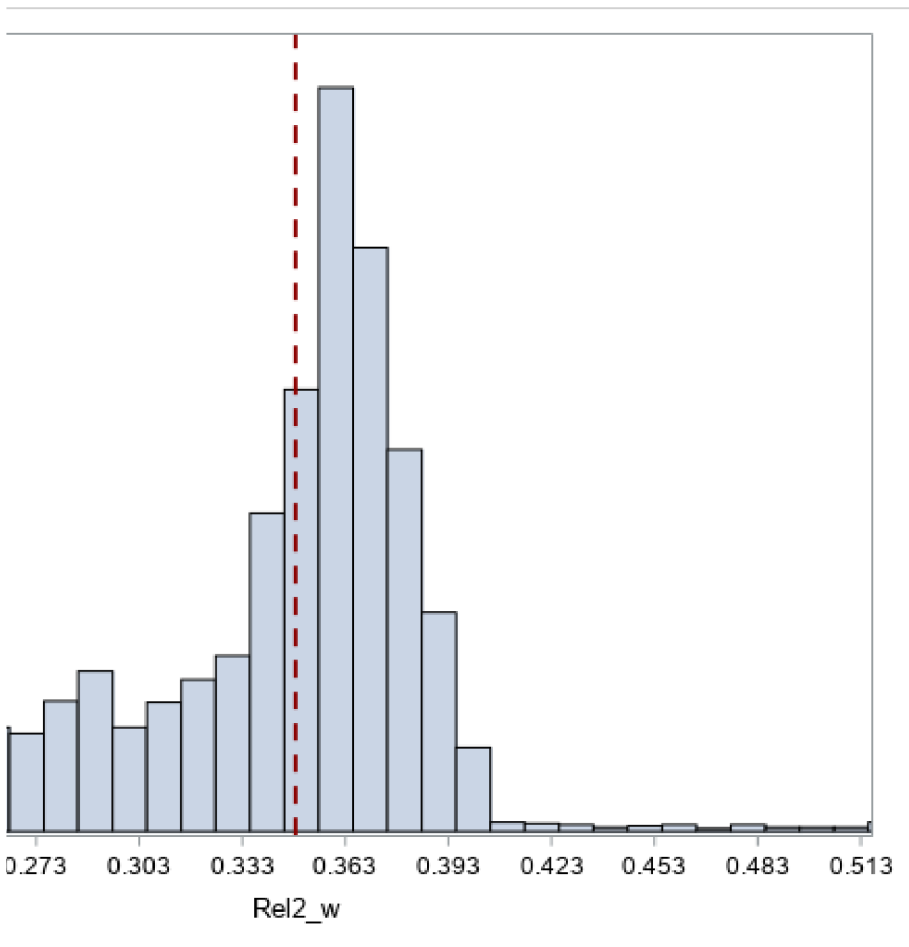
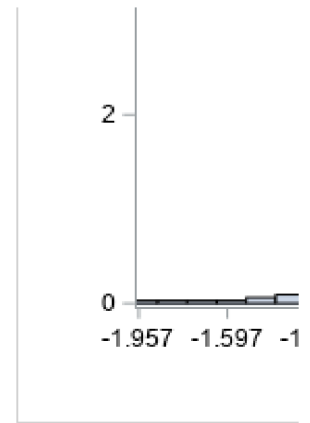
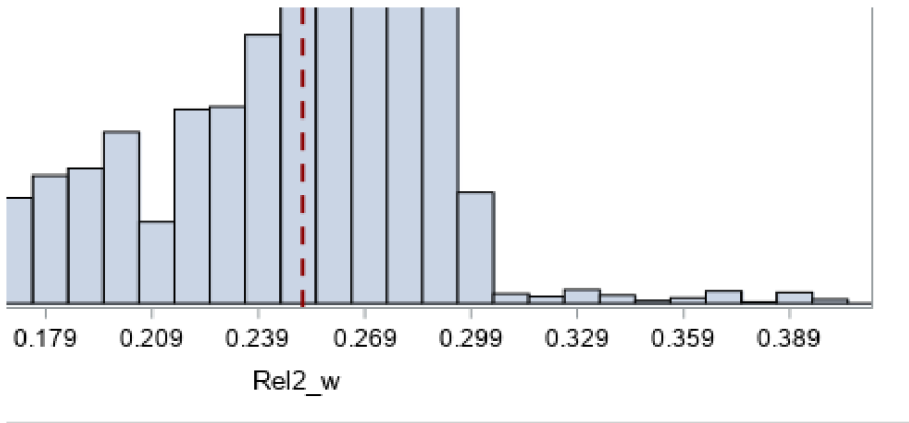


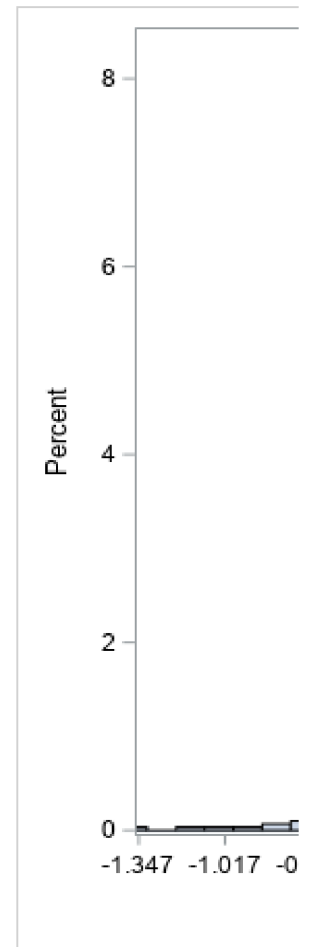
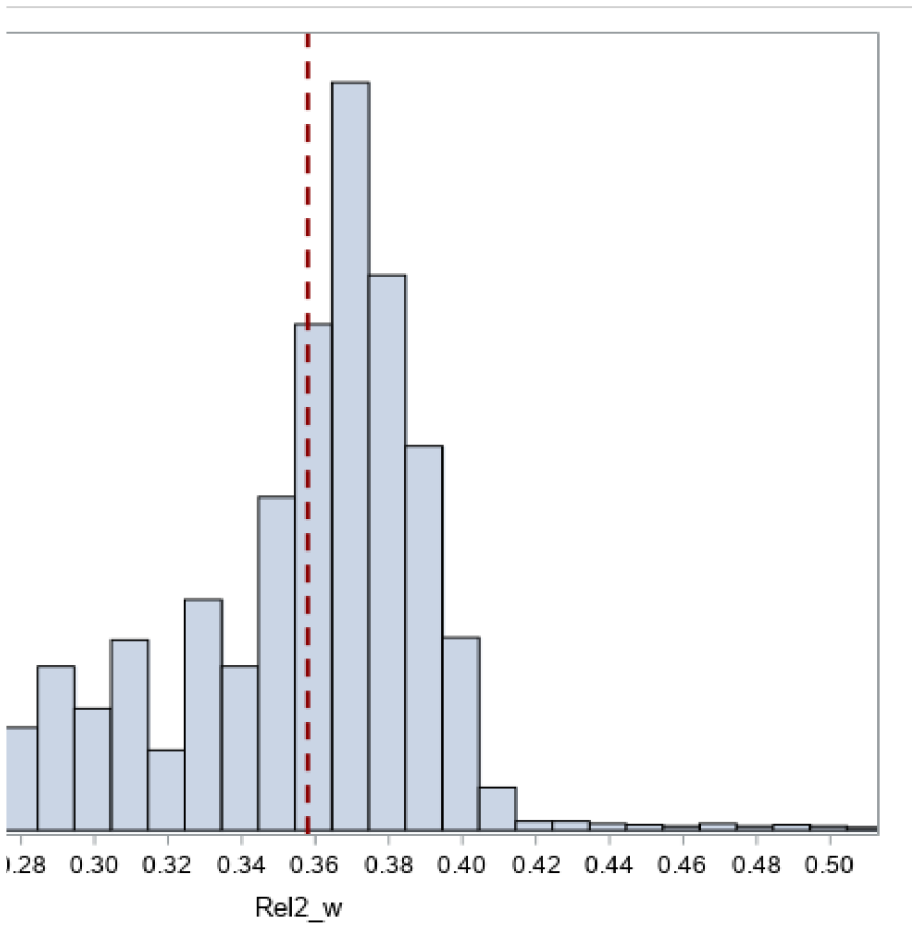
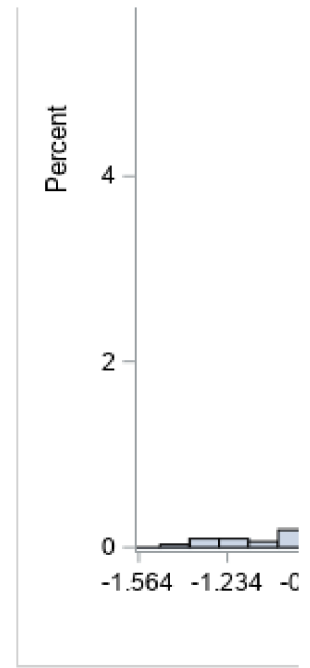
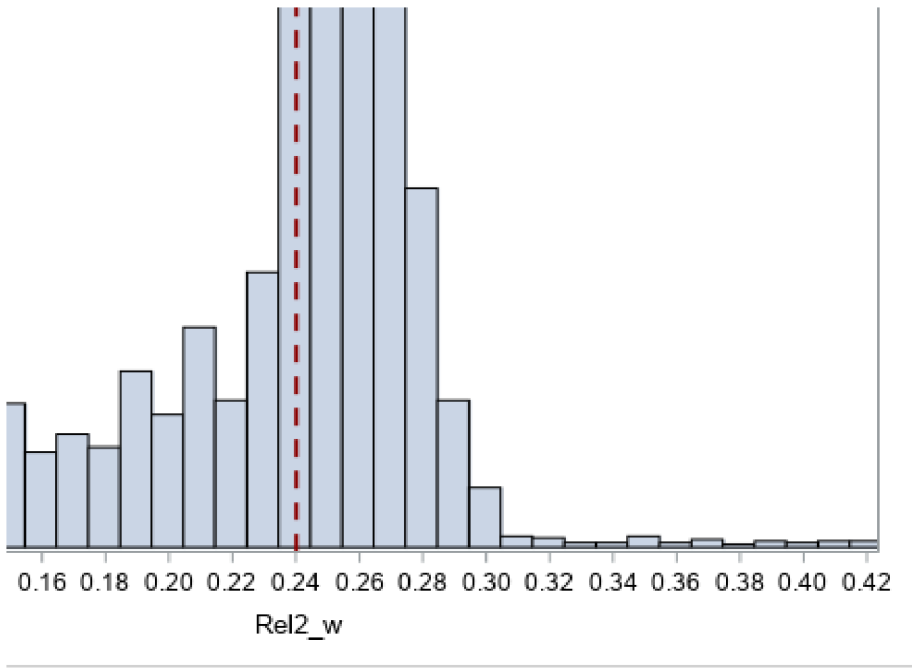


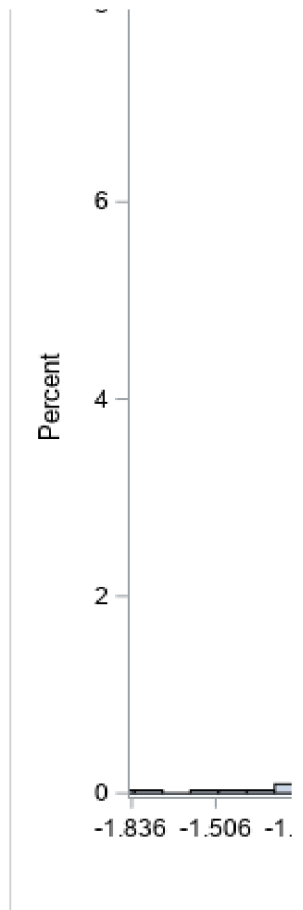
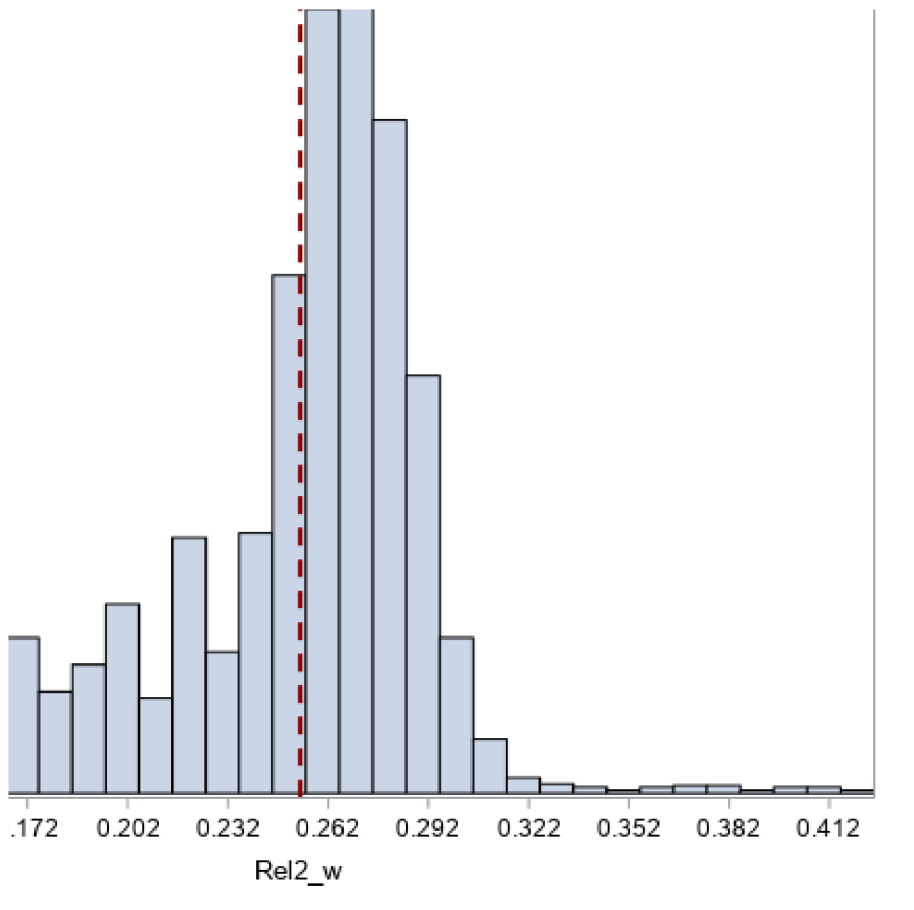


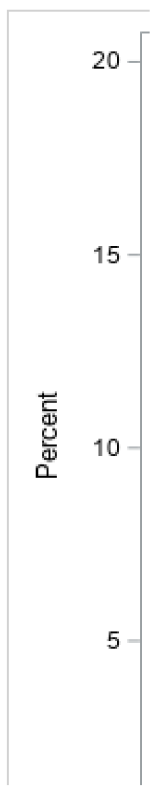
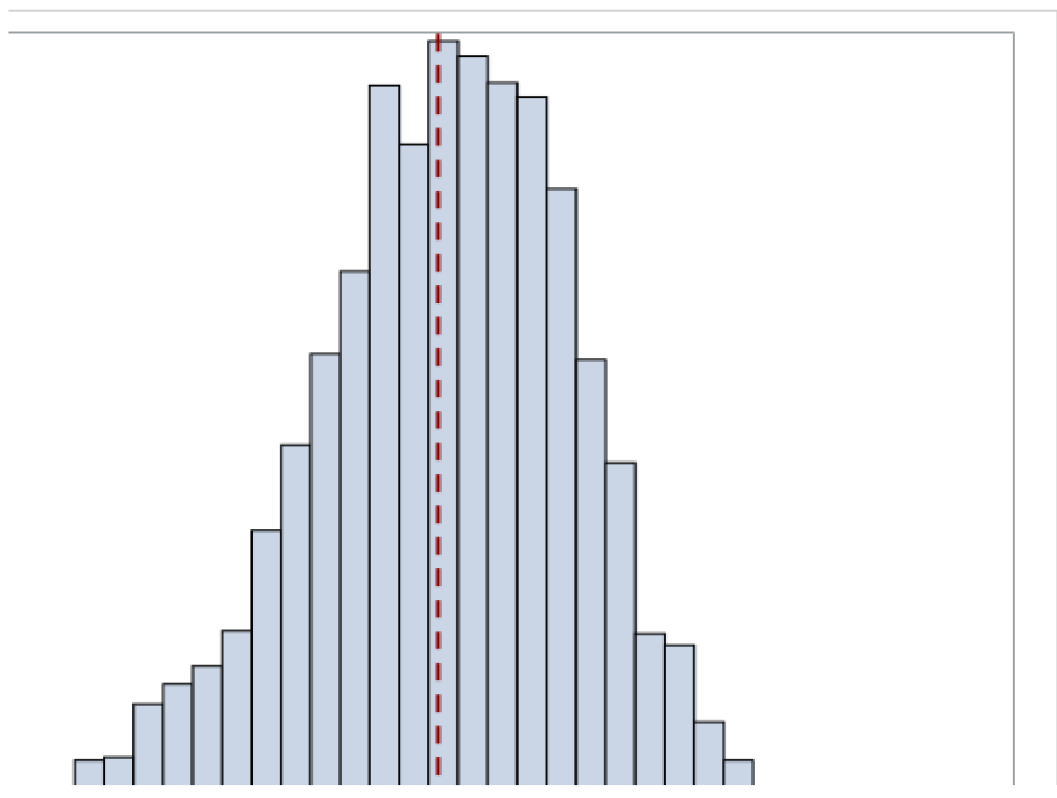
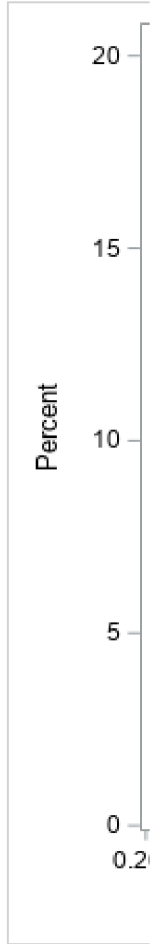
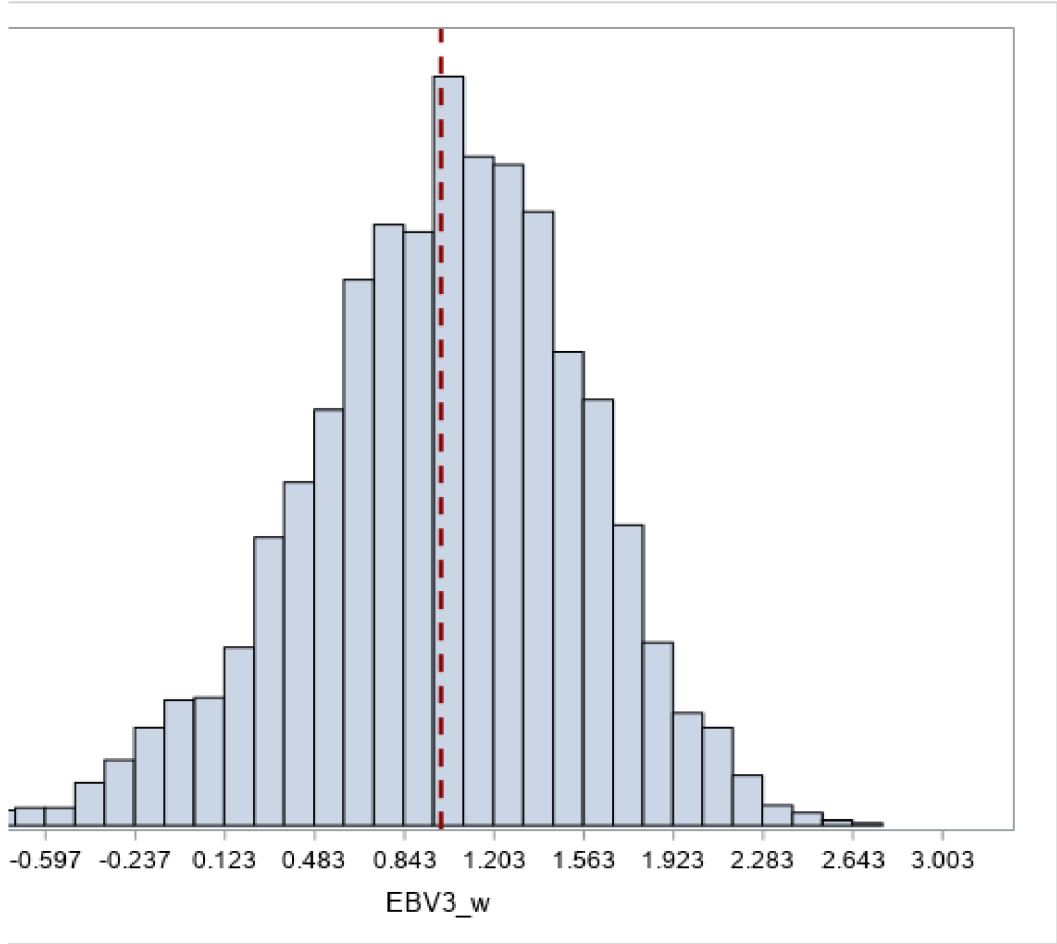


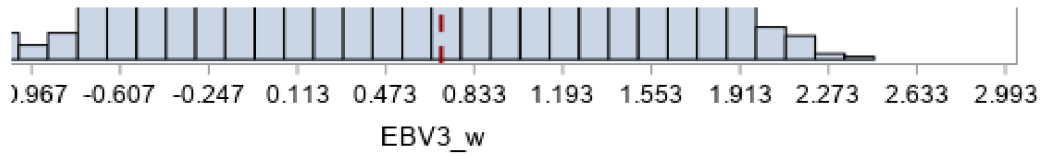




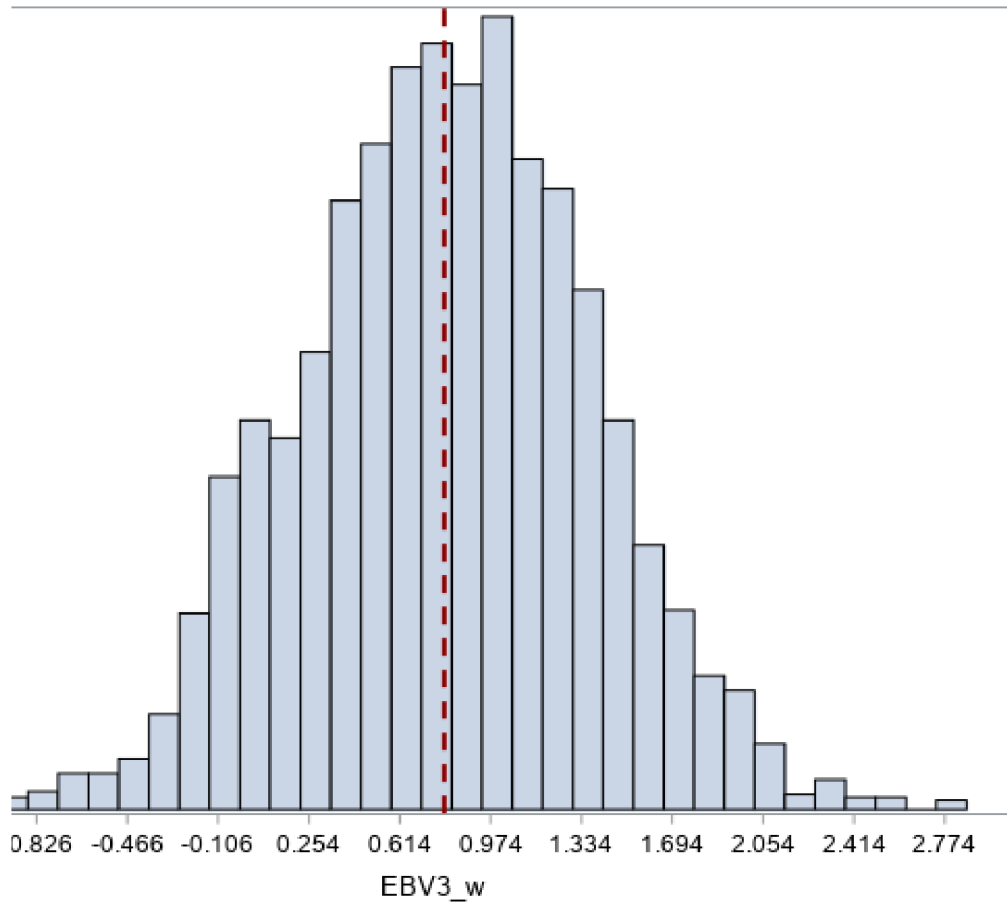




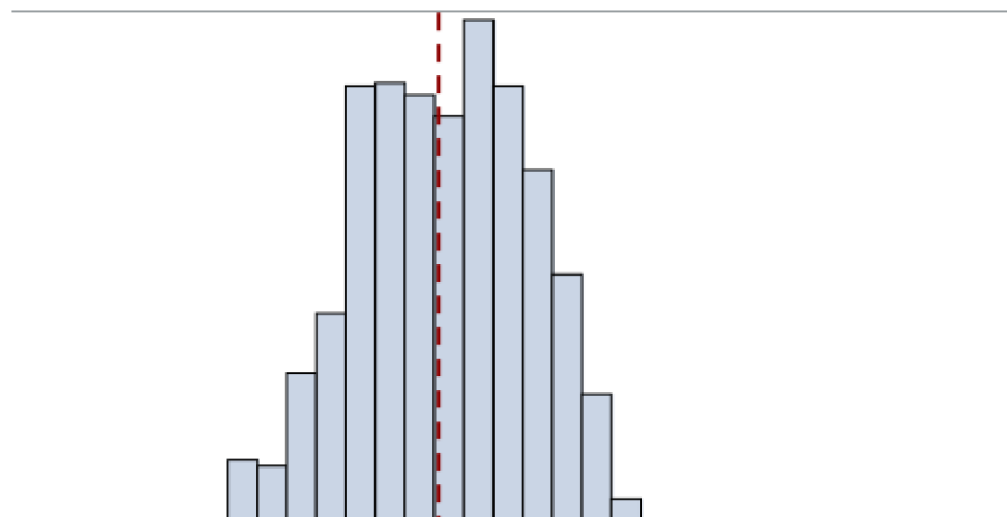


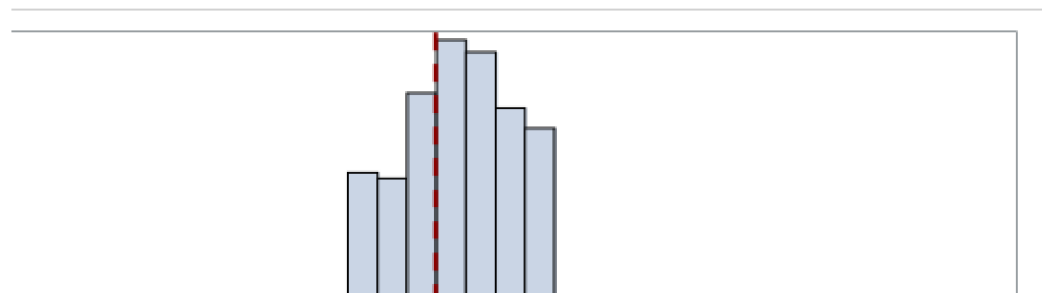
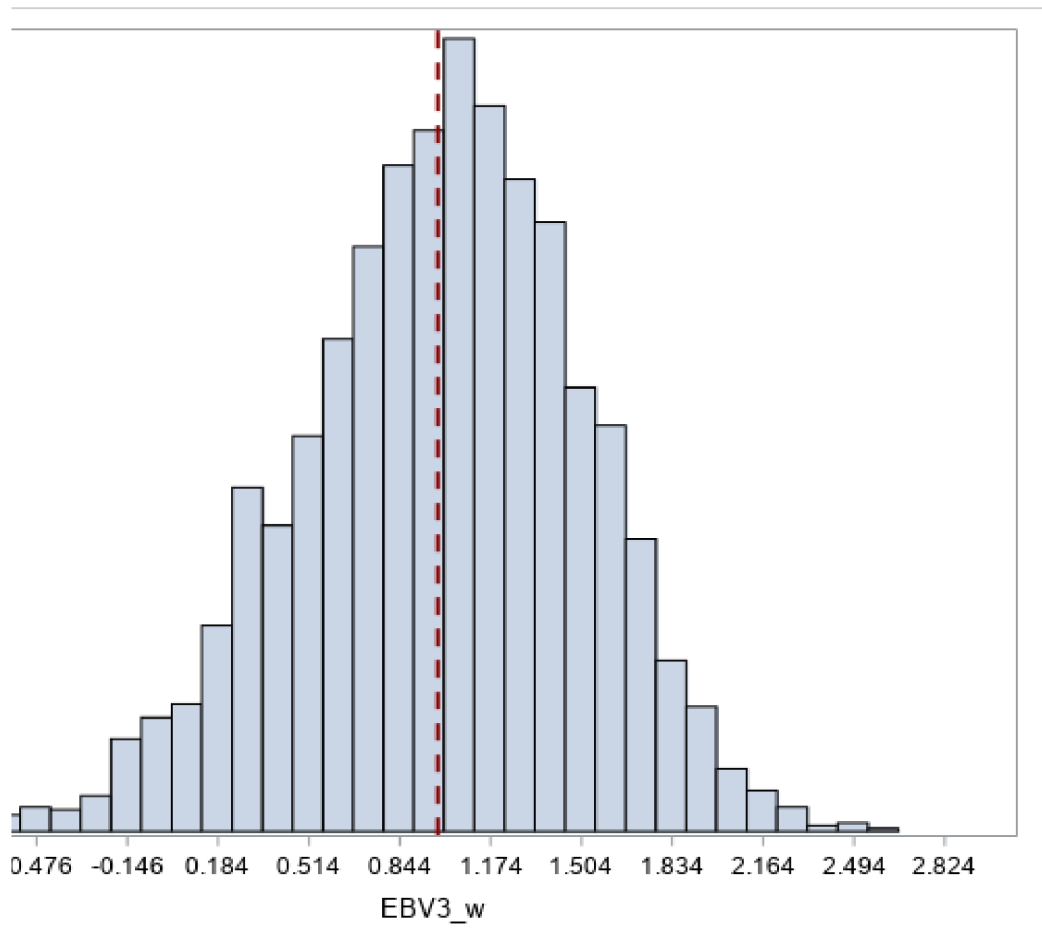
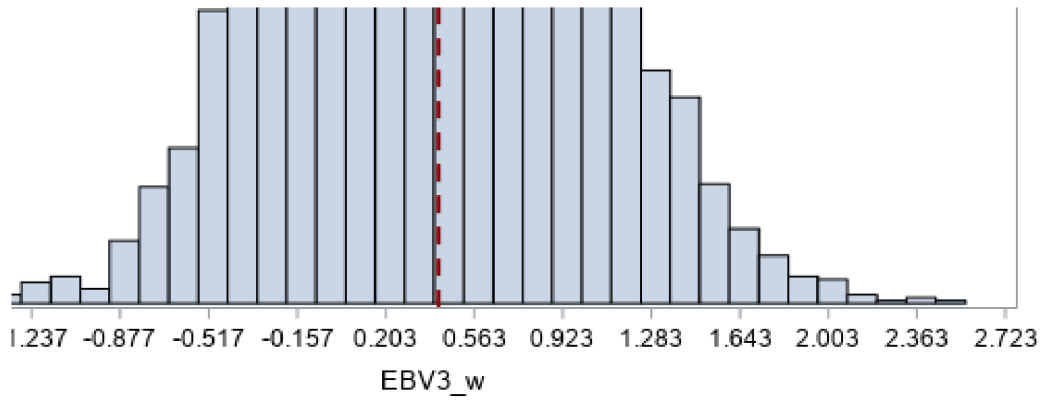


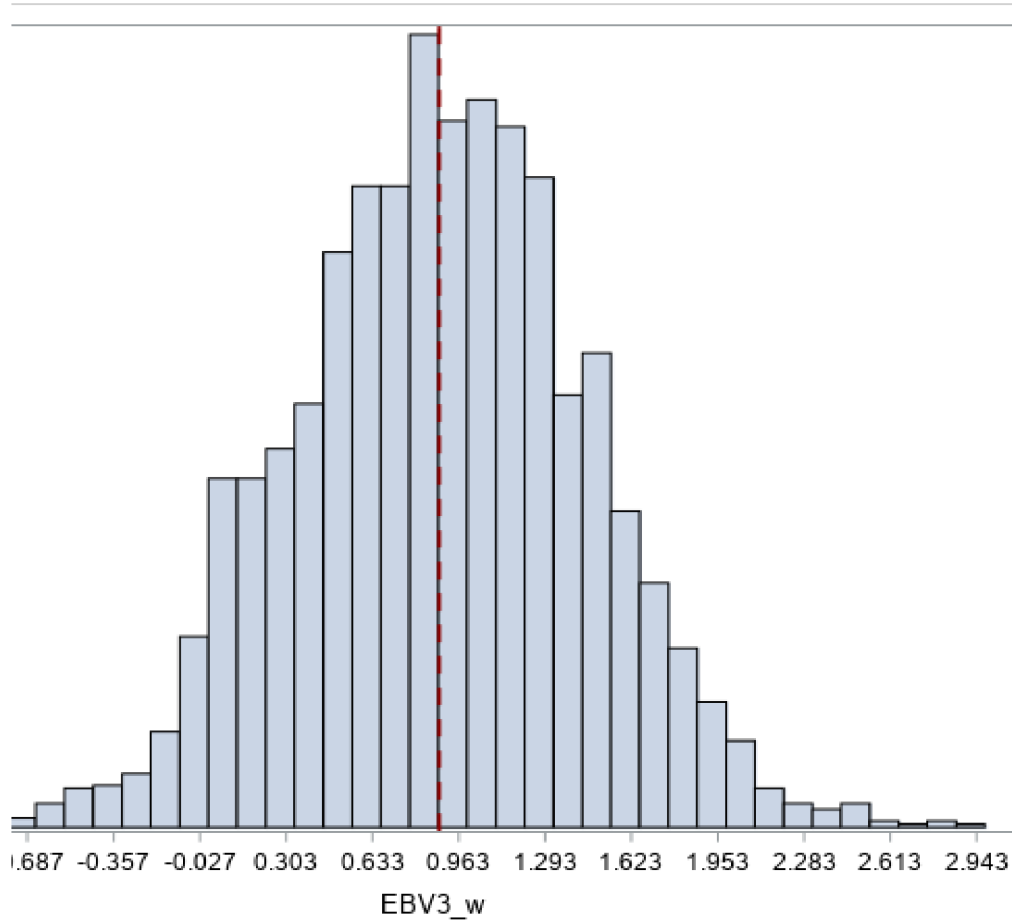
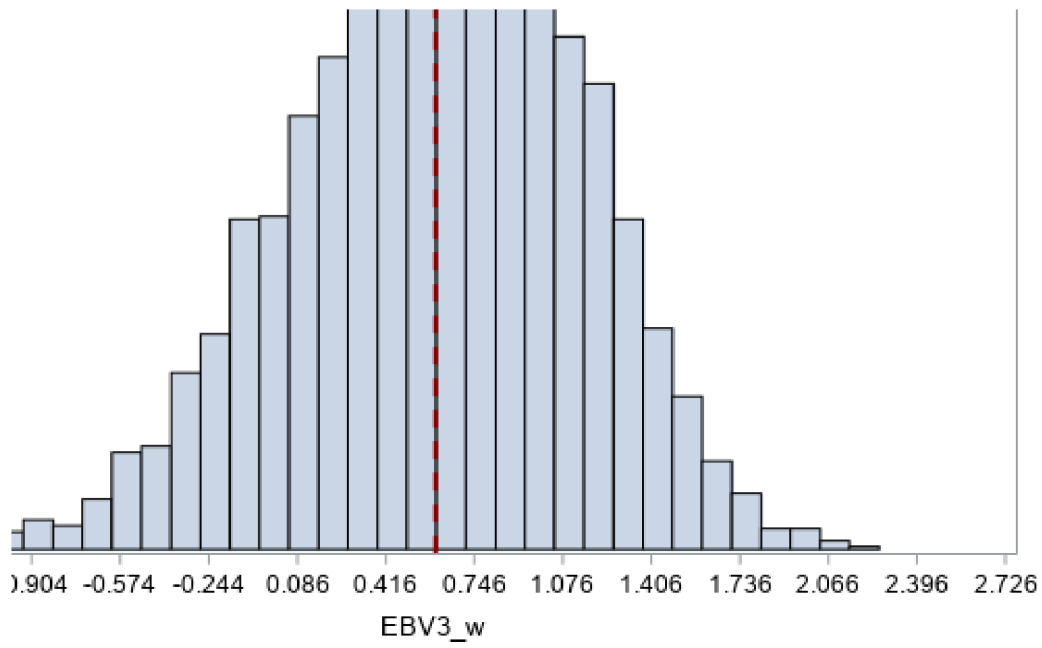
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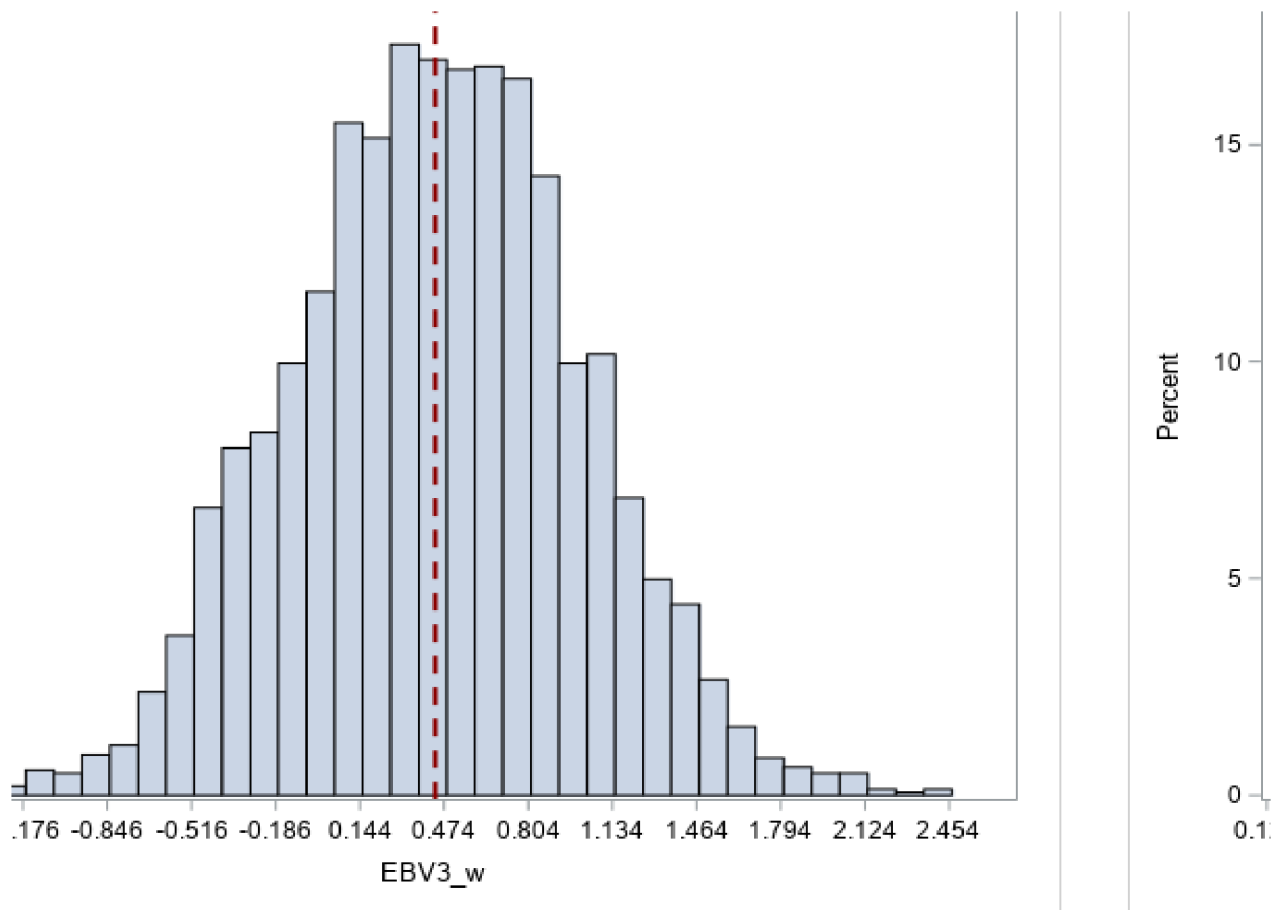
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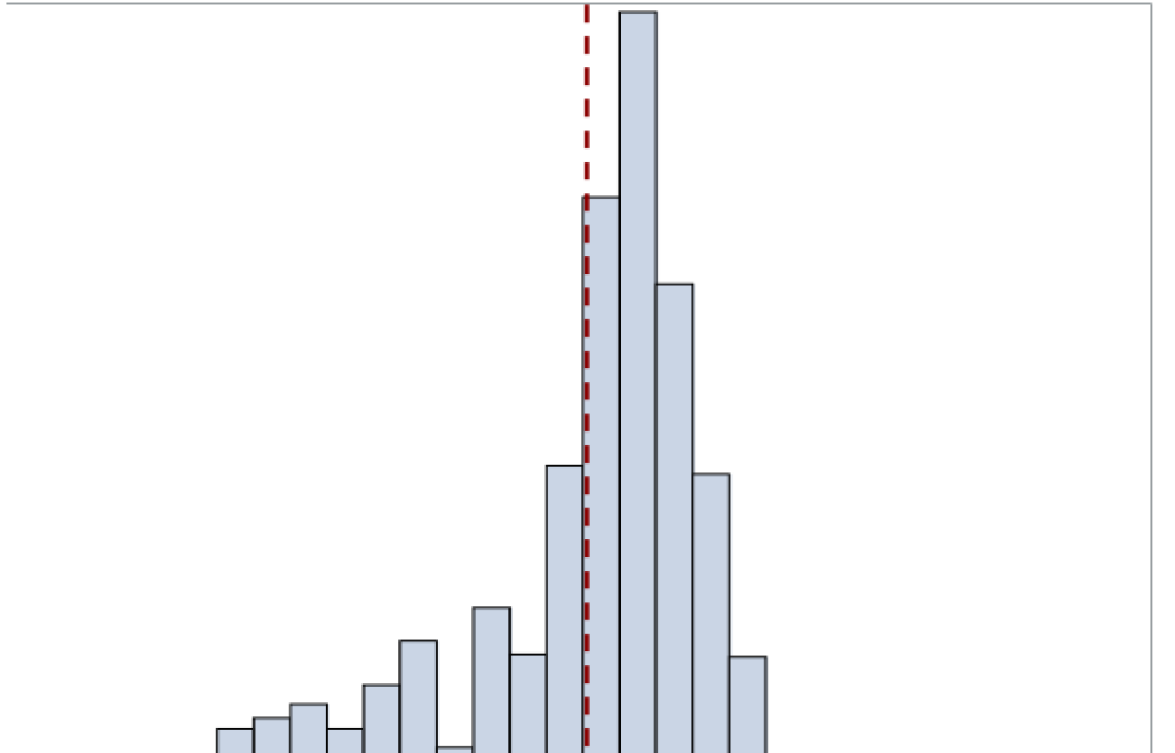
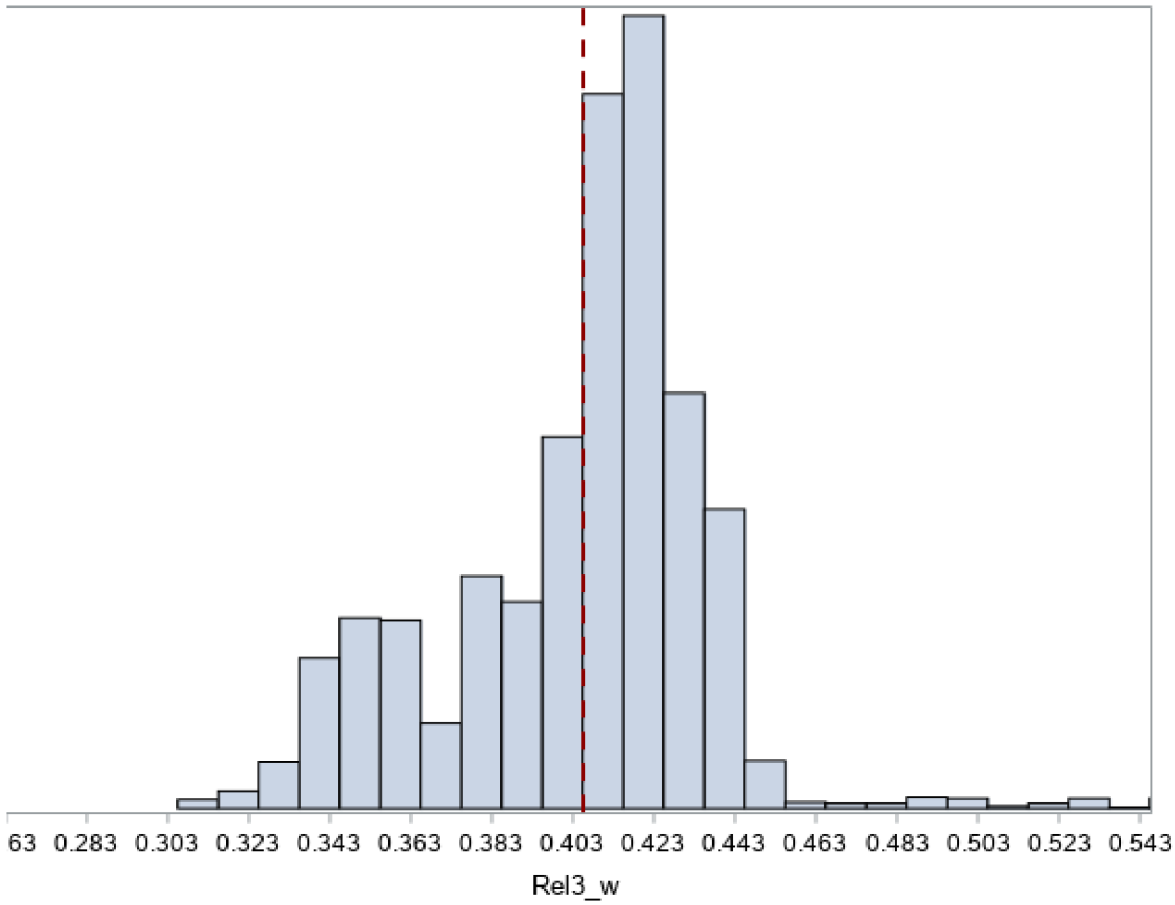


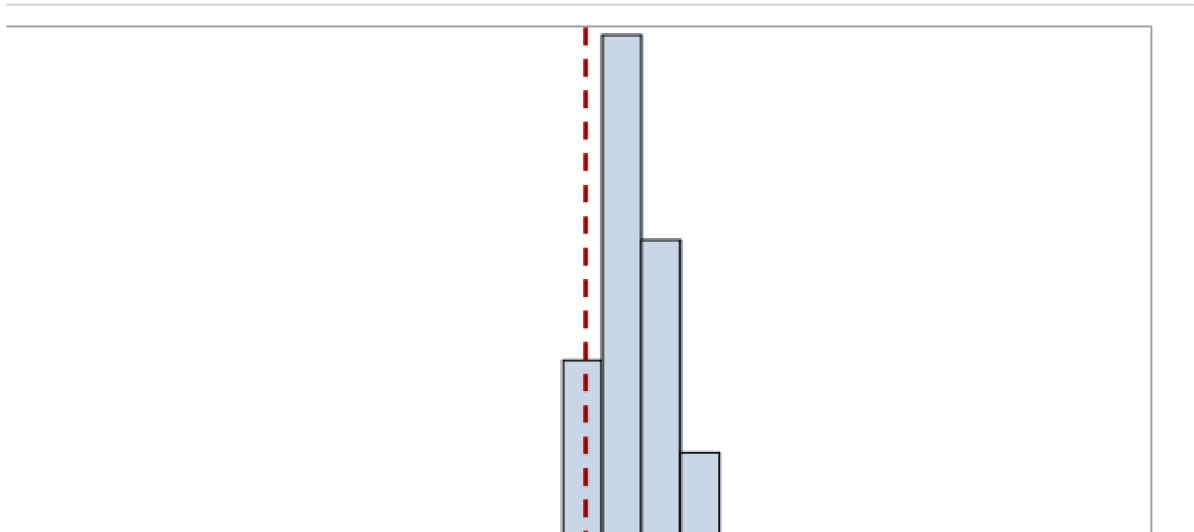
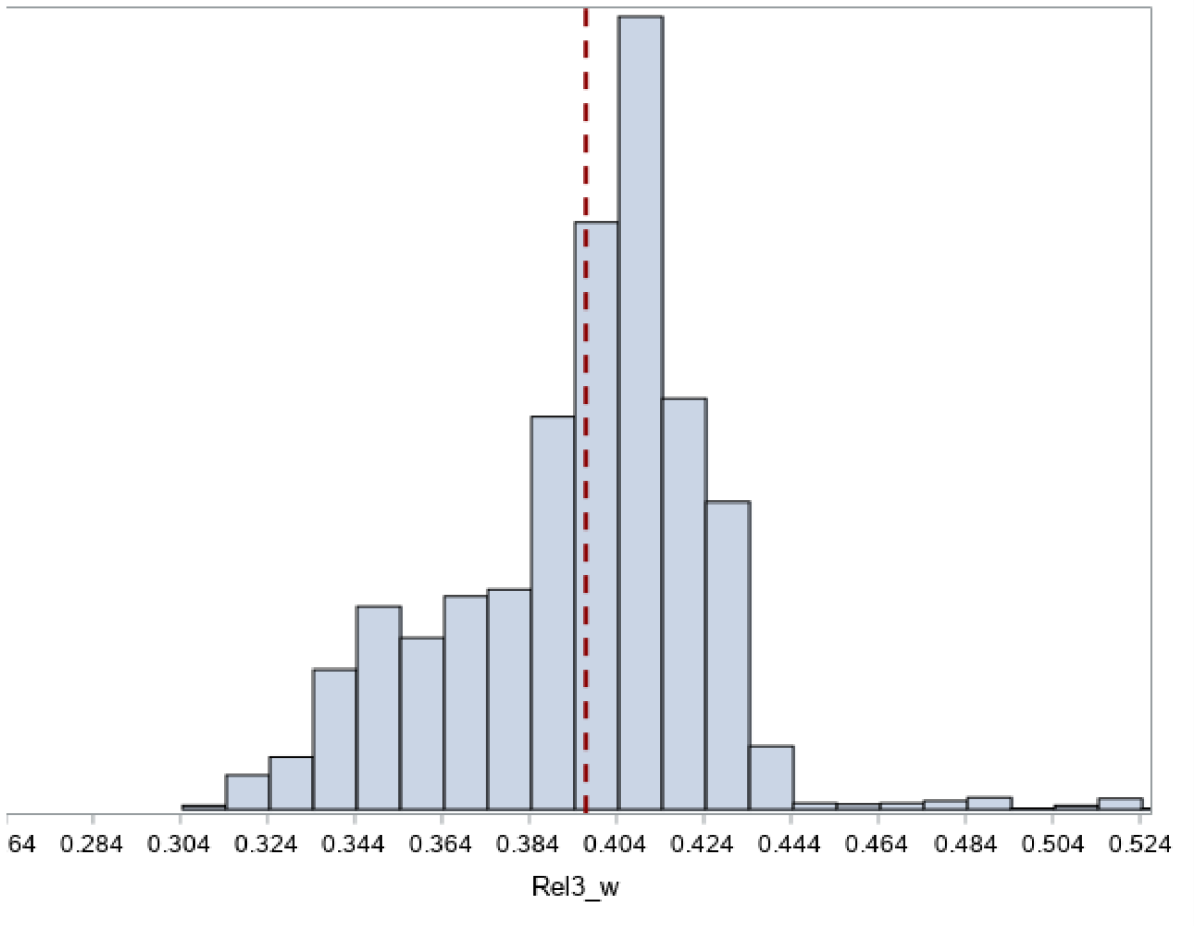
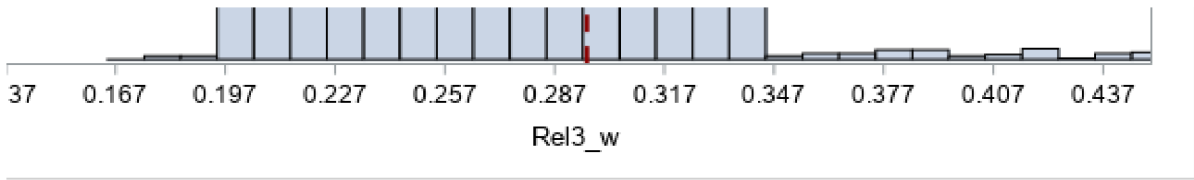


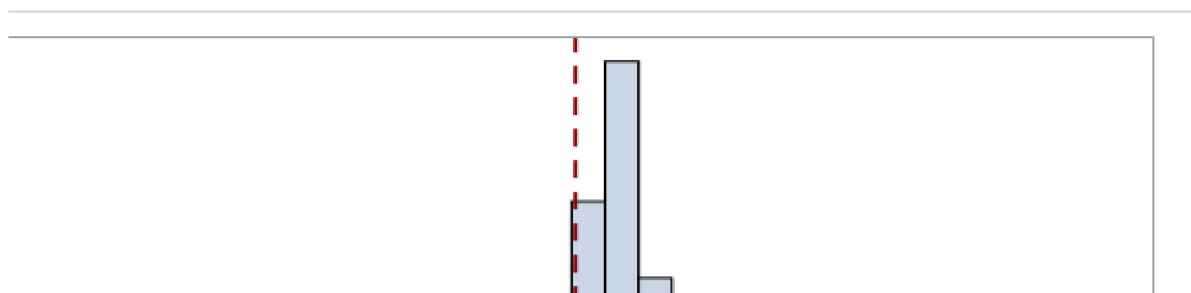
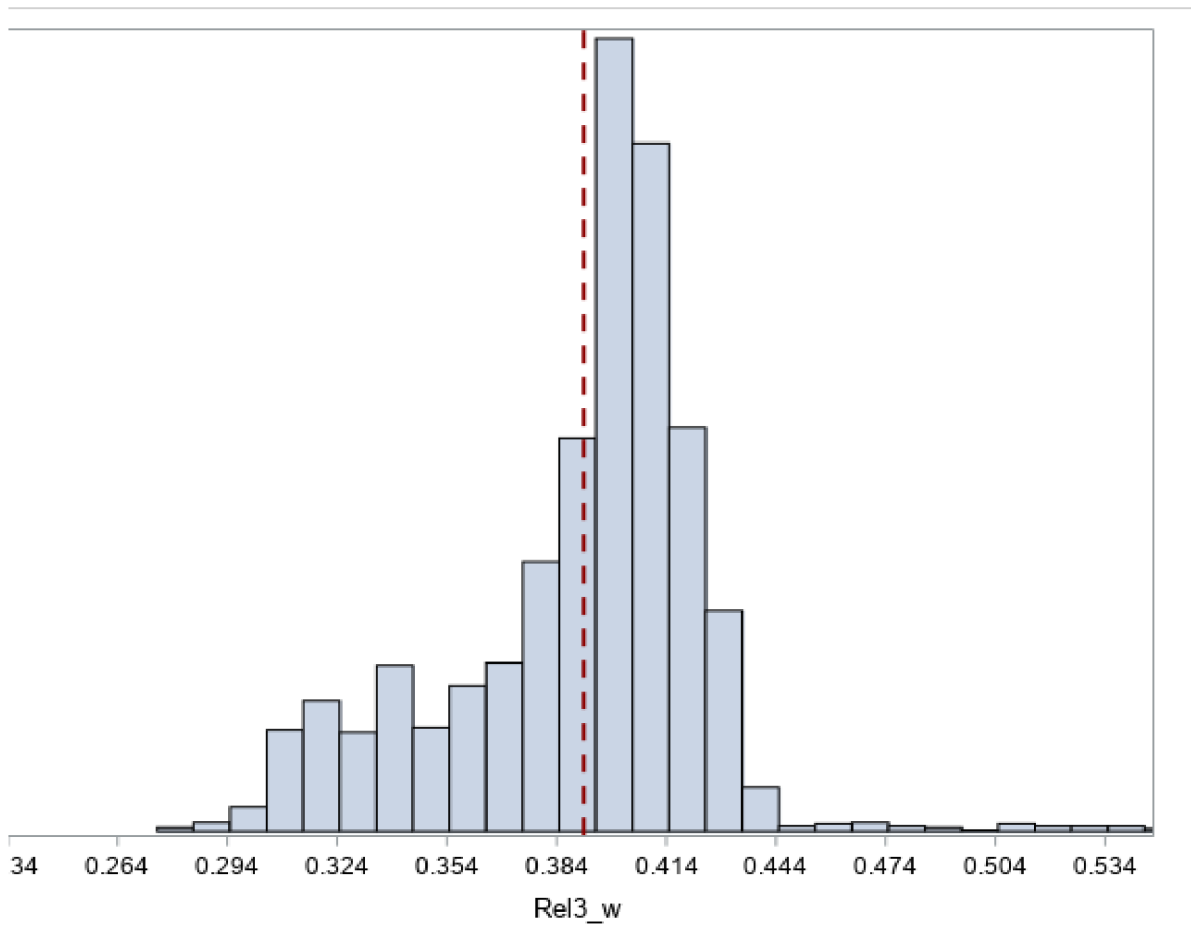
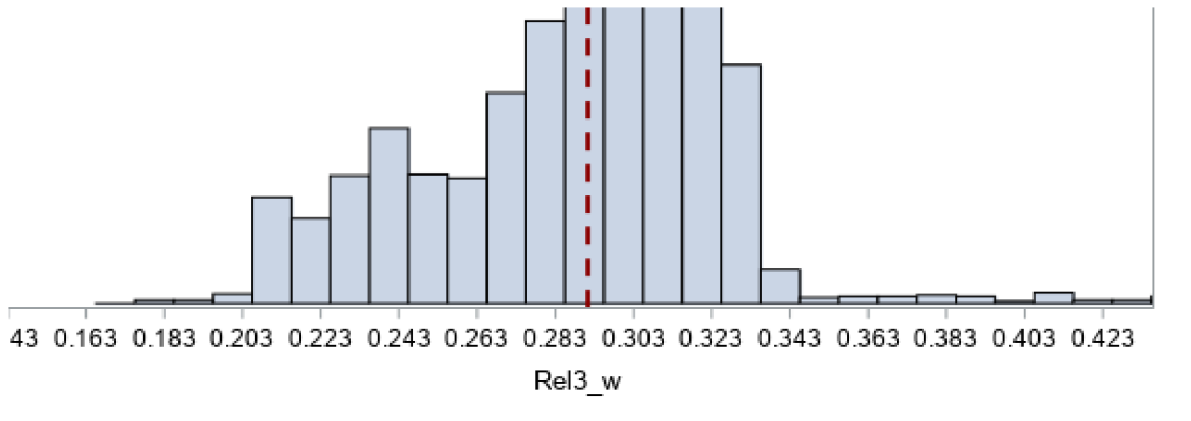


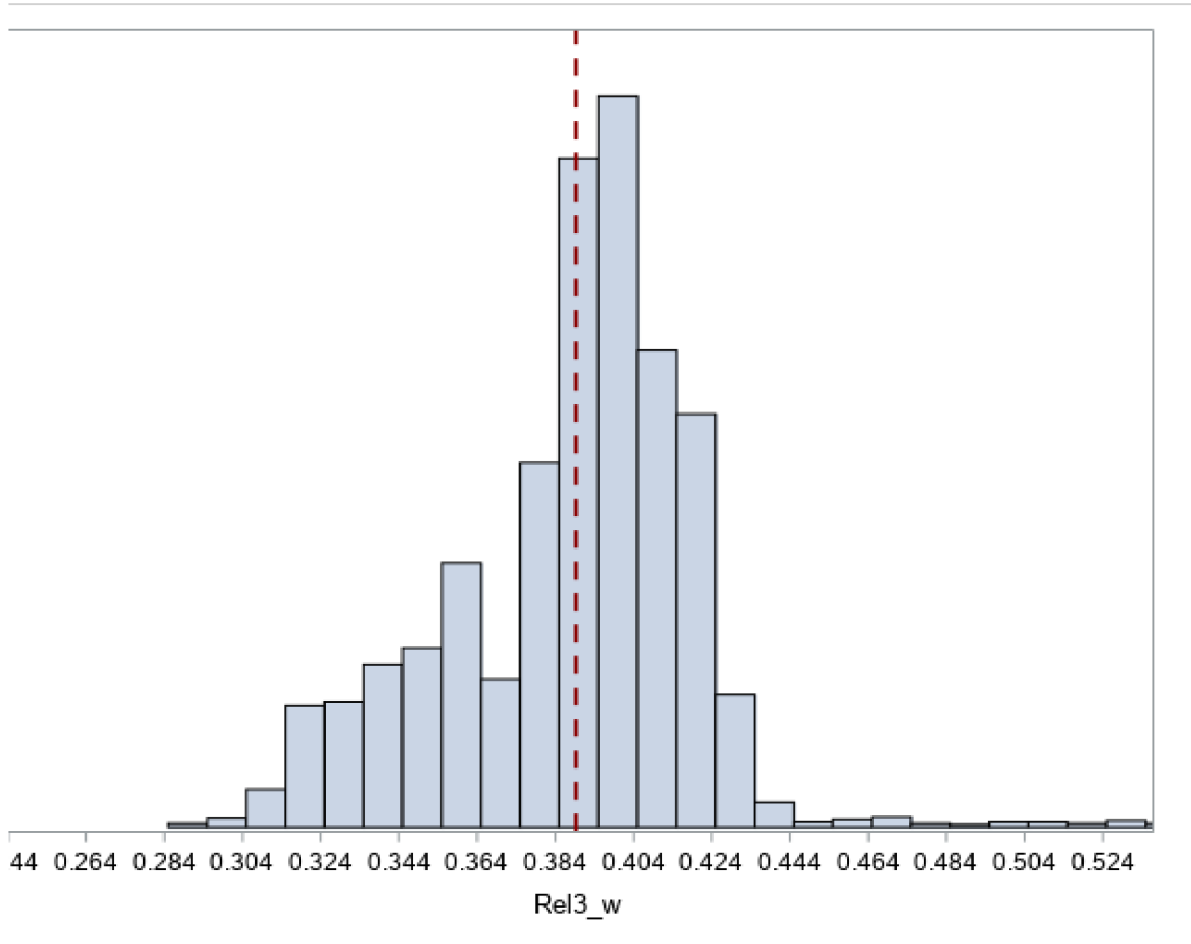
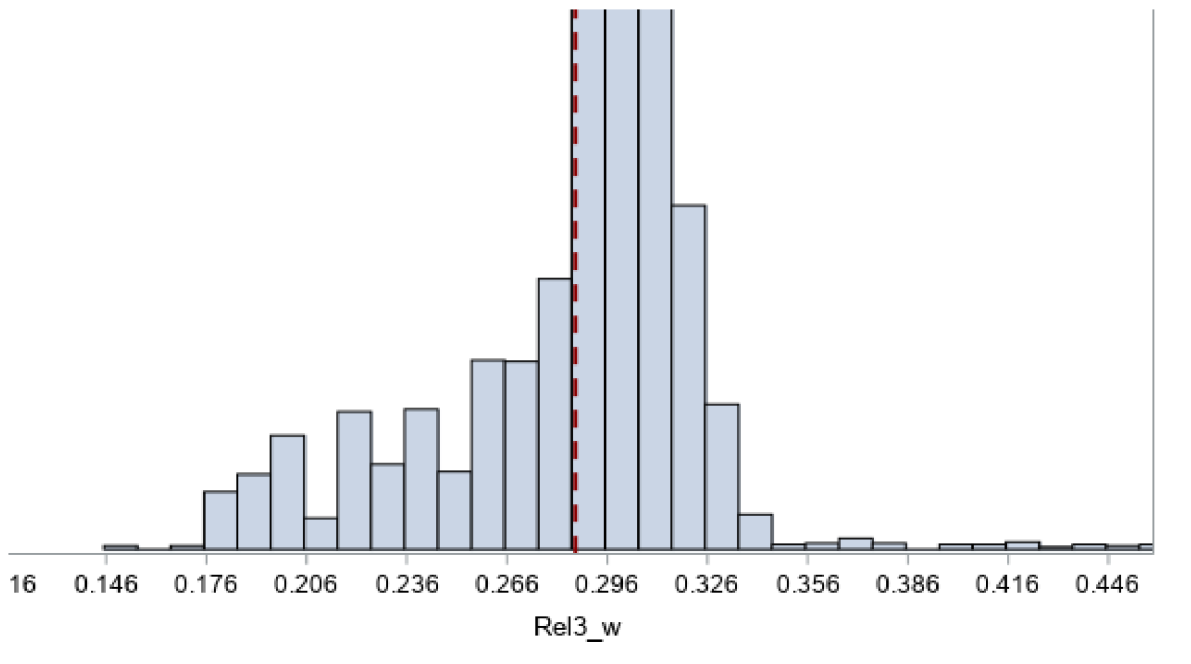
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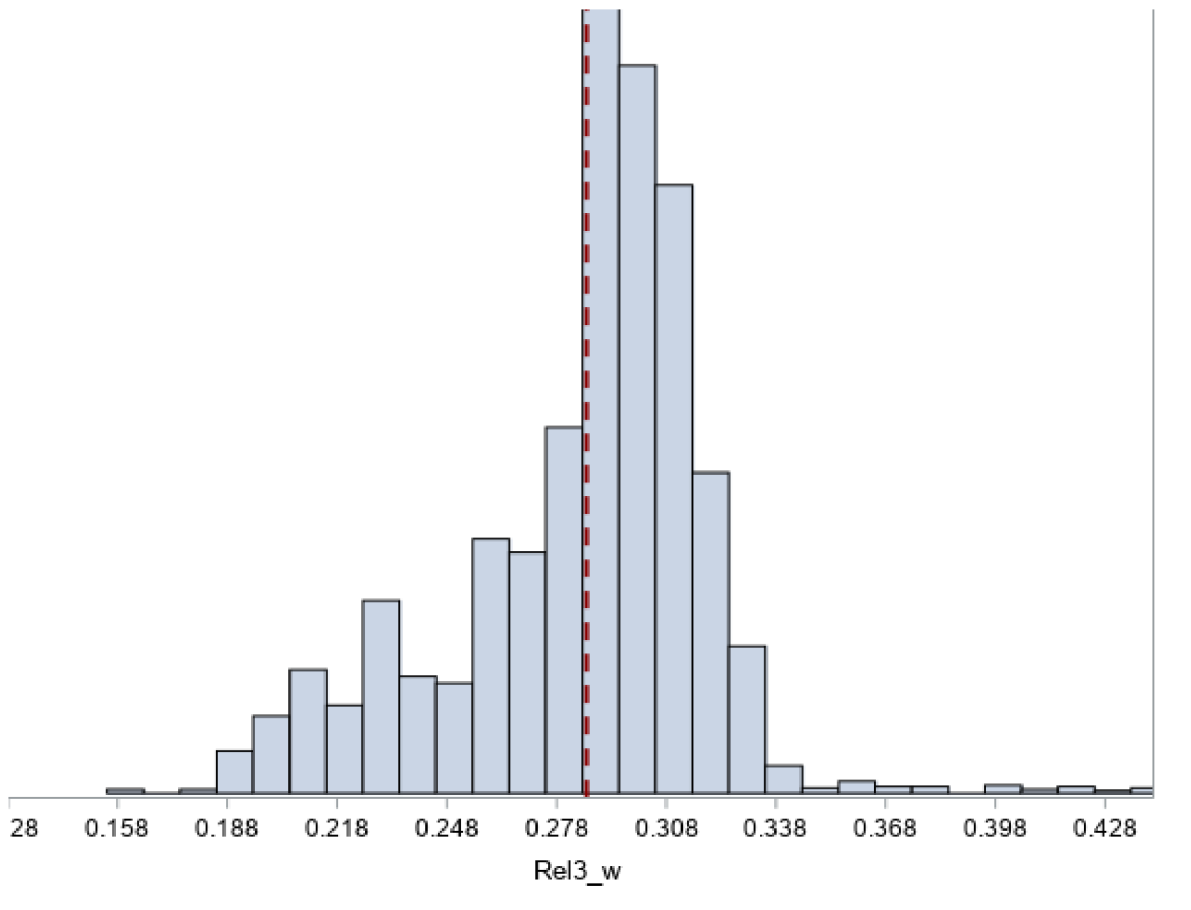






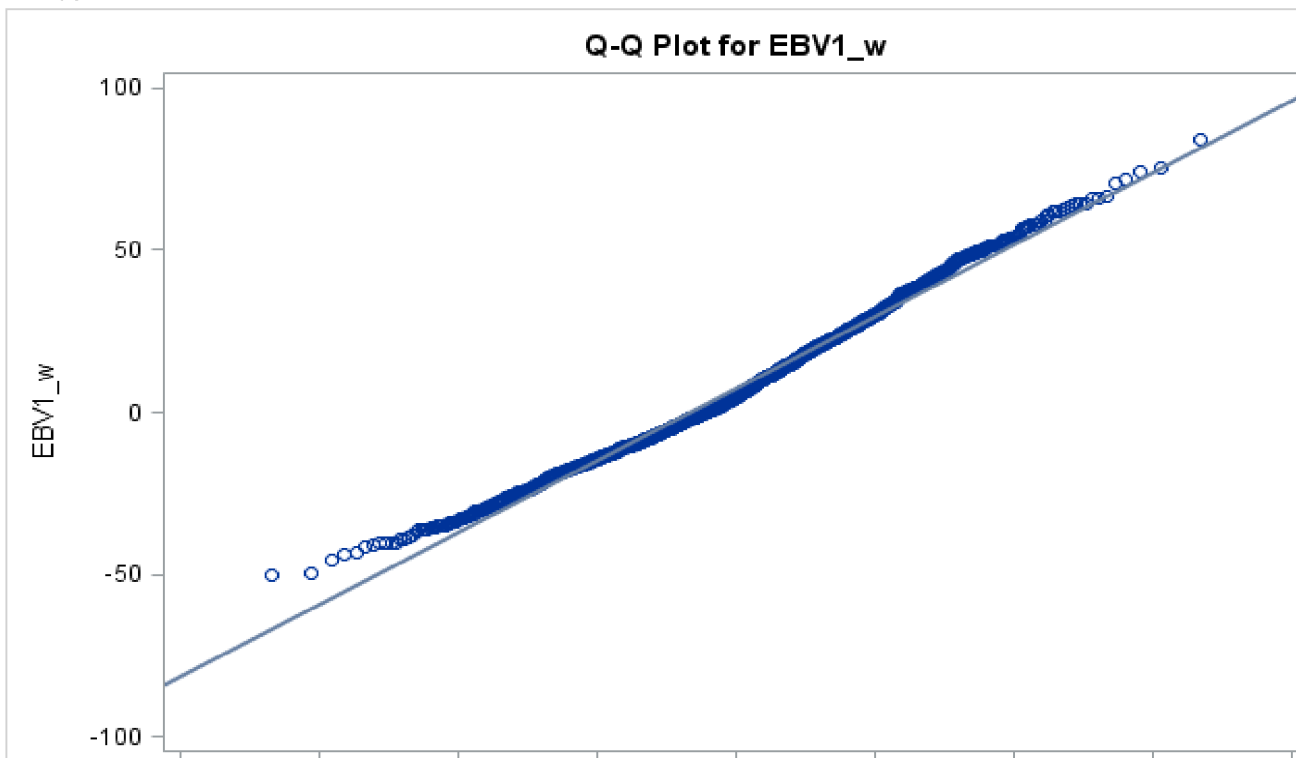


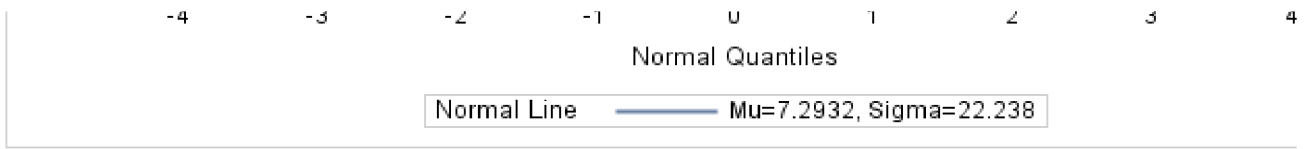




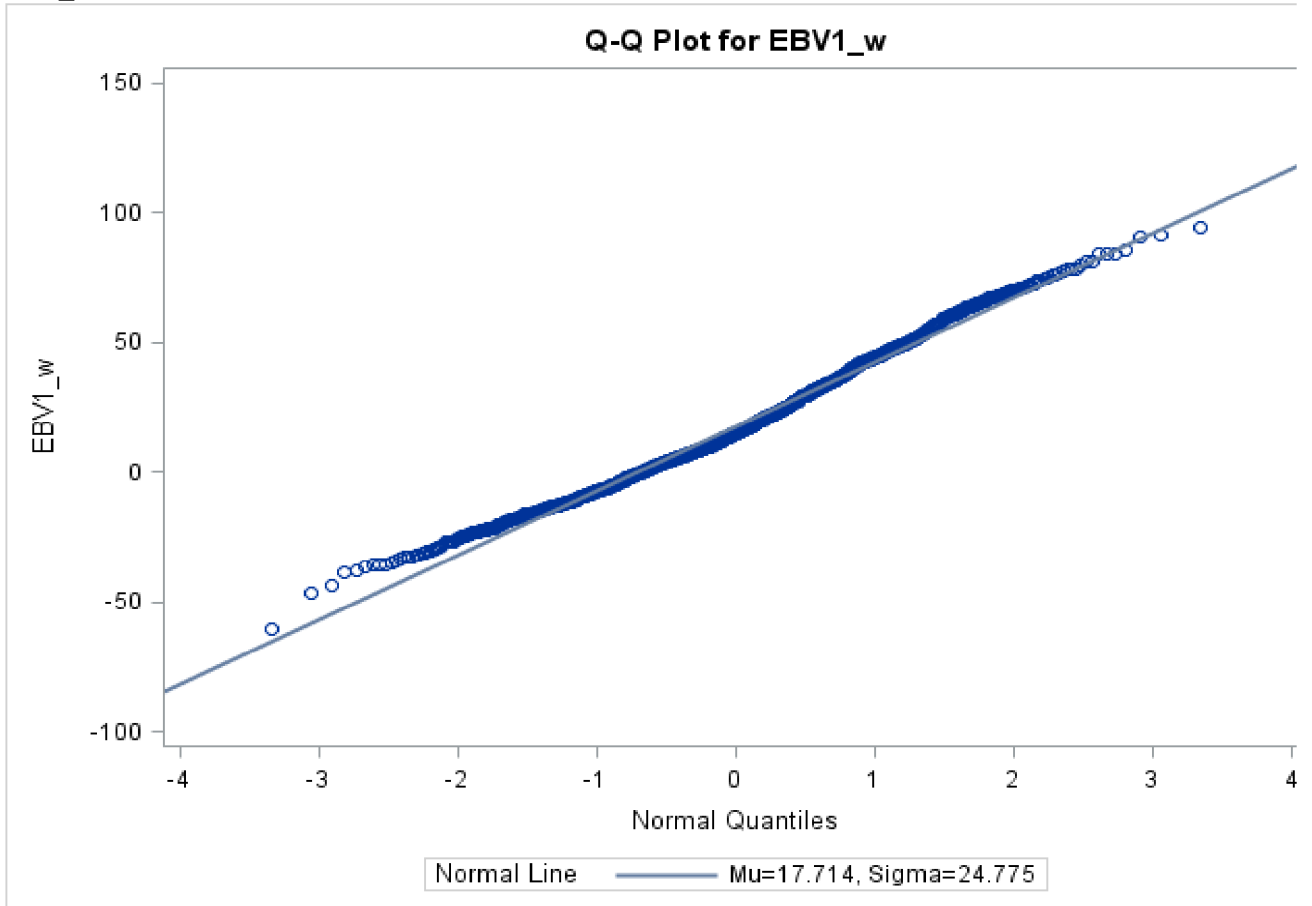
model	poznámka	vlastnost	n	var(A)	$\mu_{p,w}$	$\mu_{p,w} / sd(A)$	$b_{w,p}$
A1		ADG		966.20	-1.72	-0.06	
		BF	1473	0.13	-0.02	-0.07	0.06
		MD		2.53	-0.11	-0.07	
A1_UPG		ADG		966.20	-3.27	-0.11	
		BF	1473	0.13	0.00	0.00	0.11
		MD		2.53	-0.19	-0.12	
A2		ADG		998.00	-1.82	-0.06	
		BF	1473	0.15	-0.01	-0.03	0.06
		MD		2.84	-0.12	-0.07	
A2_UPG		ADG		998.00	-3.59	-0.11	
		BF	1473	0.15	0.01	0.04	0.12
		MD		2.84	-0.21	-0.13	
G1		ADG		1006.00	-1.44	-0.05	
		BF	1473	0.18	-0.01	-0.02	0.05
		MD		3.34	-0.10	-0.05	
G1_UPG		ADG		1006.00	-3.12	-0.10	
		BF	1473	0.18	0.01	0.03	0.12
		MD		3.34	-0.26	-0.14	
G2		ADG		1052.00	-1.39	-0.04	
		BF	1473	0.19	0.02	0.03	0.06
		MD		3.36	-0.12	-0.07	
G2_UPG		ADG		1052.00	-3.63	-0.11	
		BF	1473	0.19	0.03	0.08	0.14
		MD		3.36	-0.31	-0.17	

A1

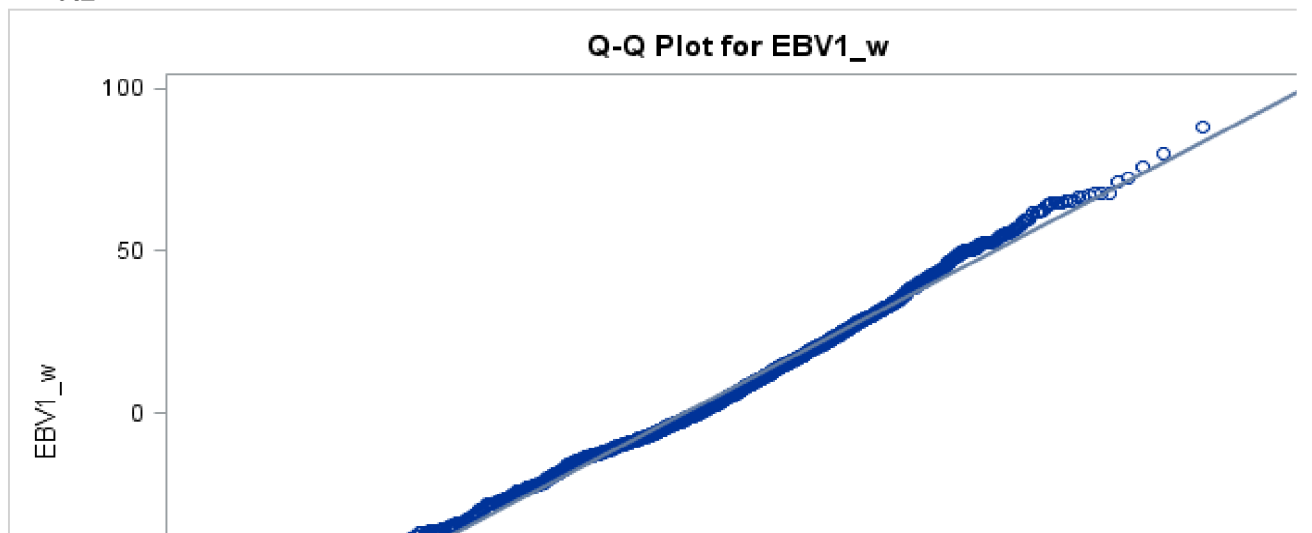


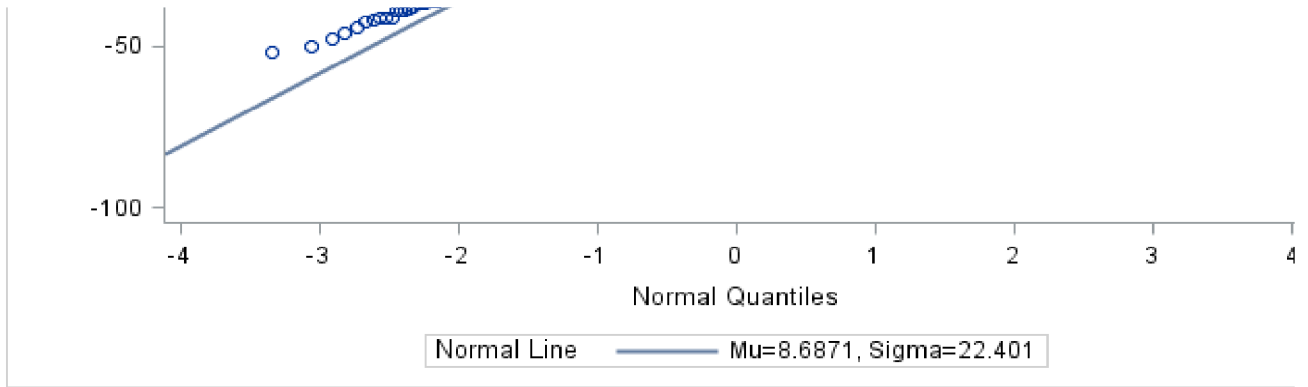


A1_UPG

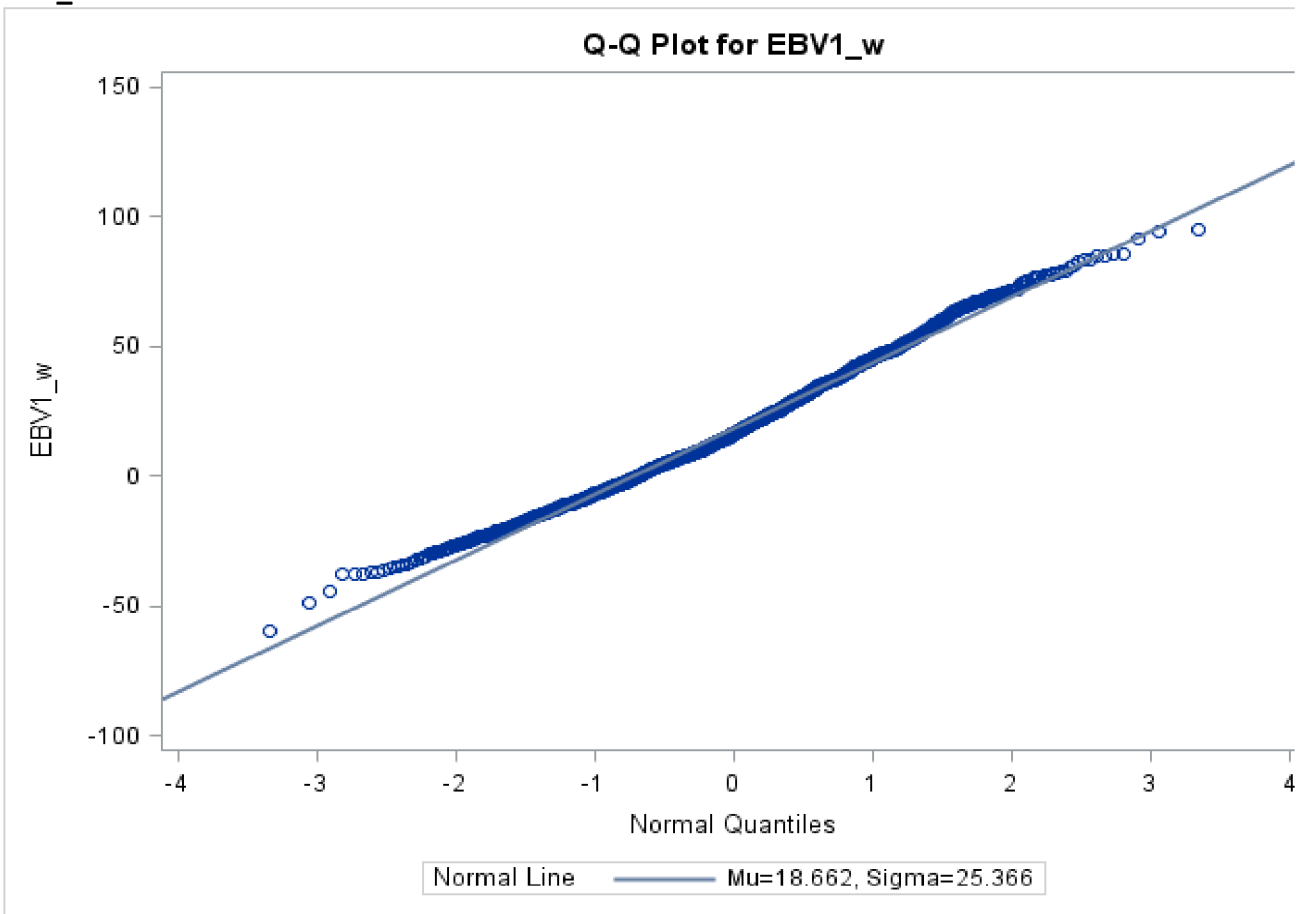


A2

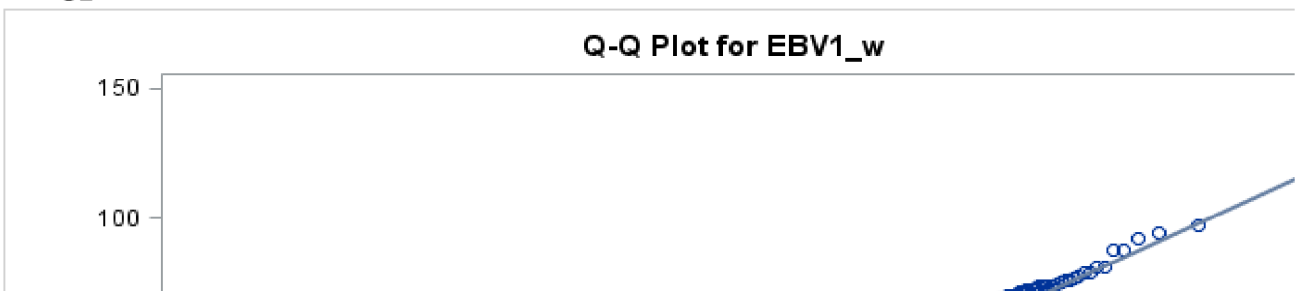


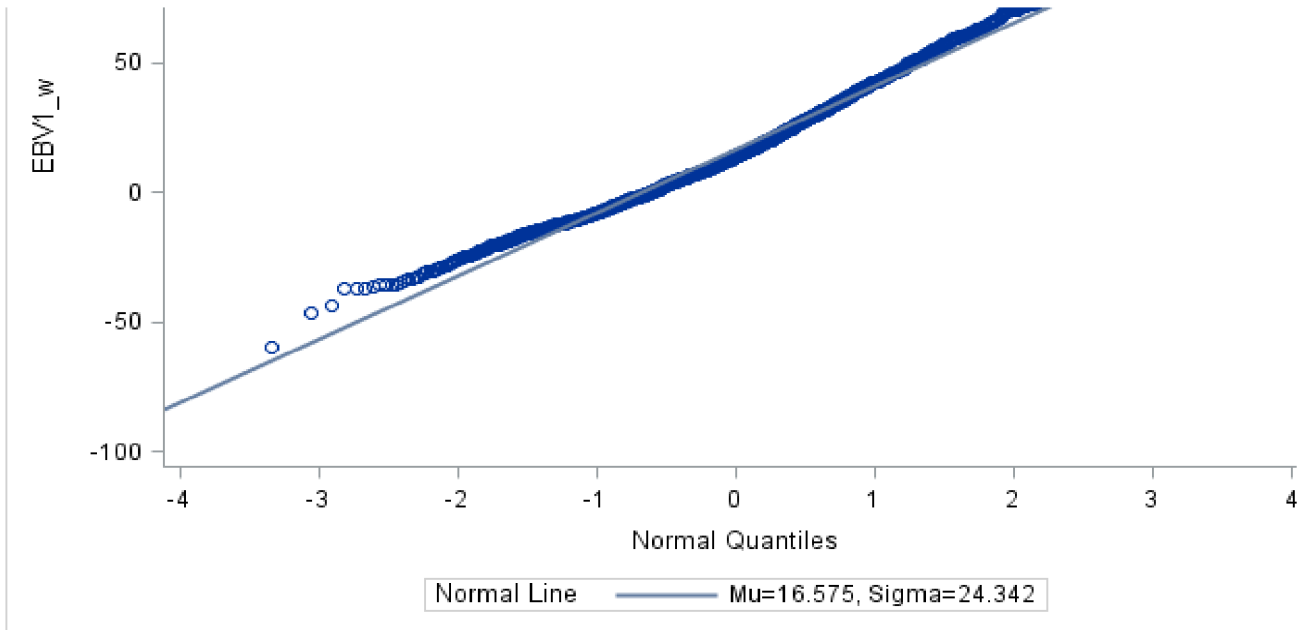


A2_UPG

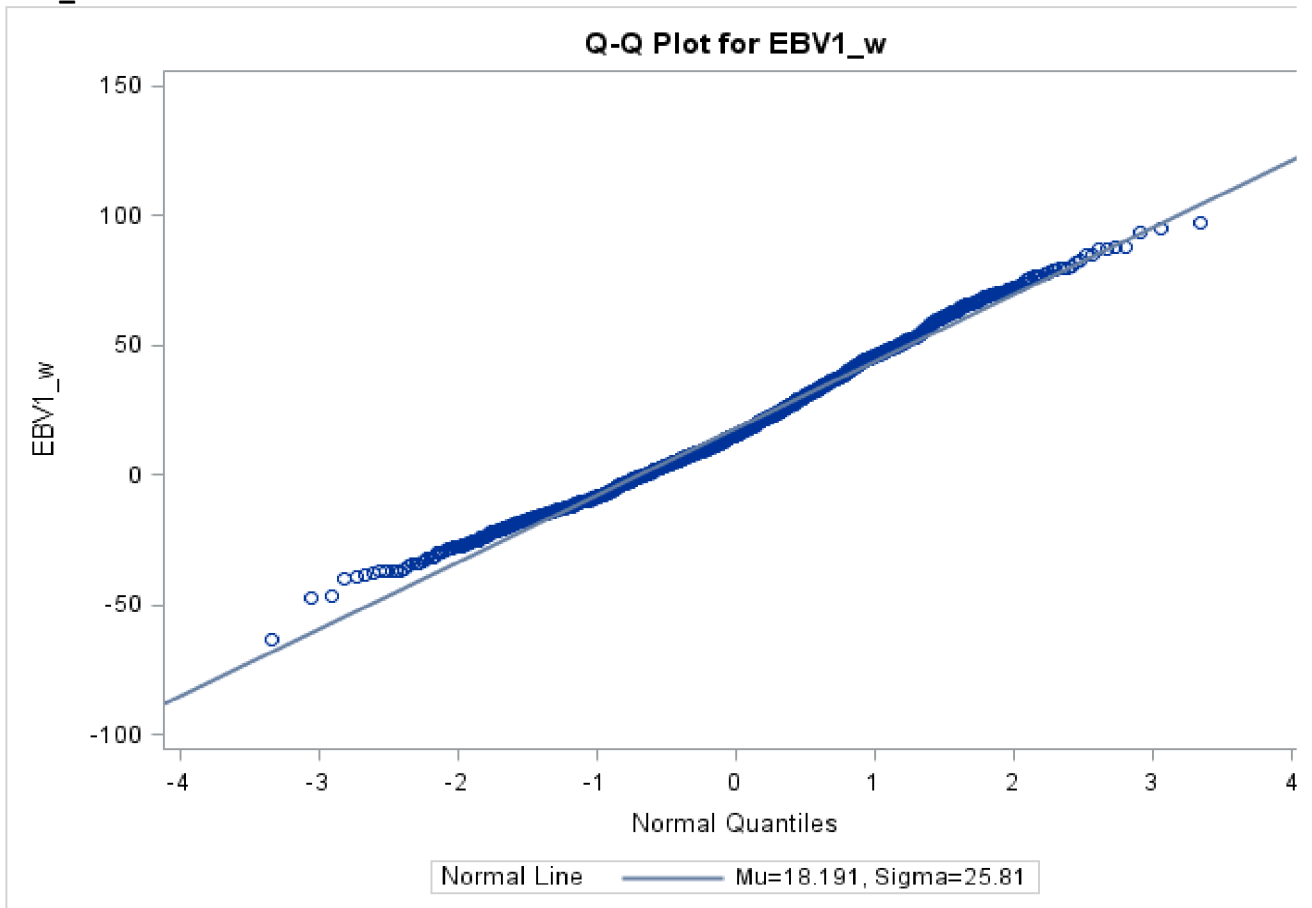


G1

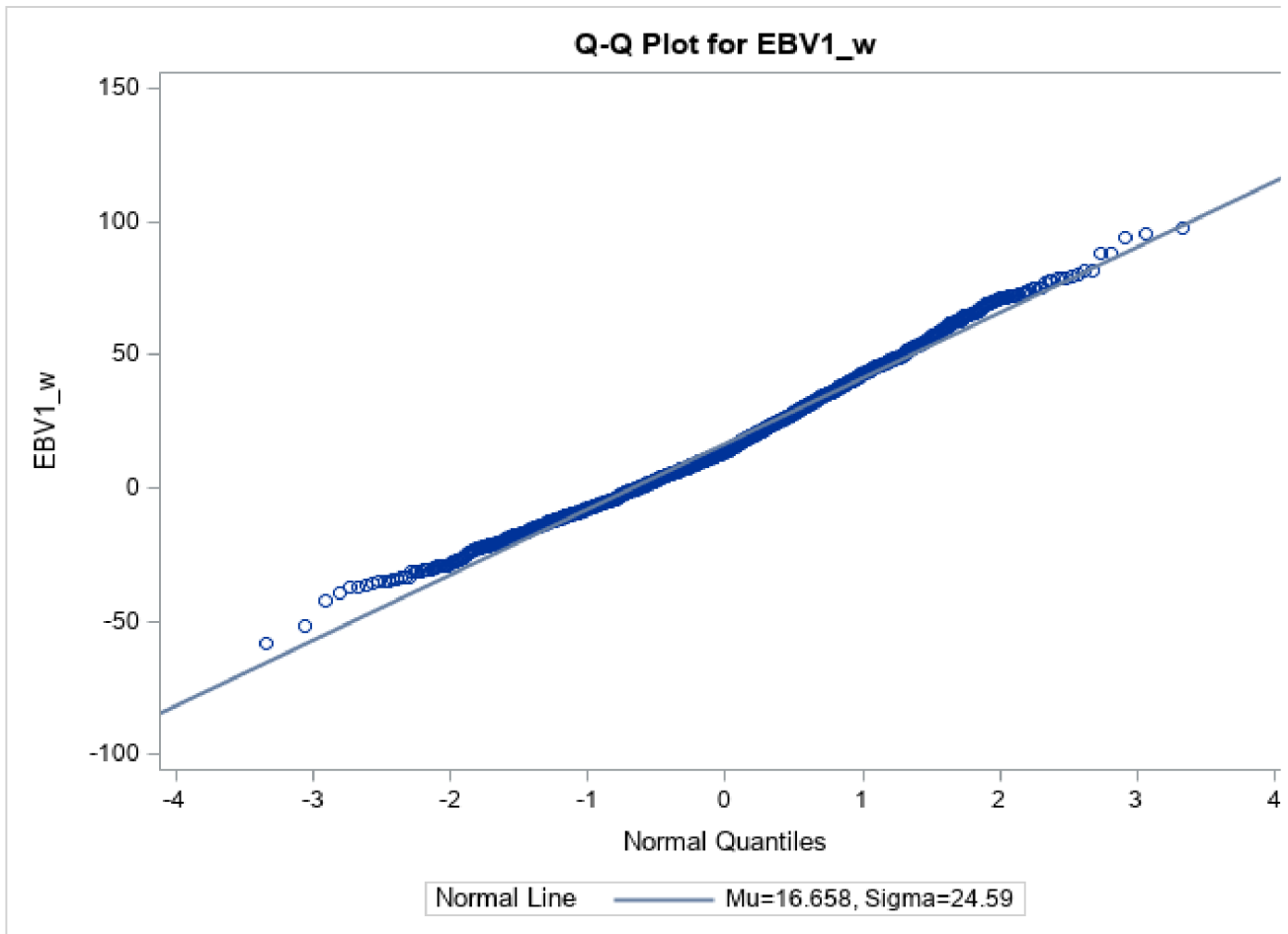




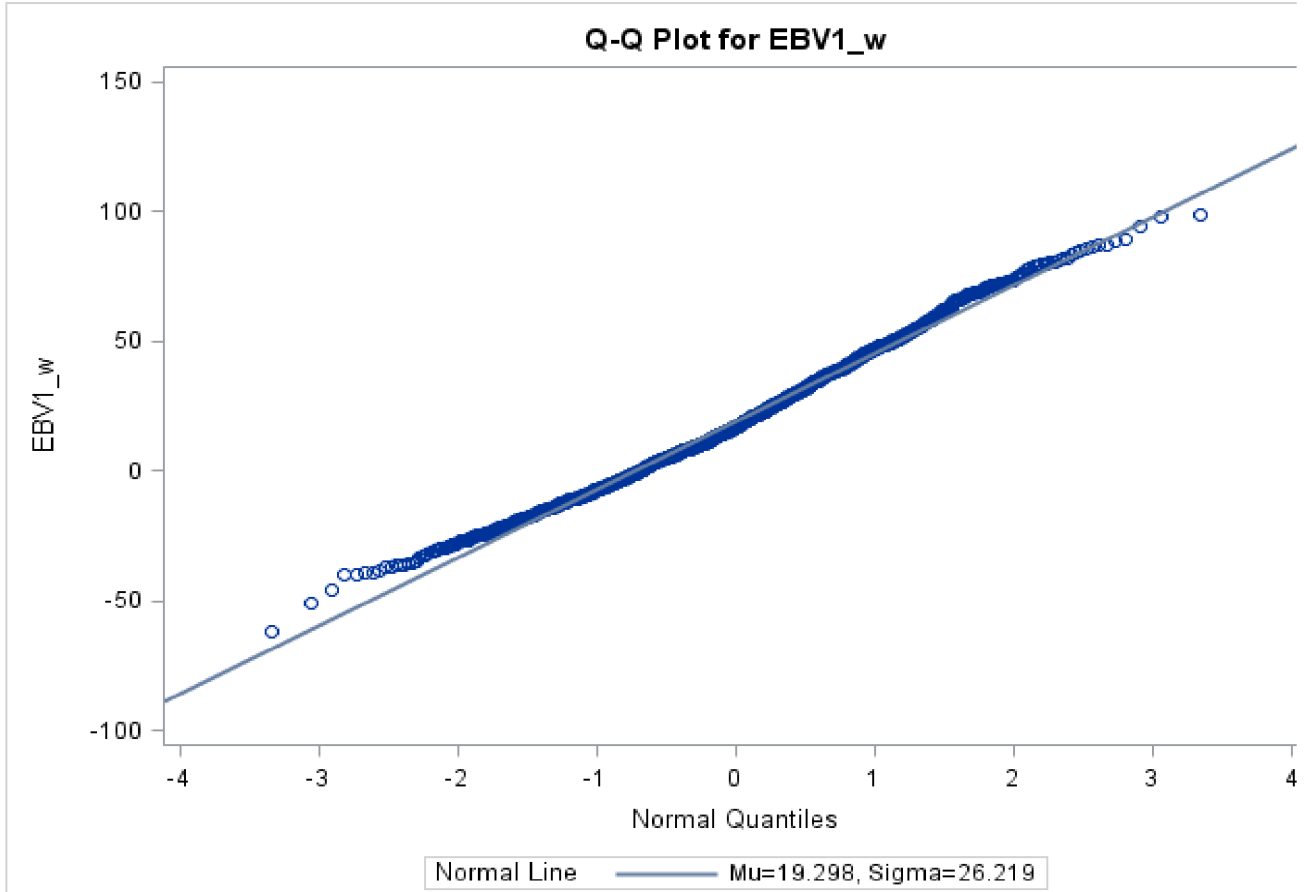
G1_UPG



G2

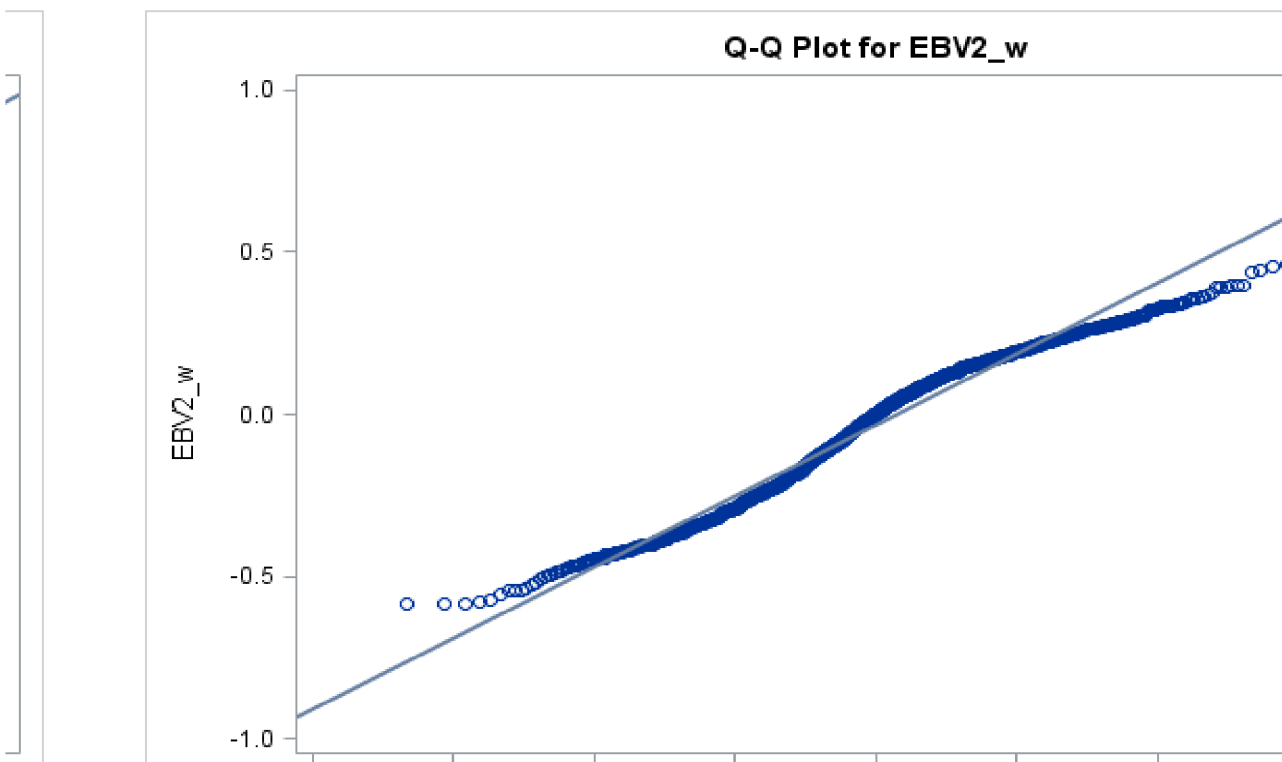


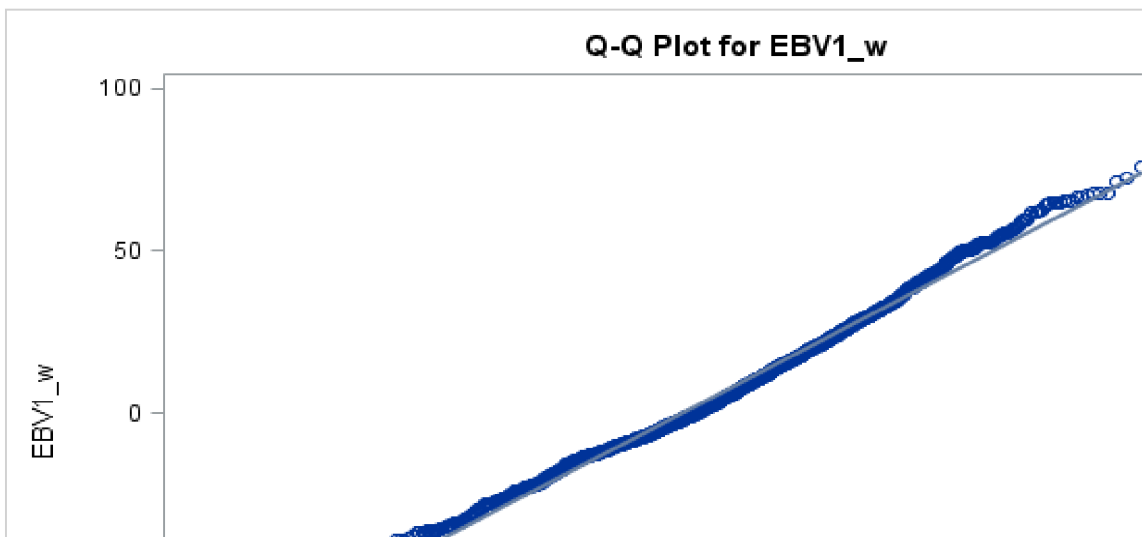
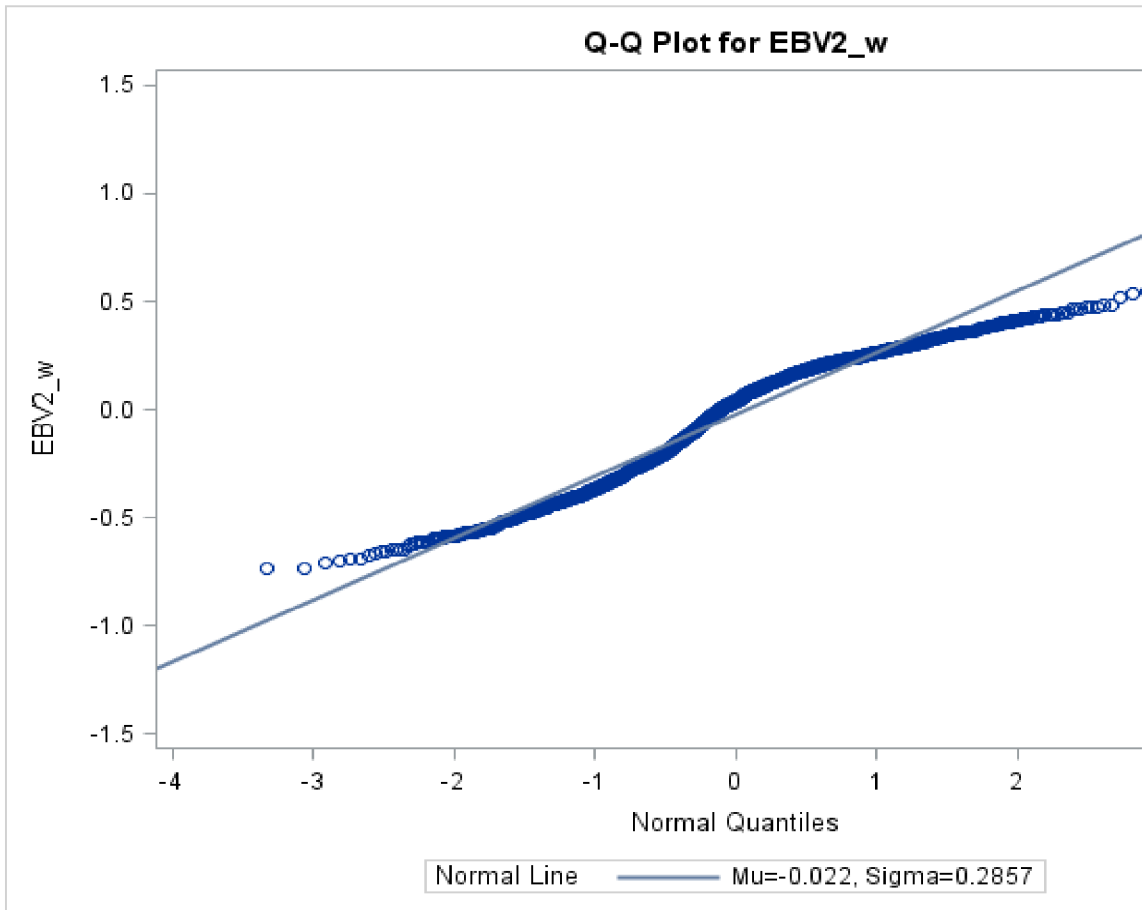
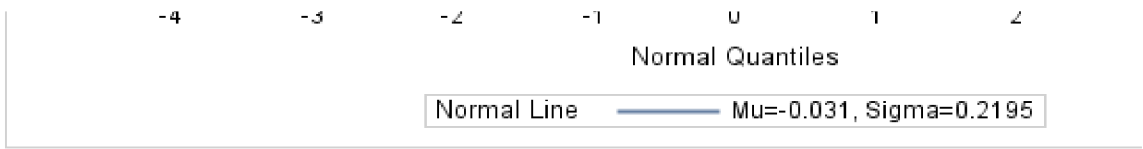
G2_UPG

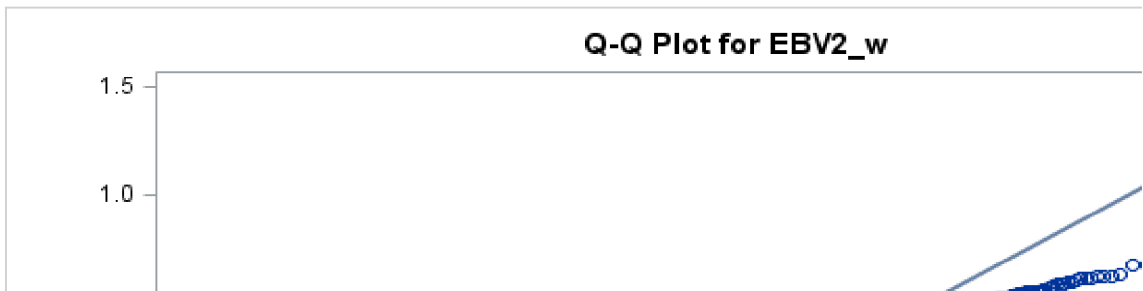
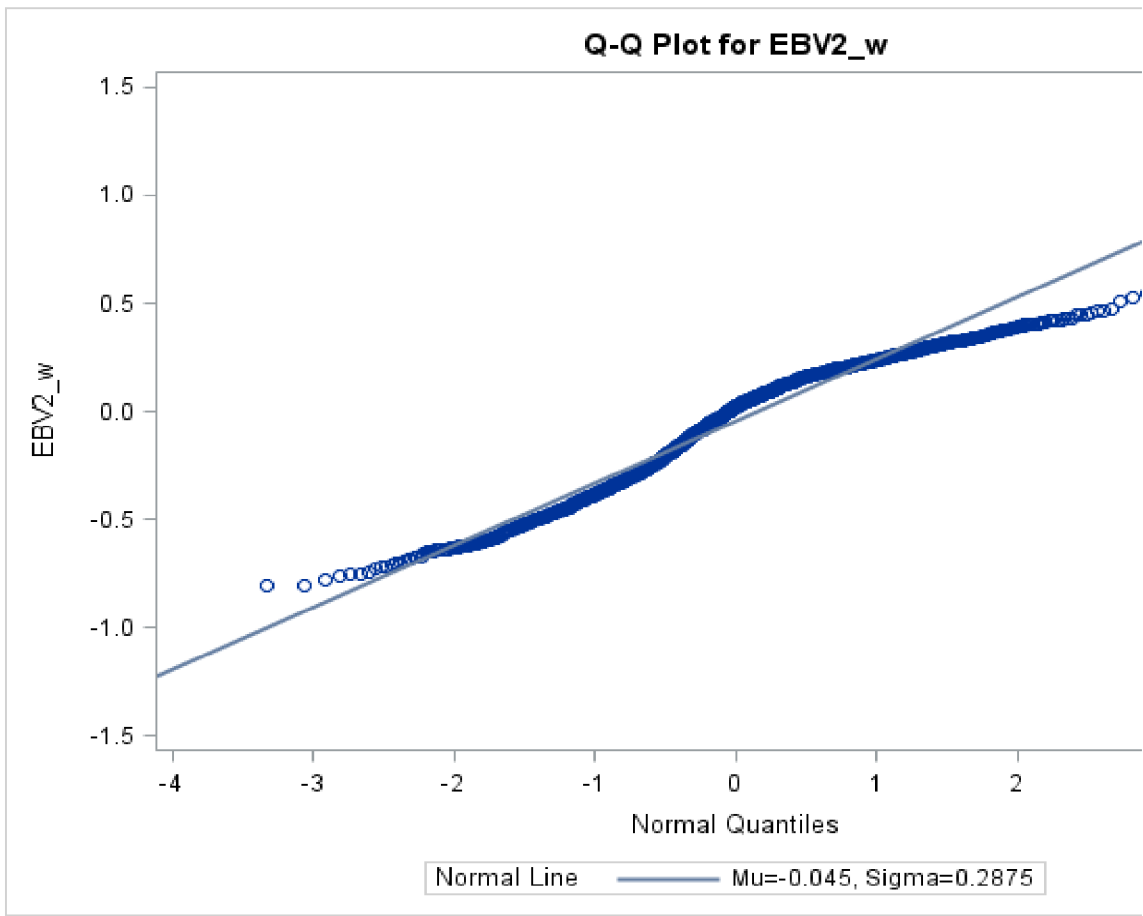
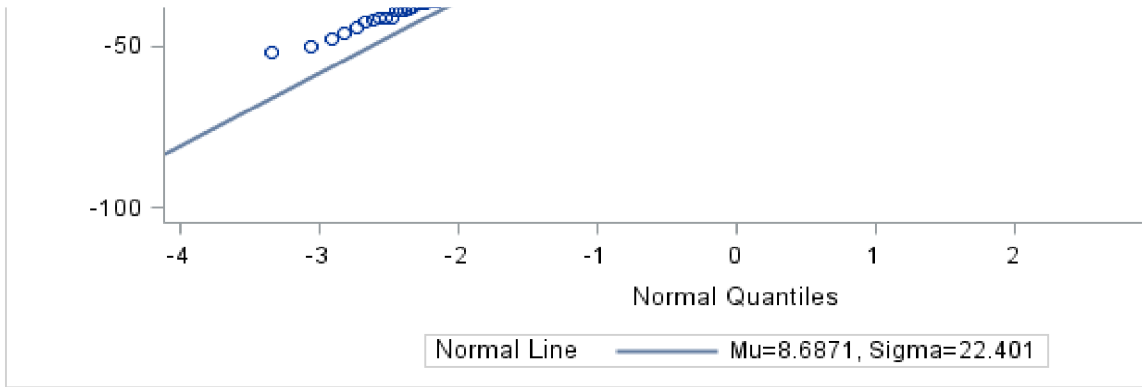


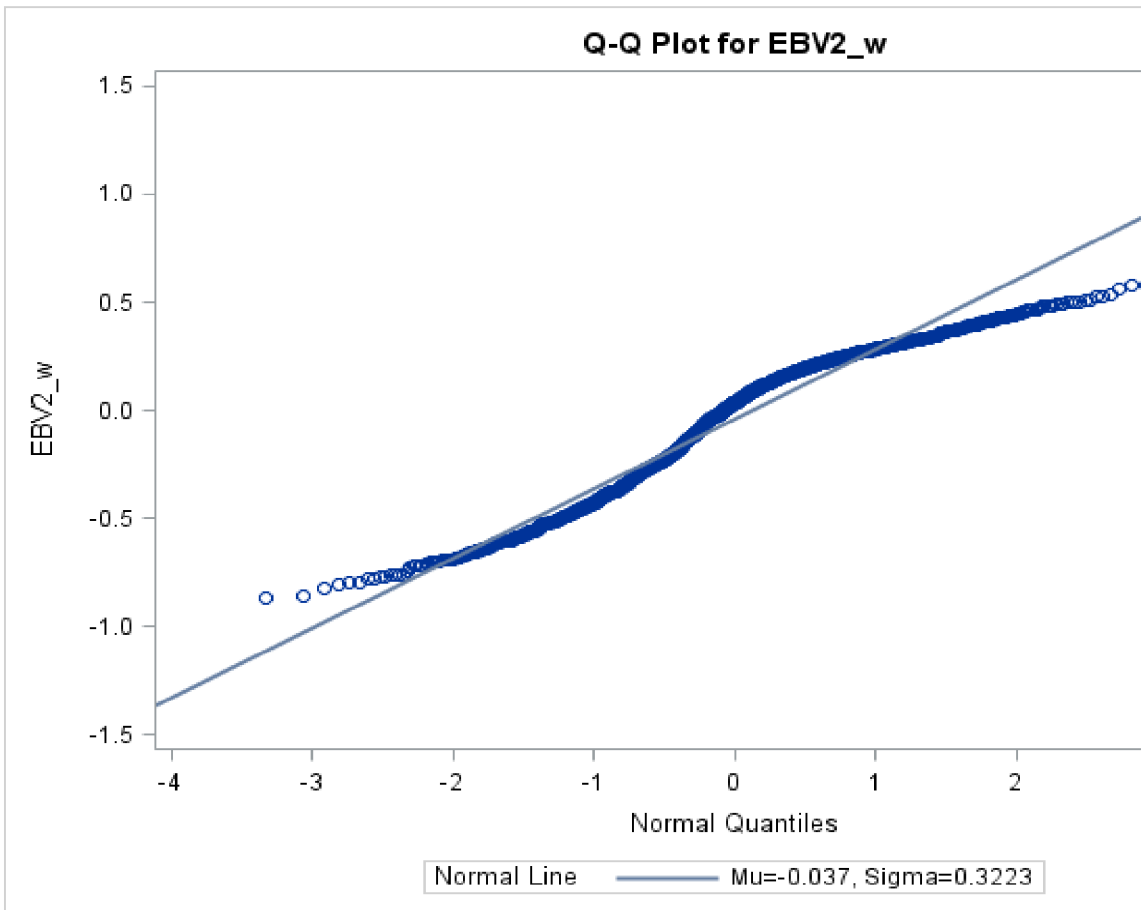
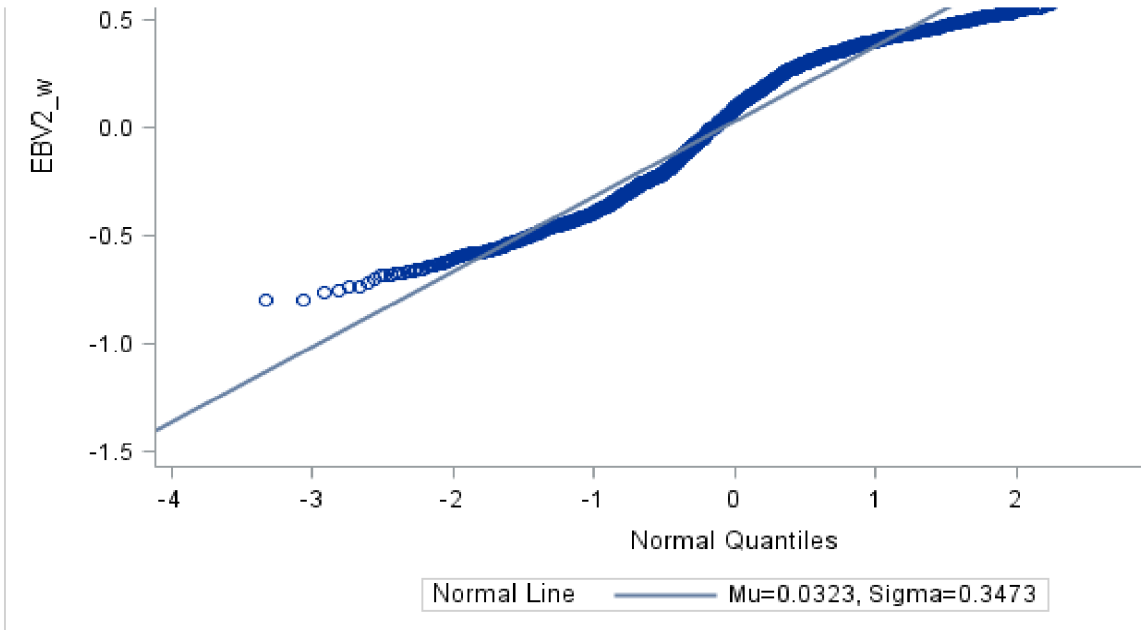
LEMENA: validace BLUP a ssGBLUP animal modelů (průměry bez

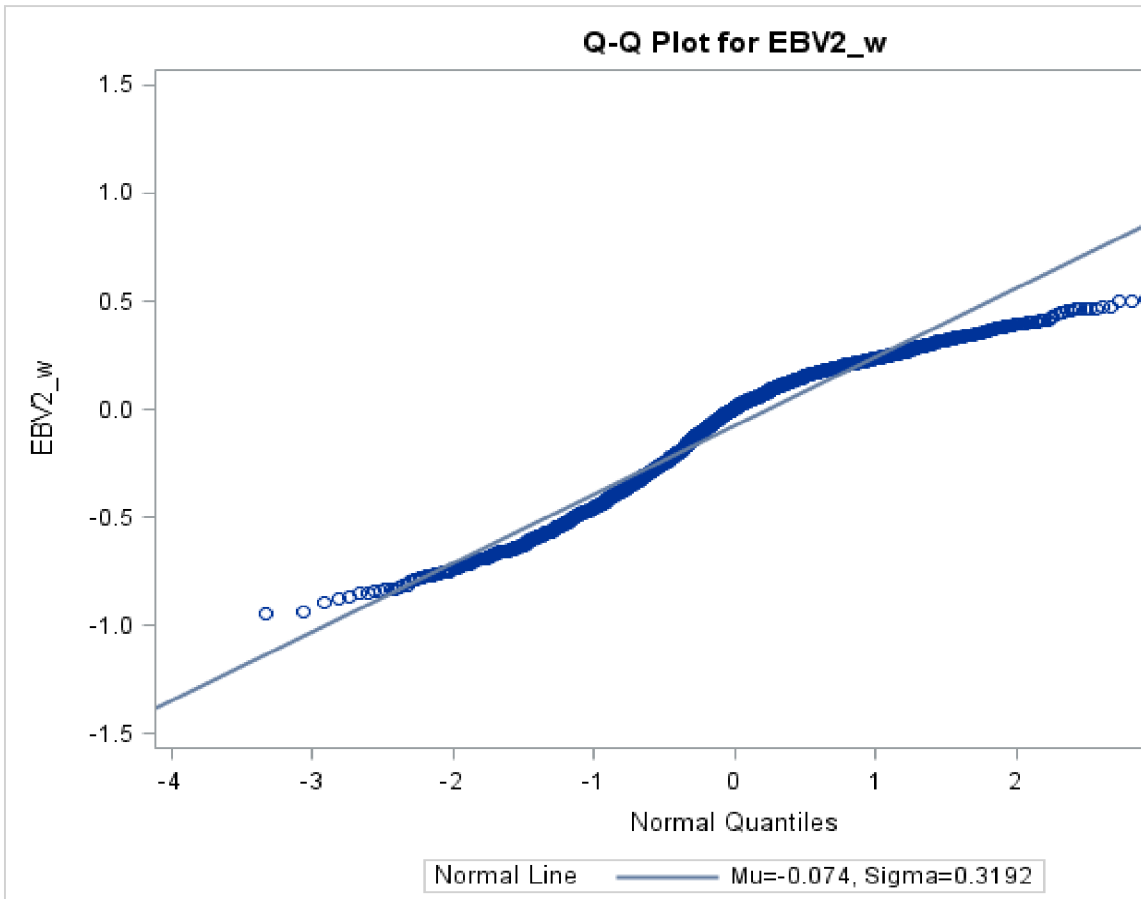
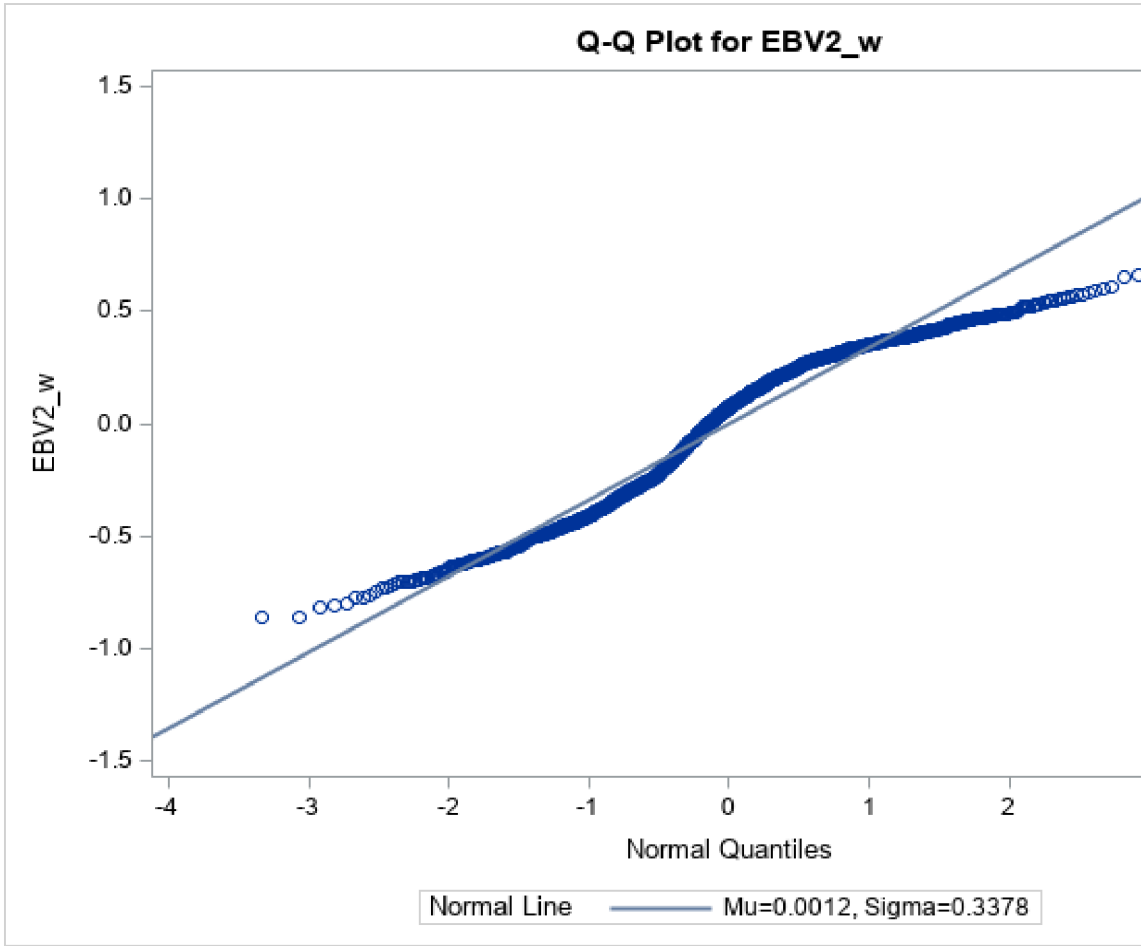
1 - b _{w,p}		ρ	ρ ⁻¹	acc_LR		PrA	
0.28		0.45	2.21		0.38		0.18
-0.42	0.25	0.57	1.74	2.24	0.29	0.35	0.23
0.22		0.44	2.27		0.31		0.11
0.01		0.62	1.61		0.50		0.28
-0.37	0.04	0.90	1.11	1.64	0.61	0.46	0.45
0.06		0.60	1.67		0.42		0.08
0.24		0.47	2.14		0.38		0.18
-0.39	0.16	0.61	1.65	2.10	0.30	0.33	0.25
0.08		0.49	2.06		0.28		0.11
0.01		0.64	1.57		0.52		0.29
-0.30	0.10	0.88	1.13	1.71	0.58	0.43	0.45
0.19		0.54	1.86		0.35		0.07
-0.05		0.57	1.77		0.43		0.25
-0.58	0.05	0.88	1.14	1.94	0.57	0.34	0.49
0.05		0.47	2.12		0.26		0.09
-0.02		0.64	1.57		0.52		0.29
-0.28	0.12	0.91	1.10	1.97	0.61	0.39	0.48
0.22		0.42	2.37		0.26		0.07
-0.05		0.58	1.73		0.43		0.25
-0.49	0.08	0.87	1.15	1.93	0.55	0.35	0.48
0.12		0.47	2.13		0.27		0.08
0.00		0.64	1.57		0.52		0.29
-0.24	0.13	0.90	1.12	1.92	0.59	0.40	0.47
0.26		0.44	2.26		0.29		0.08







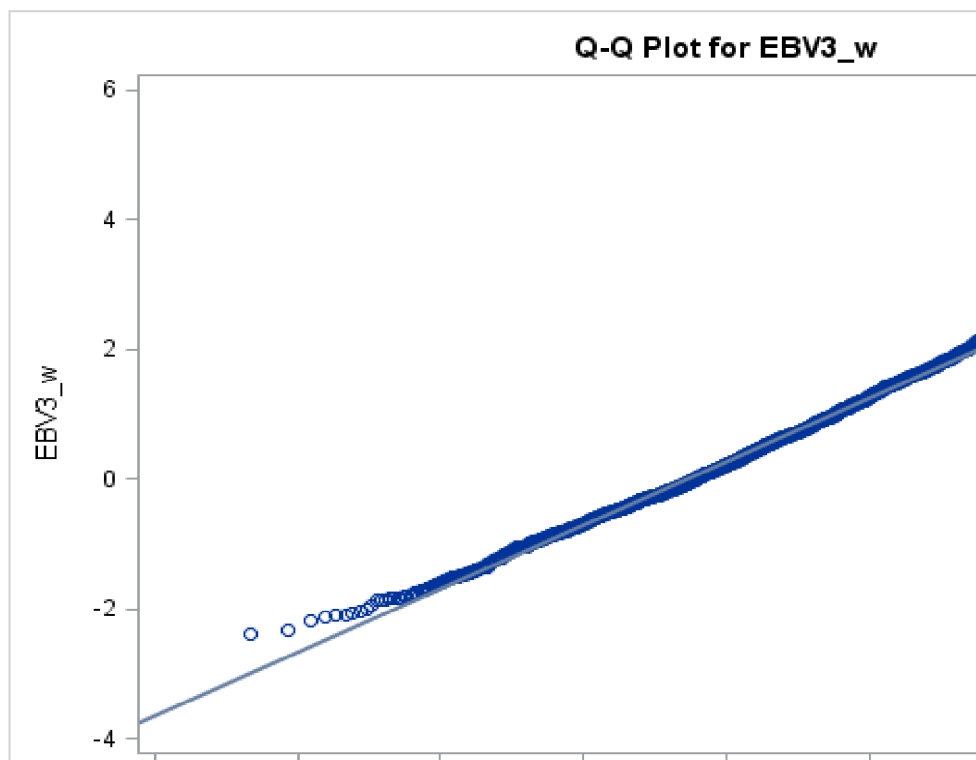


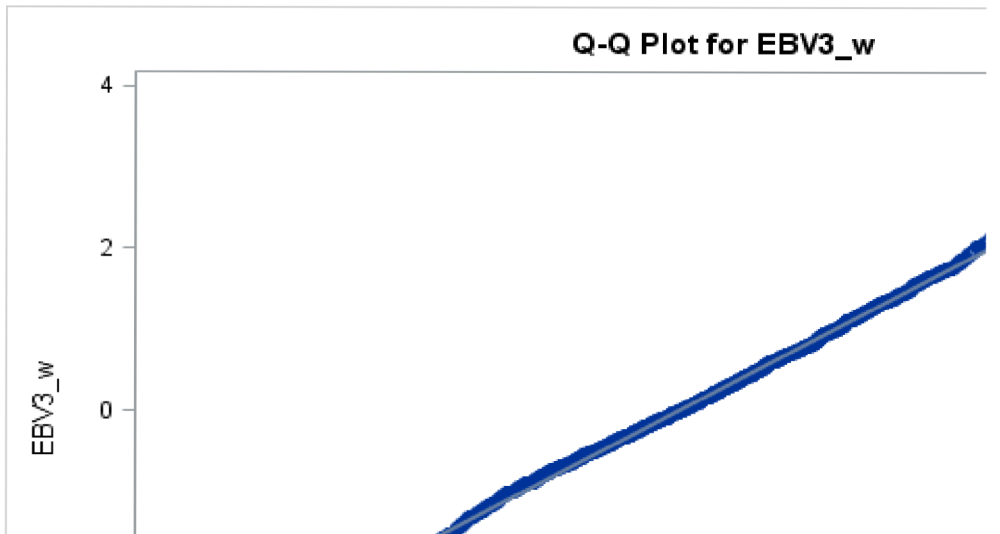
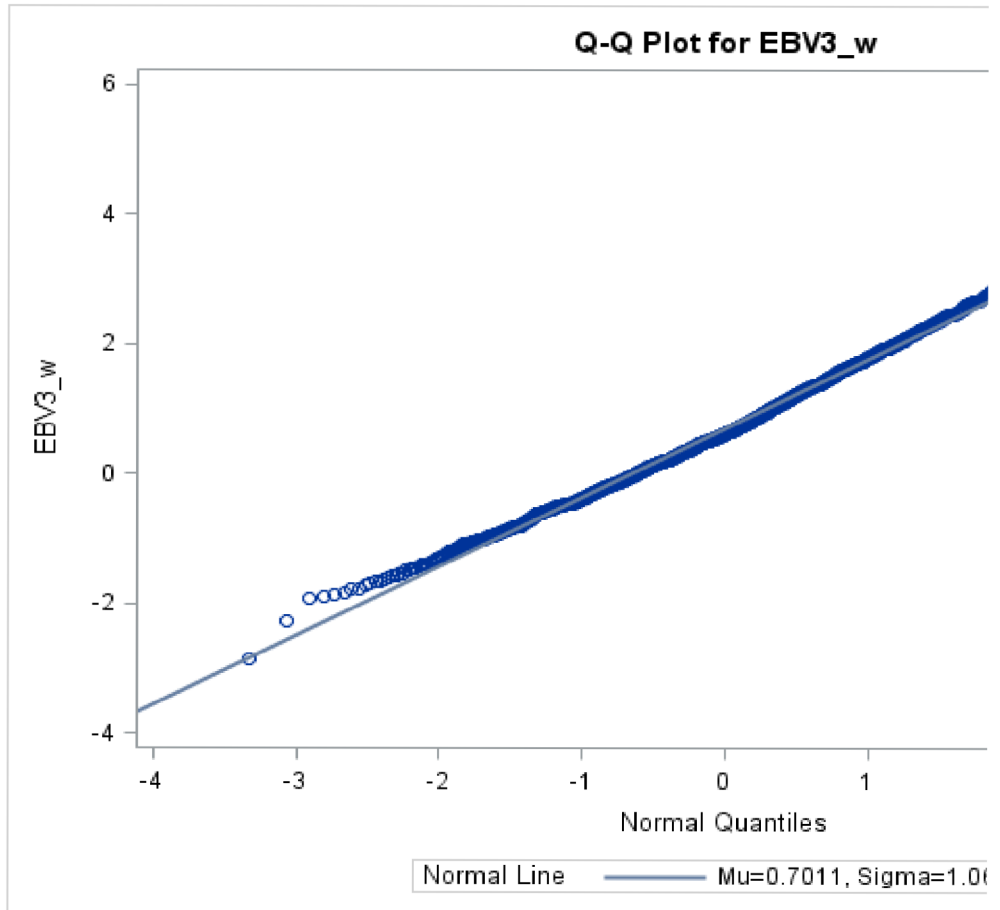
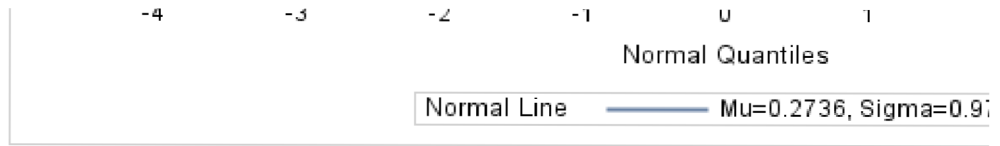


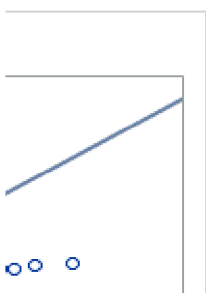
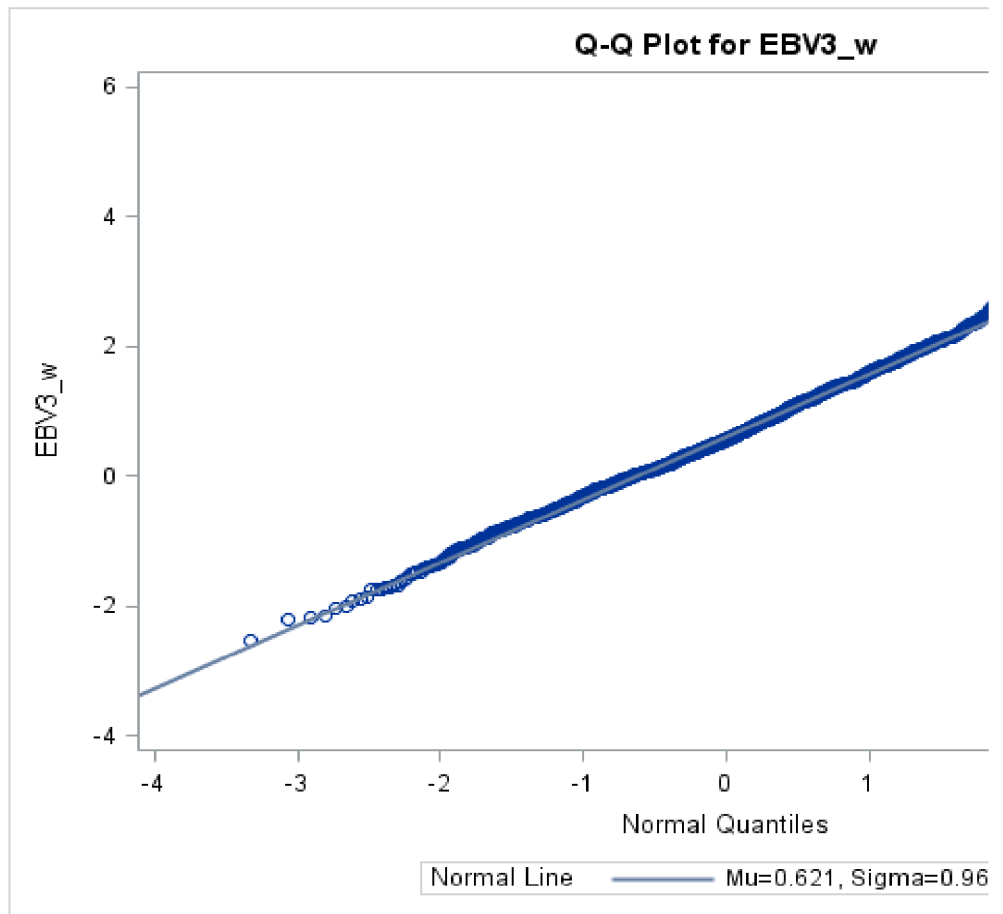
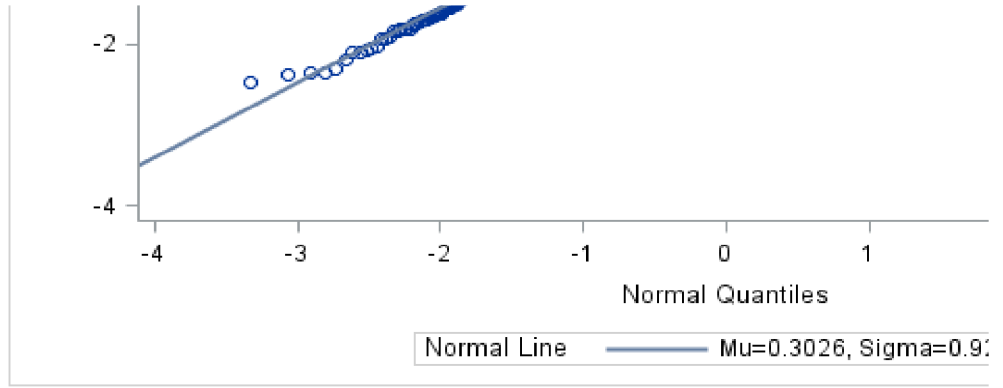
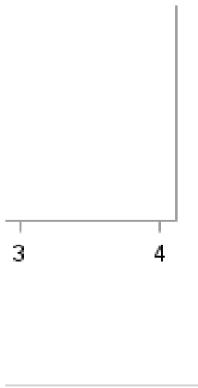
BF)

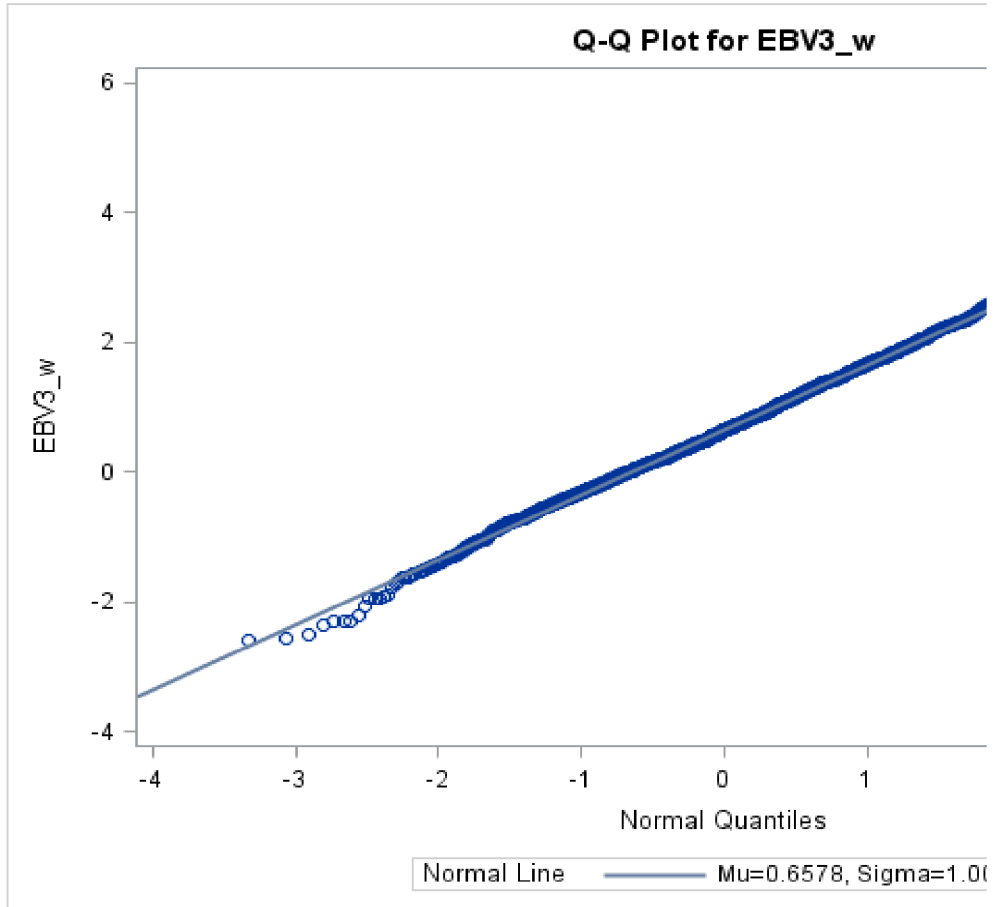
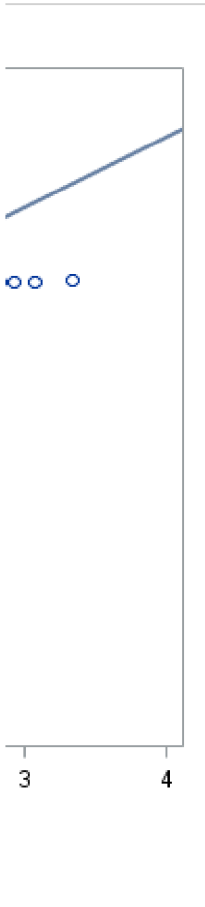
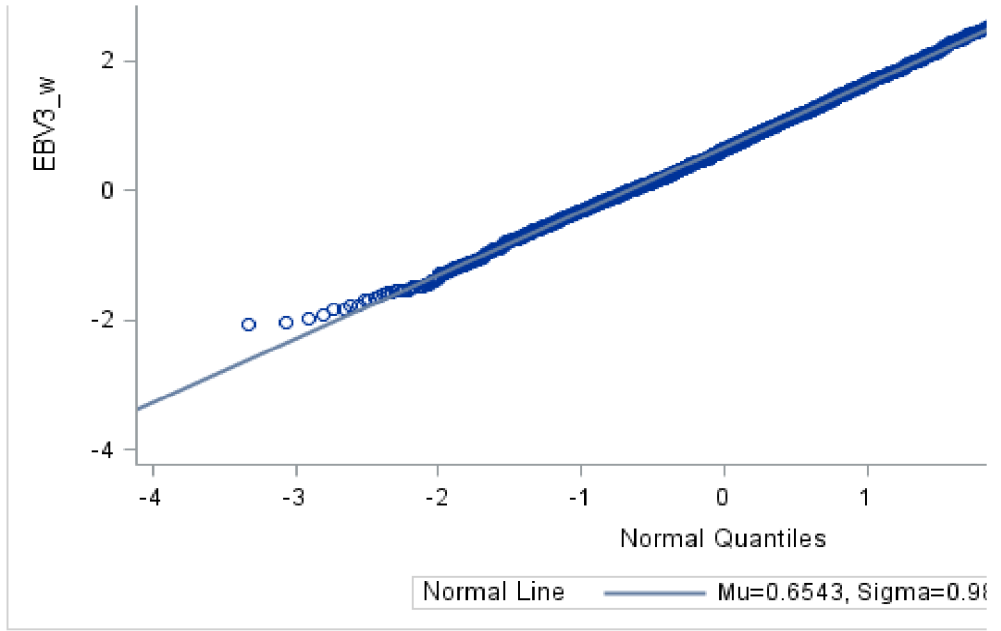
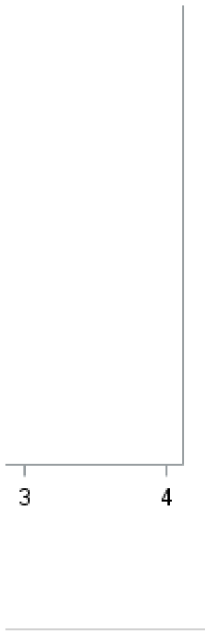
individuální spolehlivosti: celá kohorta vs. genotypovaná kohorta

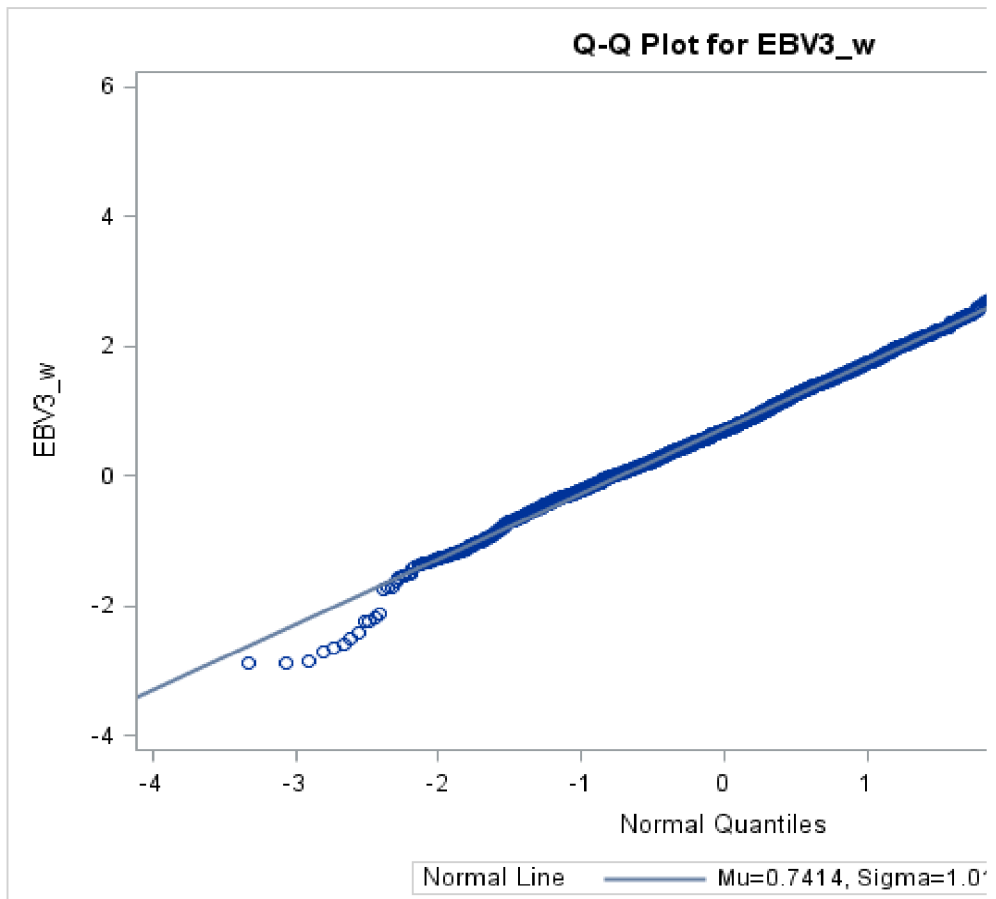
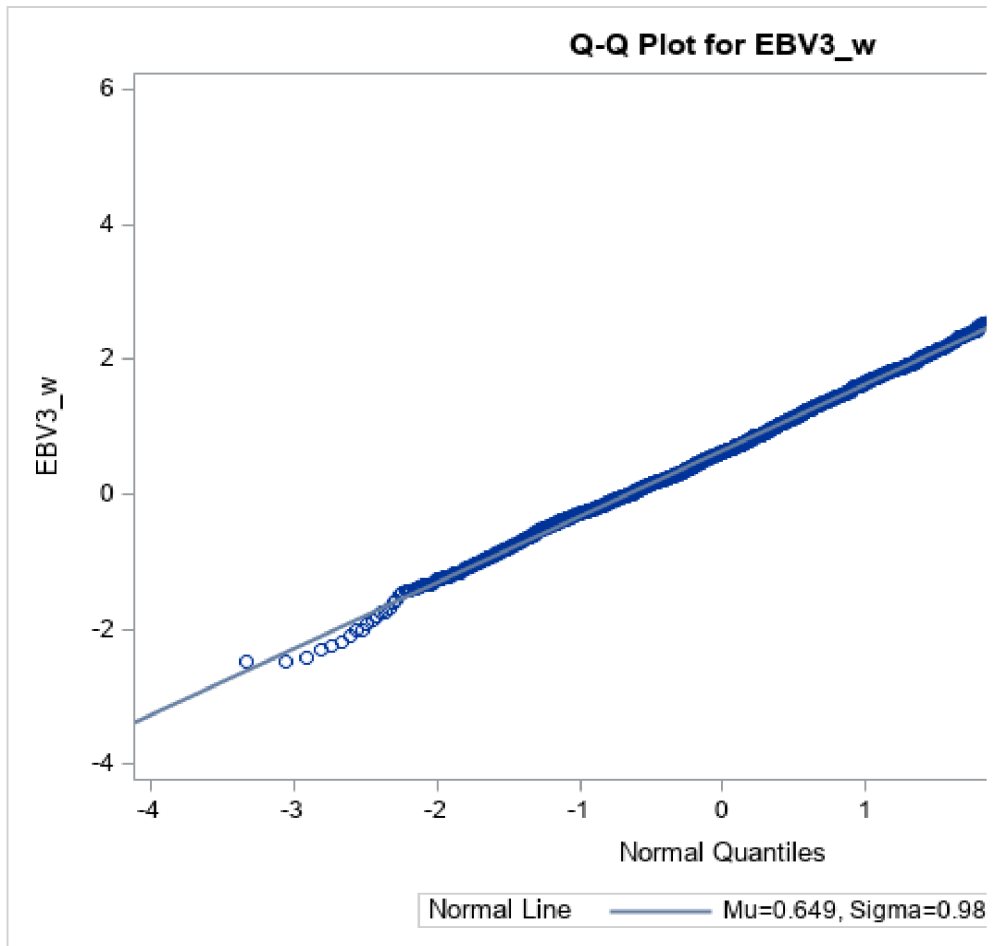
data w (n = 1473)		data p (n = 1473)		data w (n = 30)		data p (n = 30)	
0.44		0.17		0.47		0.19	
0.32	0.42	0.12	0.16	0.34	0.45	0.14	0.18
0.40		0.16		0.43		0.18	
0.31		0.05		0.40		0.19	
0.17	0.28	-0.02	0.04	0.26	0.37	0.10	0.17
0.26		0.03		0.35		0.16	
0.45		0.18		0.48		0.20	
0.35	0.42	0.14	0.16	0.37	0.45	0.15	0.19
0.39		0.15		0.42		0.17	
0.33		0.06		0.42		0.20	
0.21	0.29	0.01	0.04	0.30	0.38	0.13	0.18
0.25		0.02		0.34		0.15	
0.43		0.19		0.53		0.33	
0.34	0.38	0.15	0.17	0.44	0.48	0.29	0.31
0.33		0.14		0.43		0.28	
0.31		0.06		0.40		0.19	
0.21	0.25	0.01	0.02	0.30	0.34	0.13	0.15
0.20		-0.01		0.28		0.12	
0.45		0.20		0.55		0.35	
0.36	0.40	0.16	0.17	0.46	0.50	0.30	0.32
0.35		0.15		0.45		0.29	
0.34		0.07		0.42		0.21	
0.23	0.28	0.02	0.04	0.33	0.36	0.15	0.17
0.22		0.01		0.31		0.13	

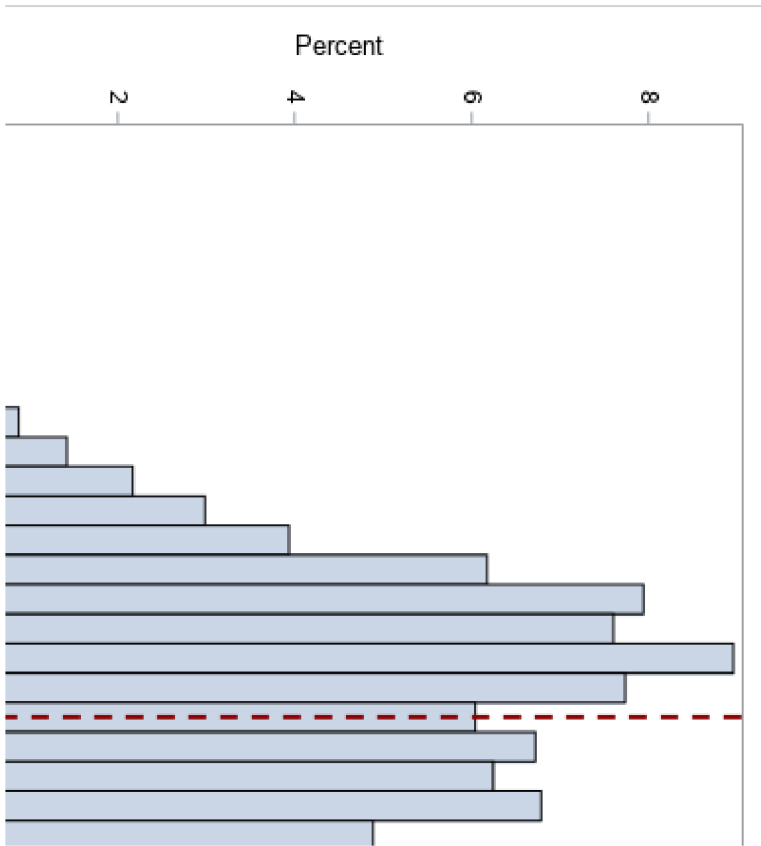
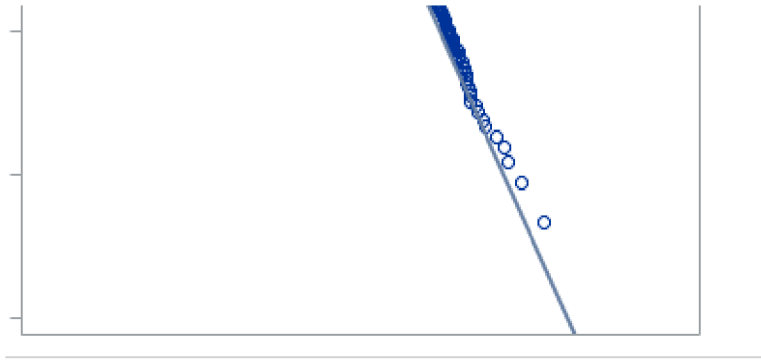






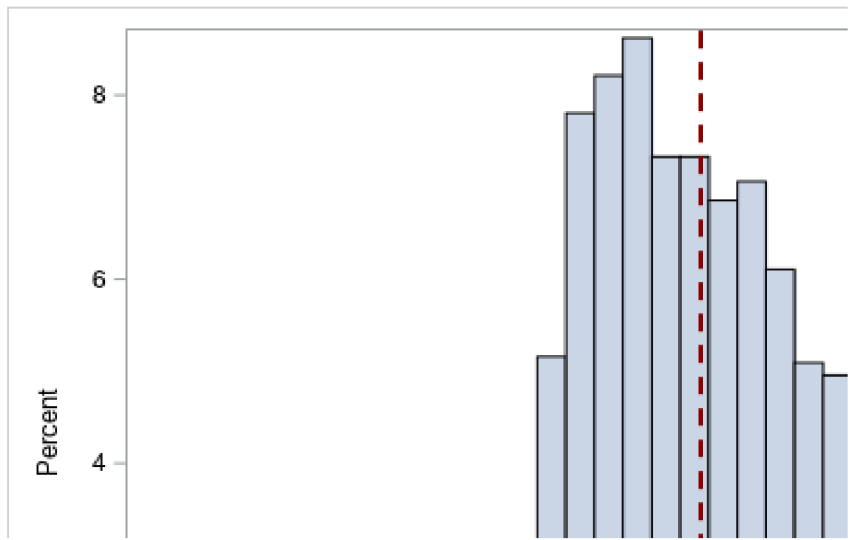
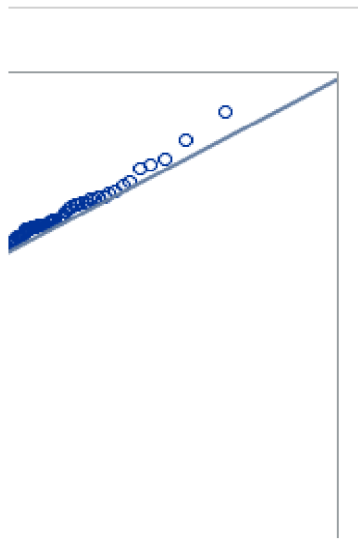
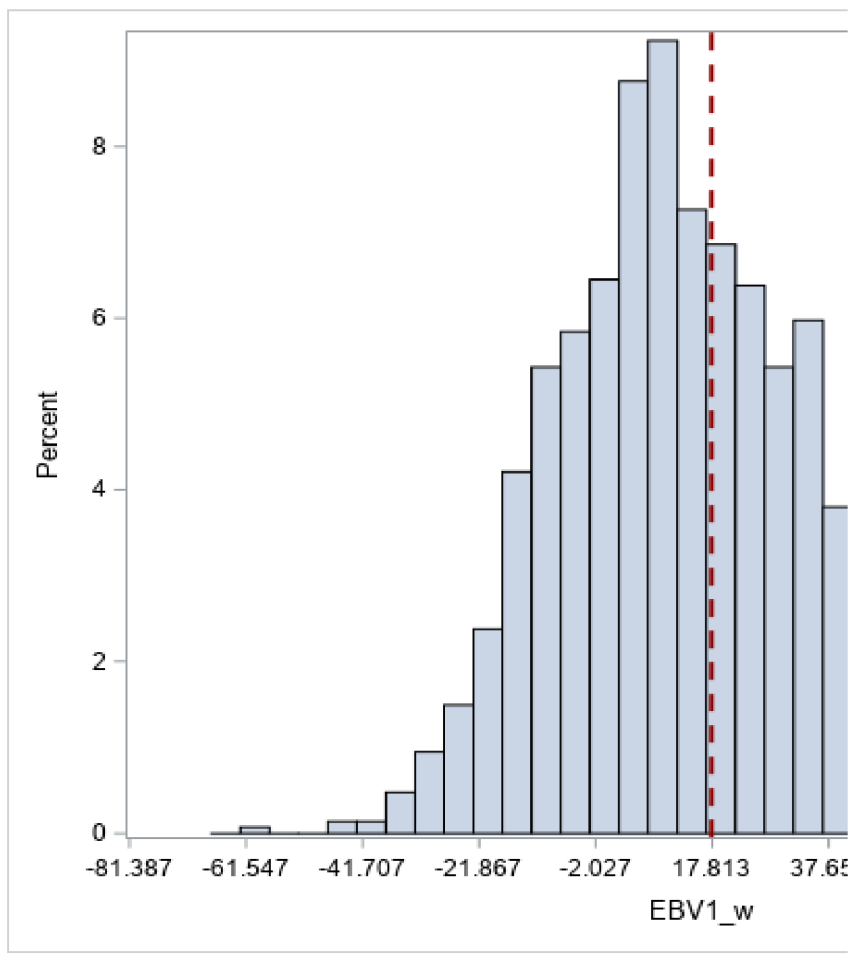
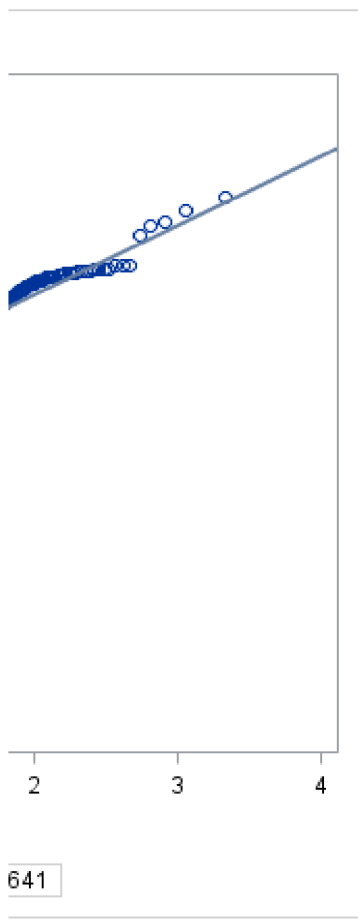
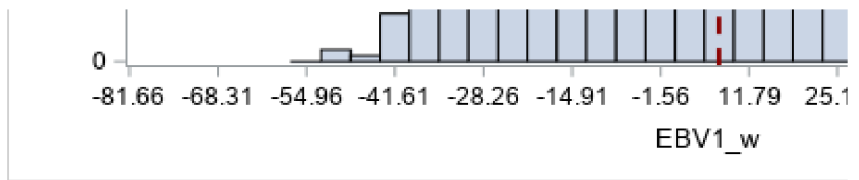


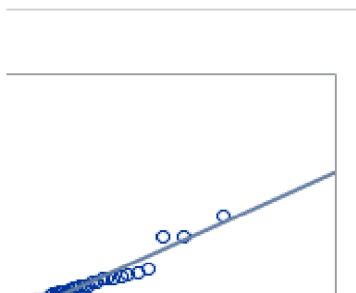
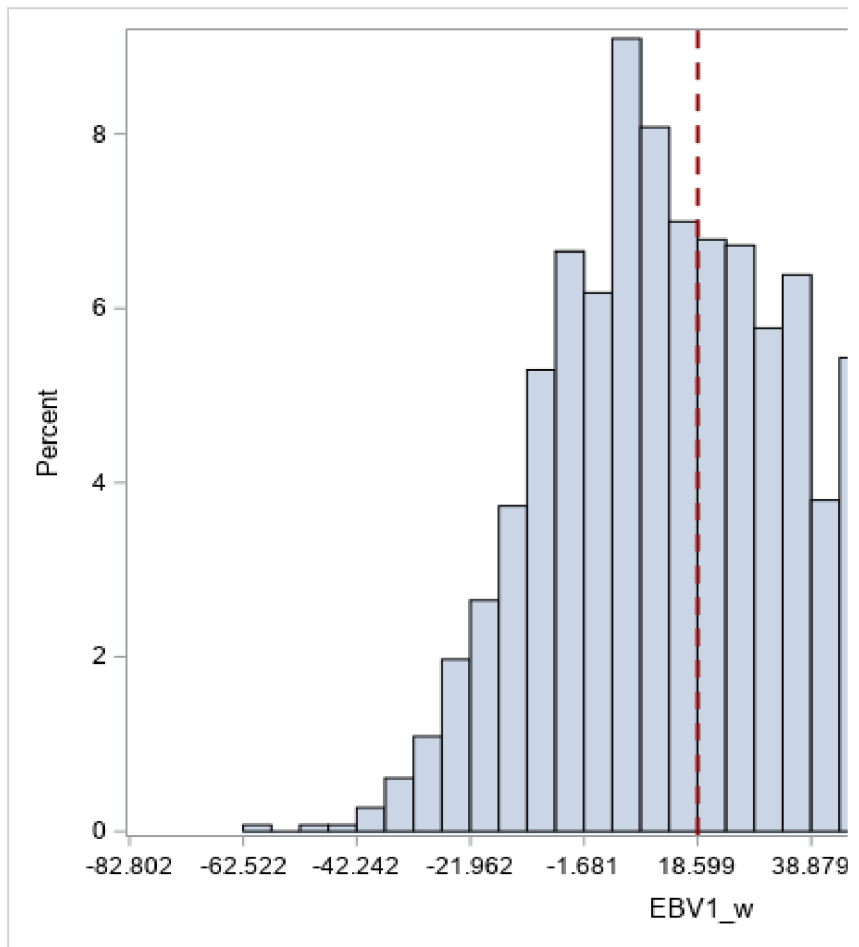
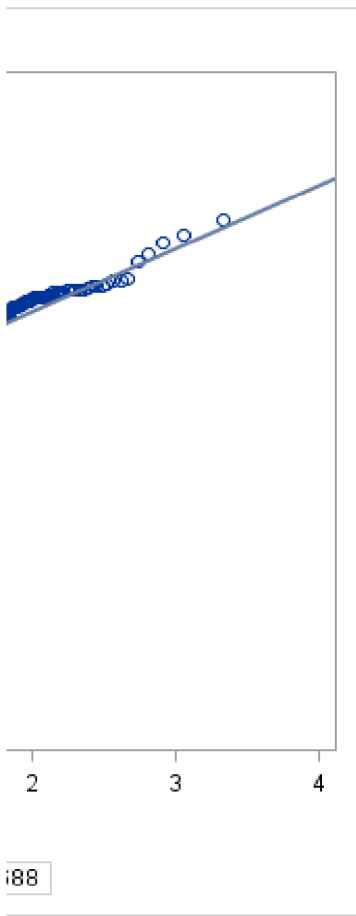
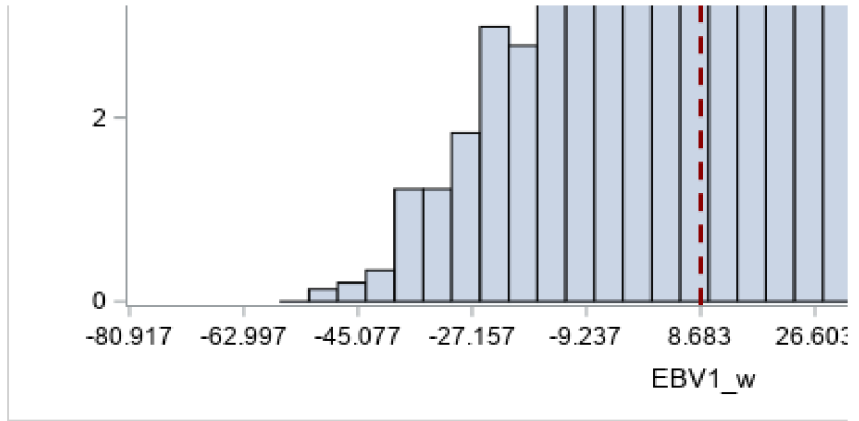


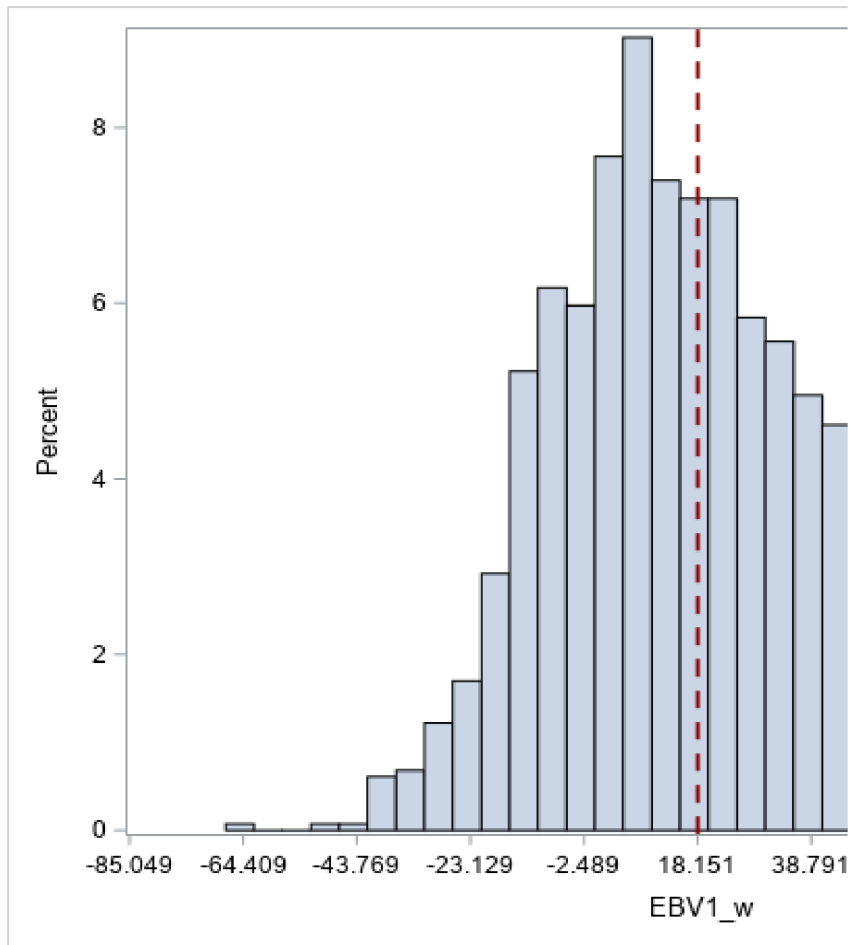
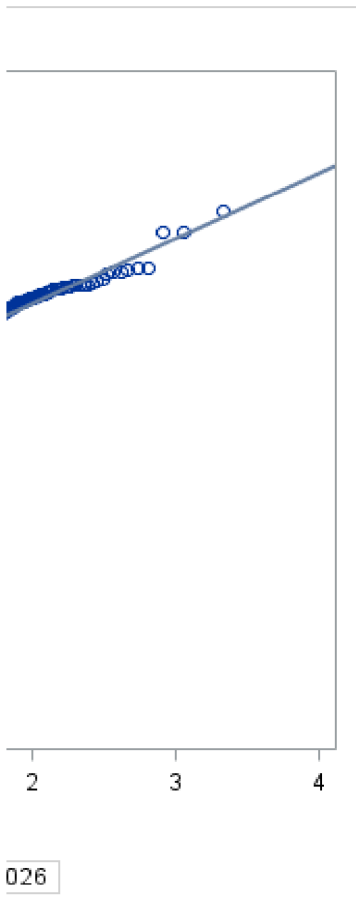
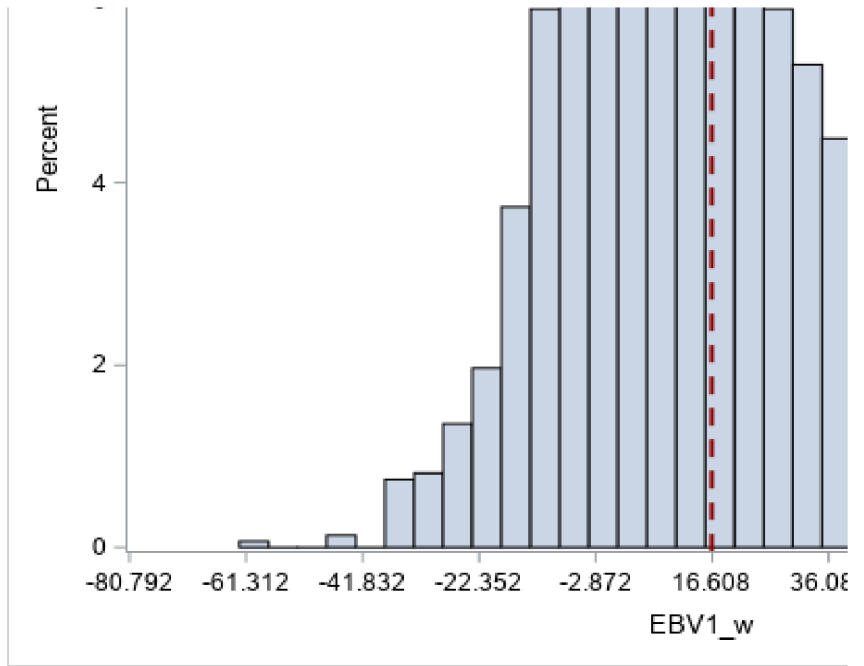
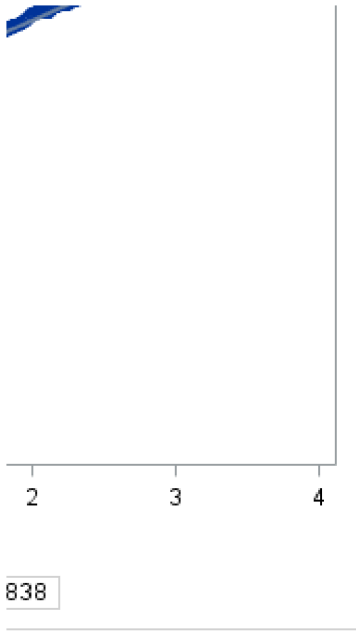


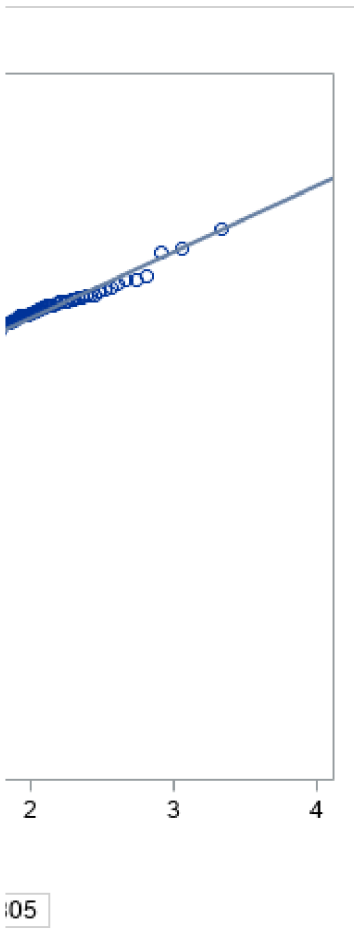
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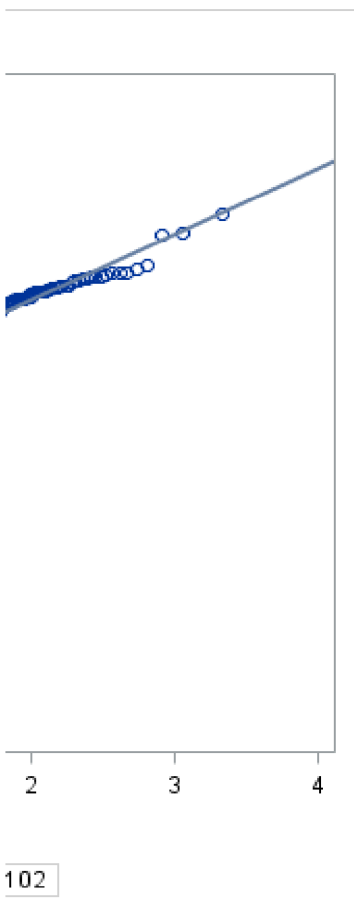
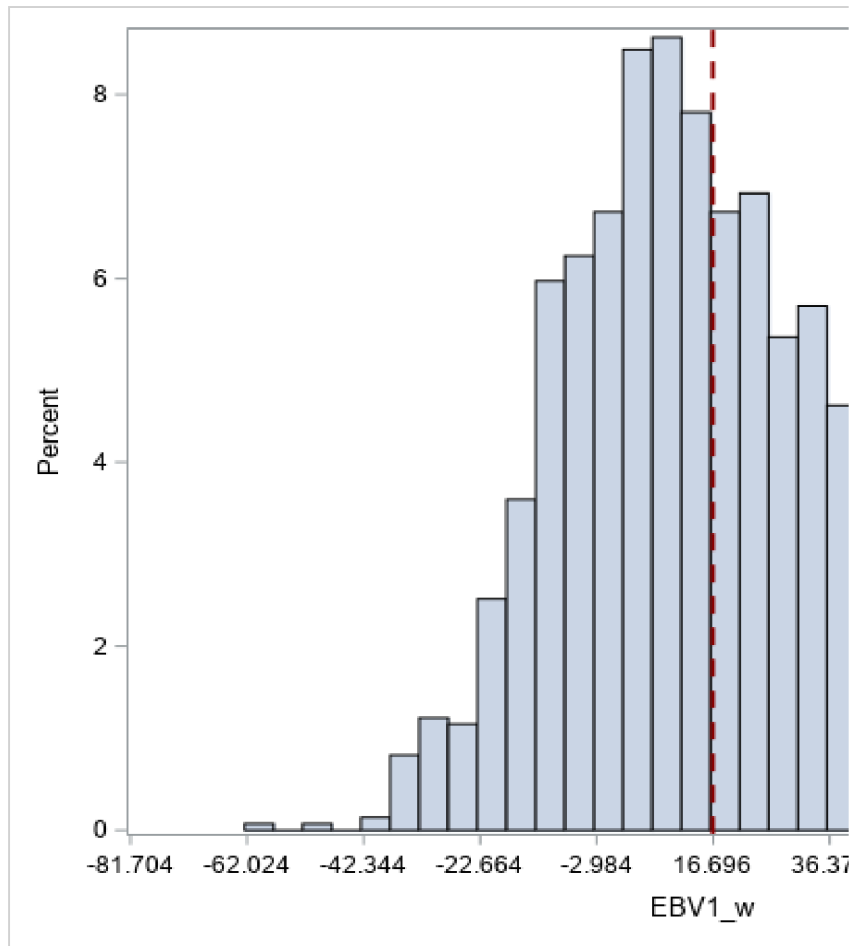




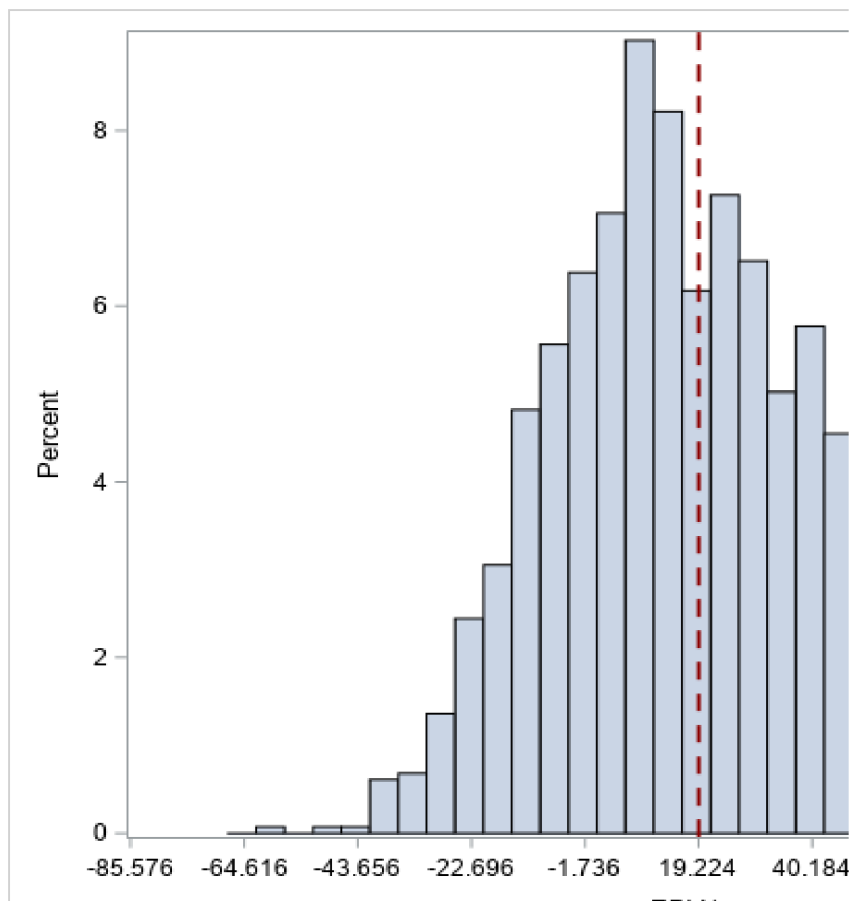


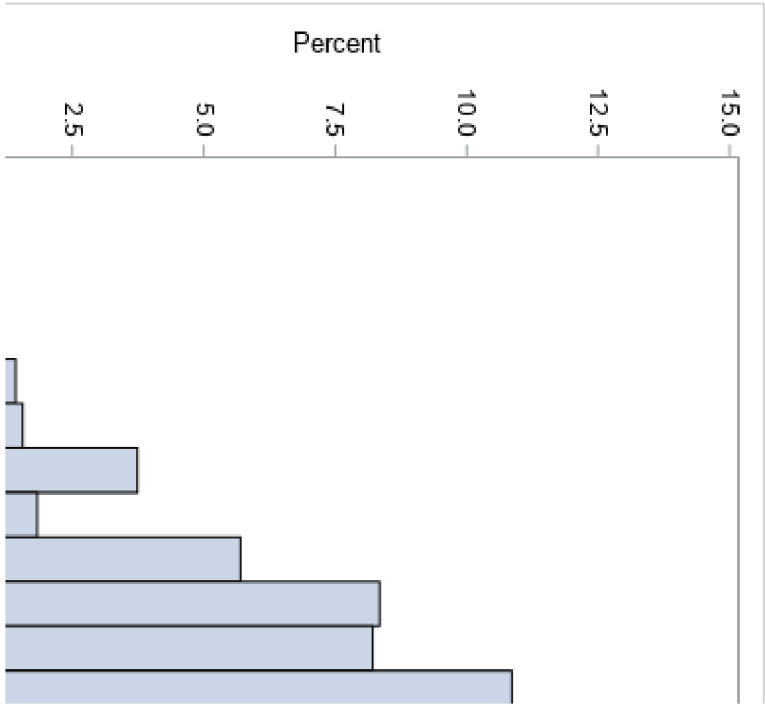
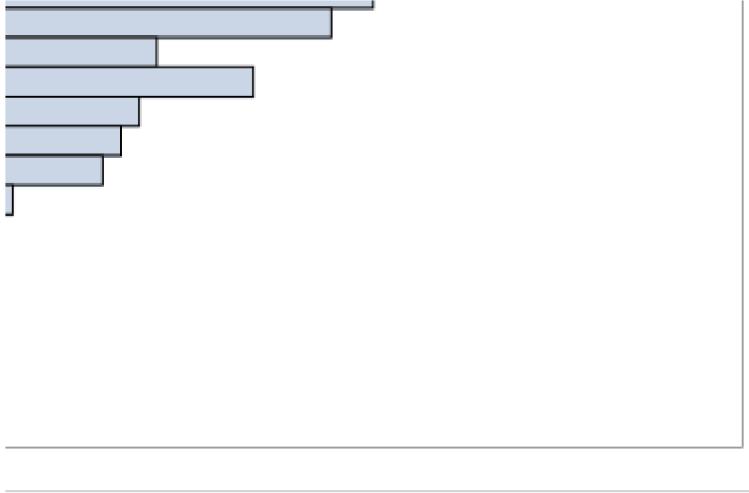


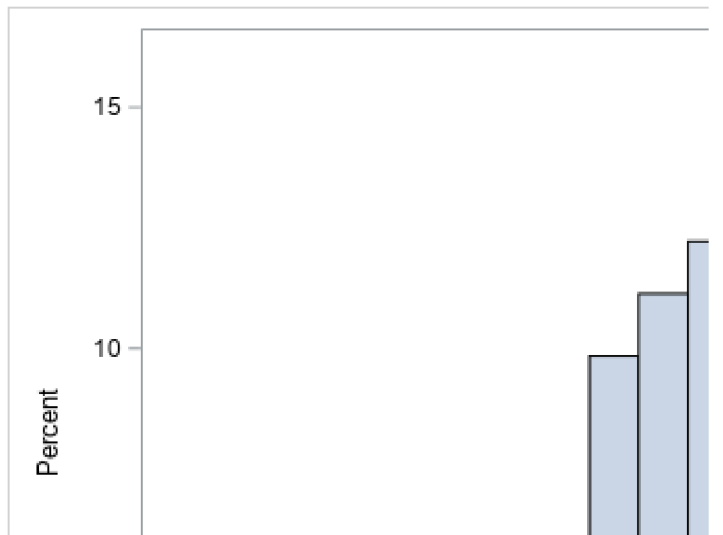
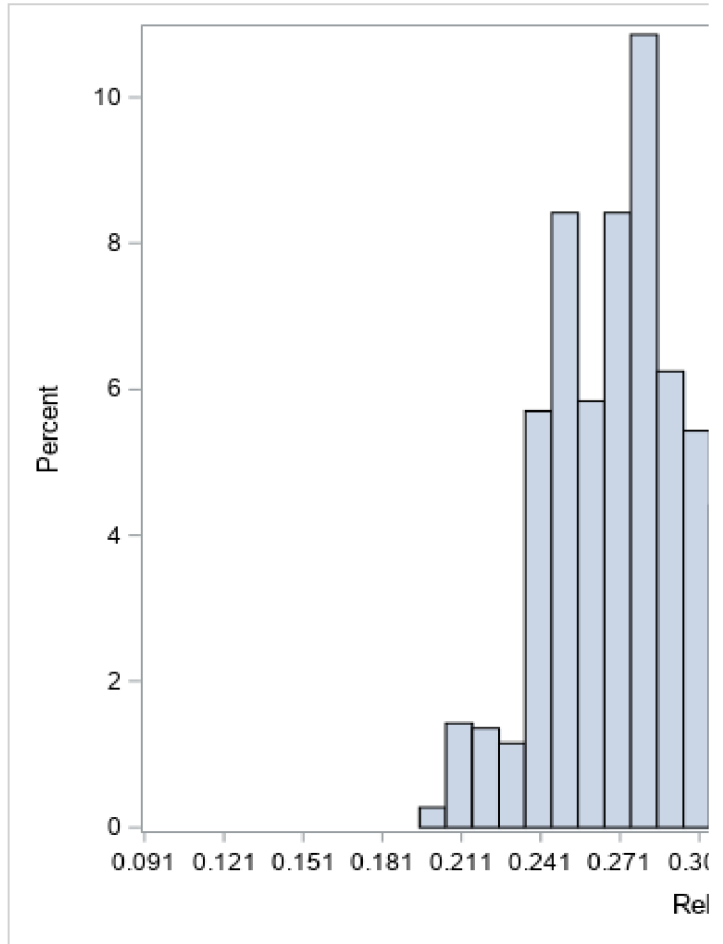
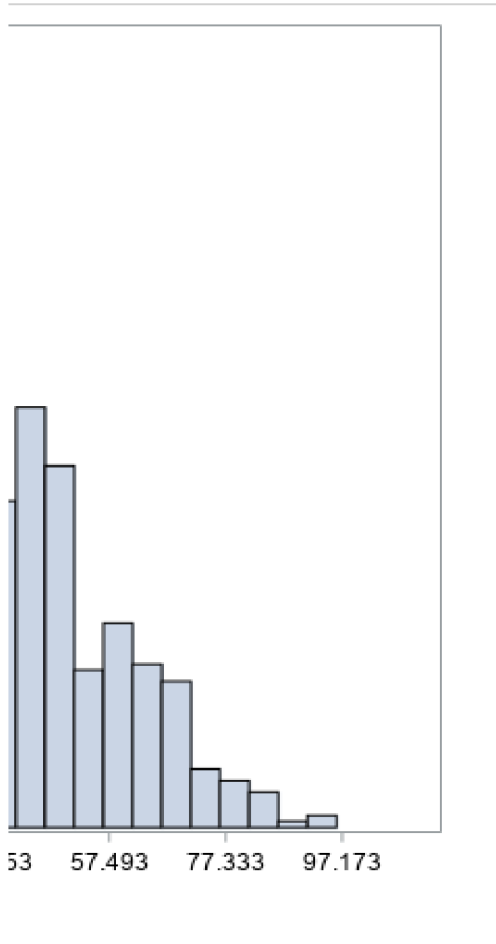
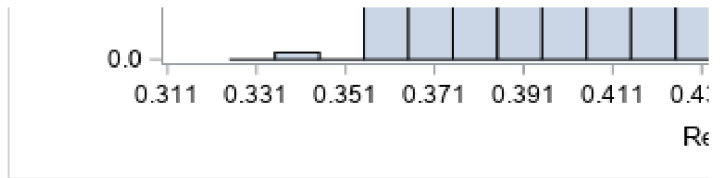
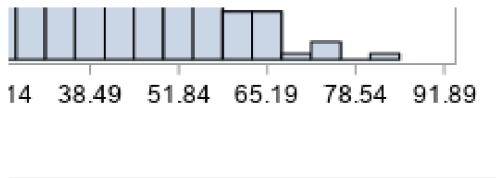
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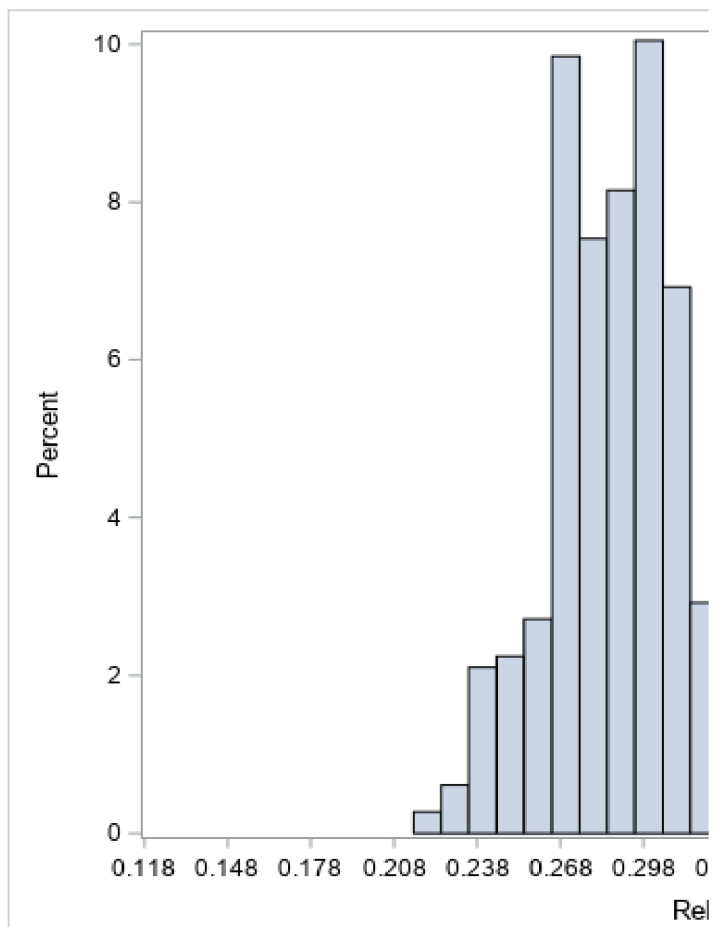
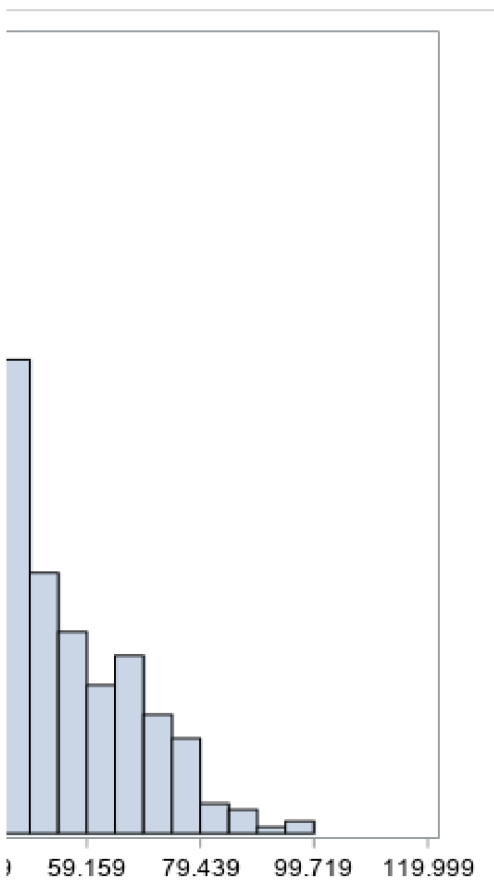
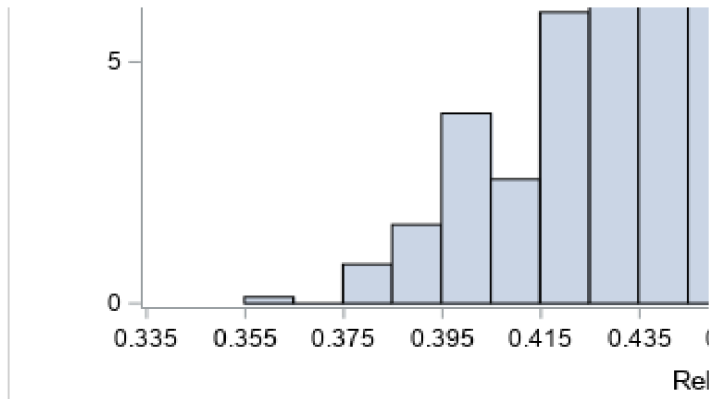
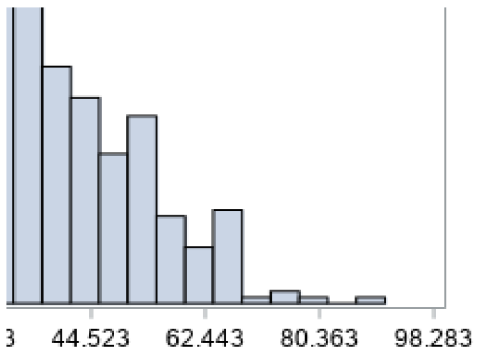


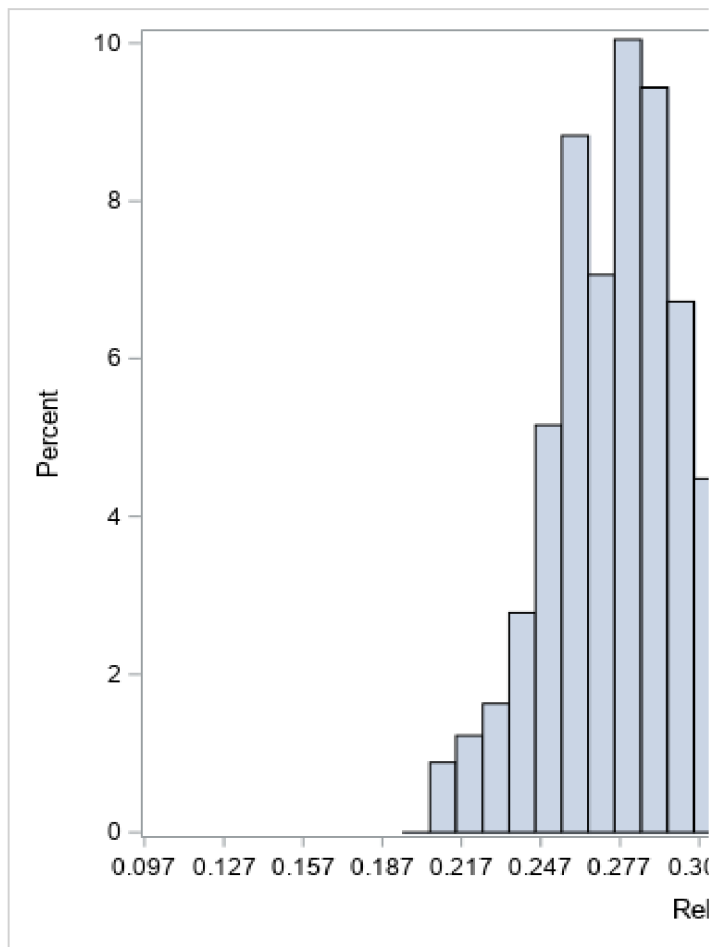
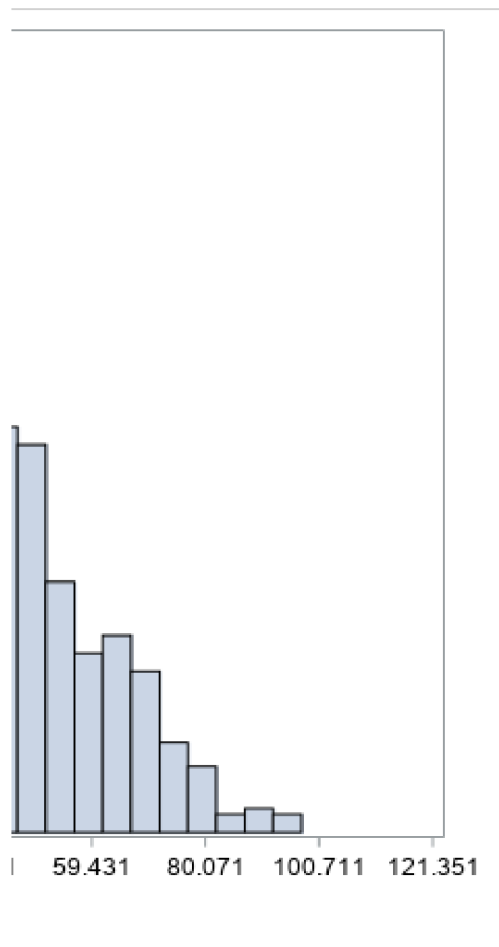
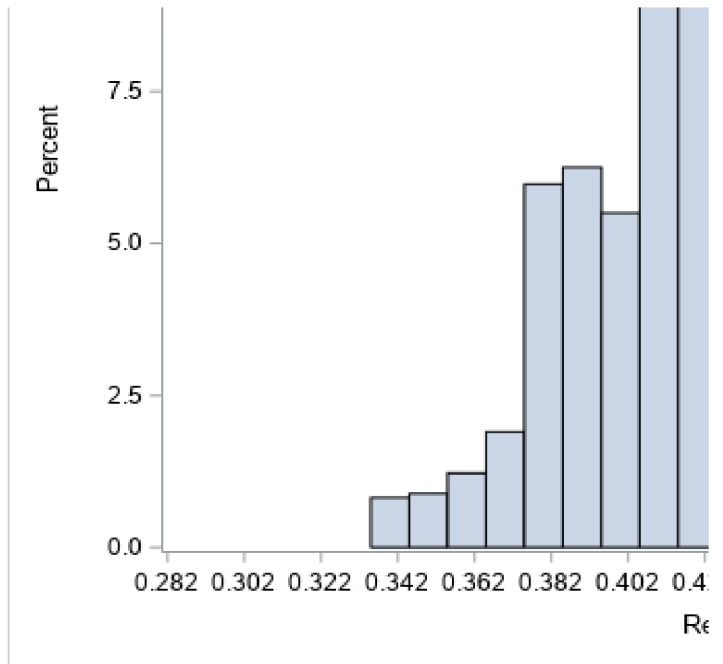
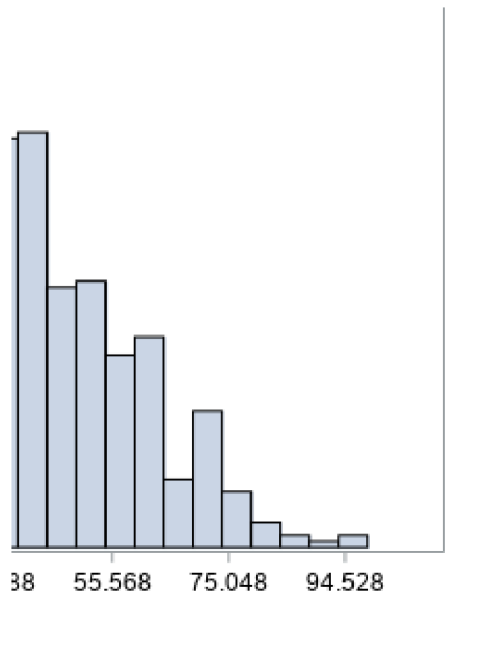
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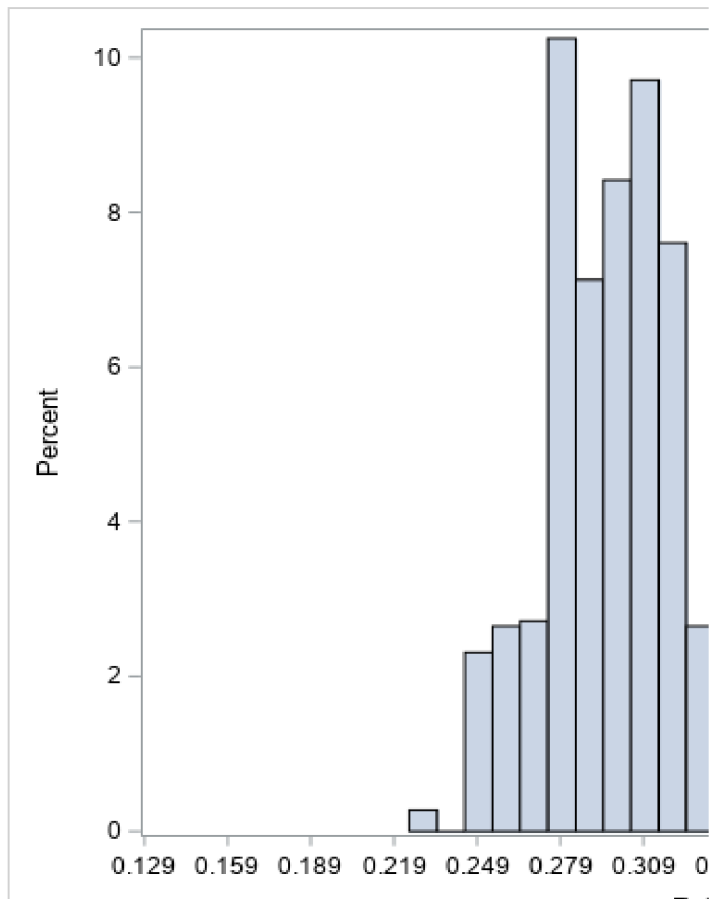
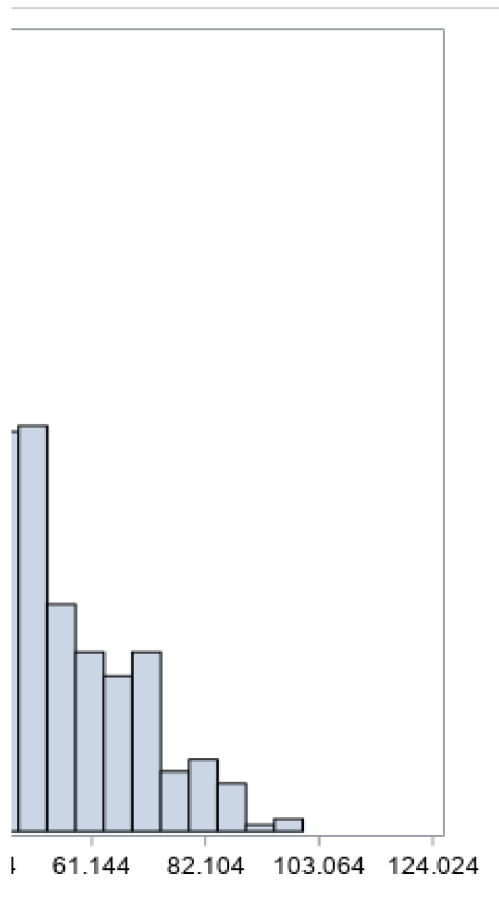
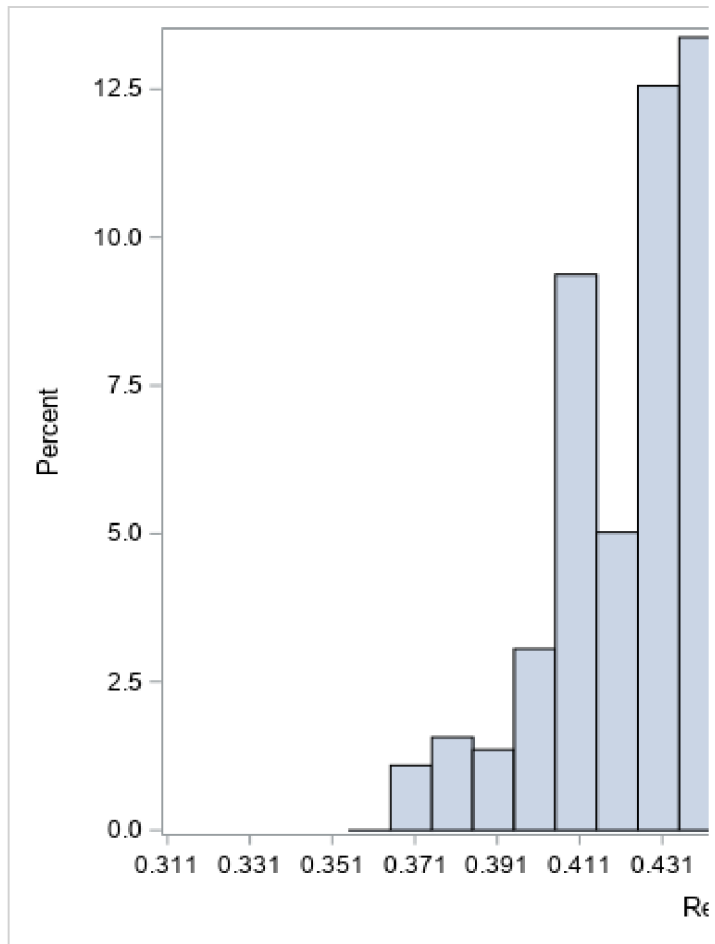
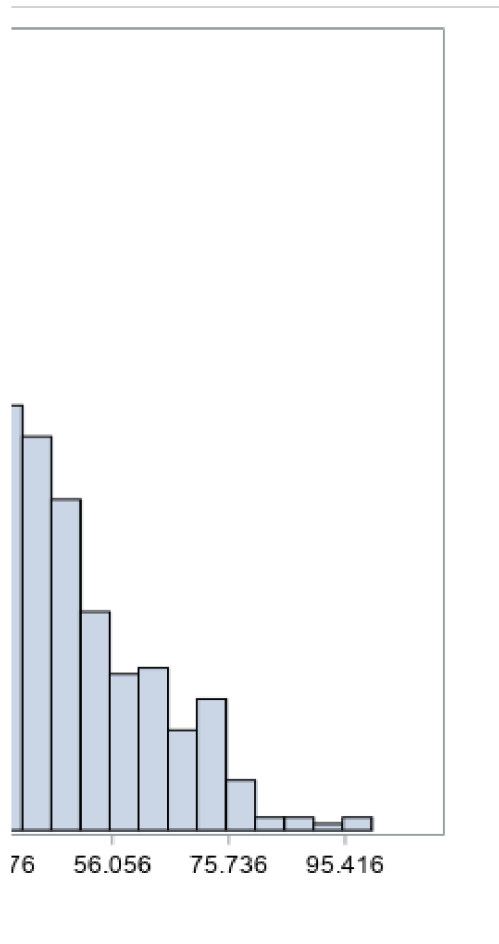


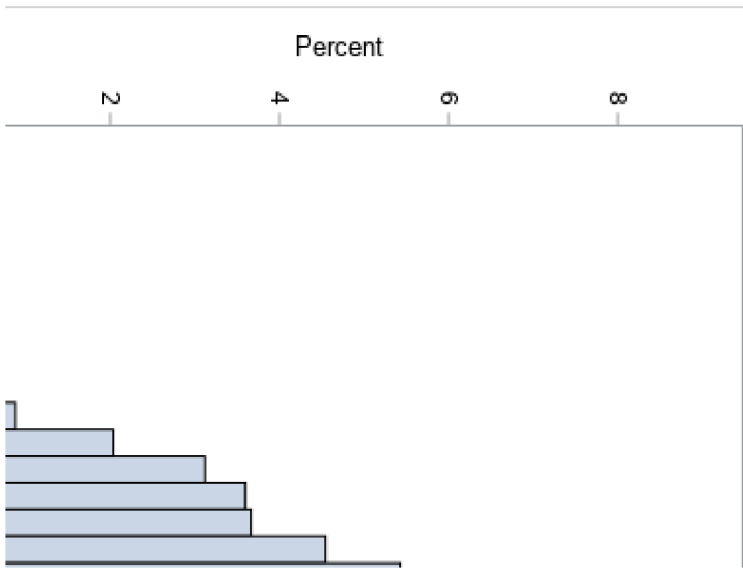
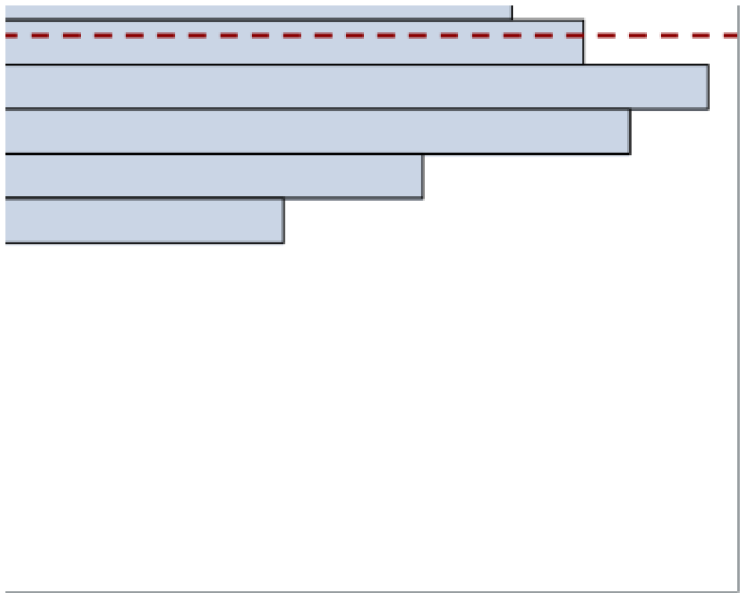


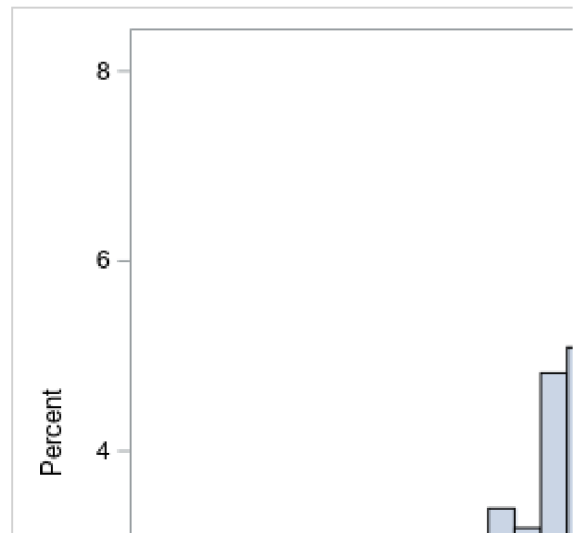
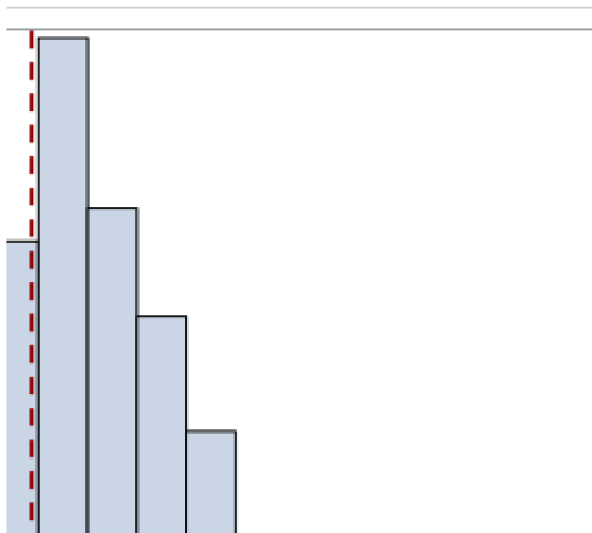
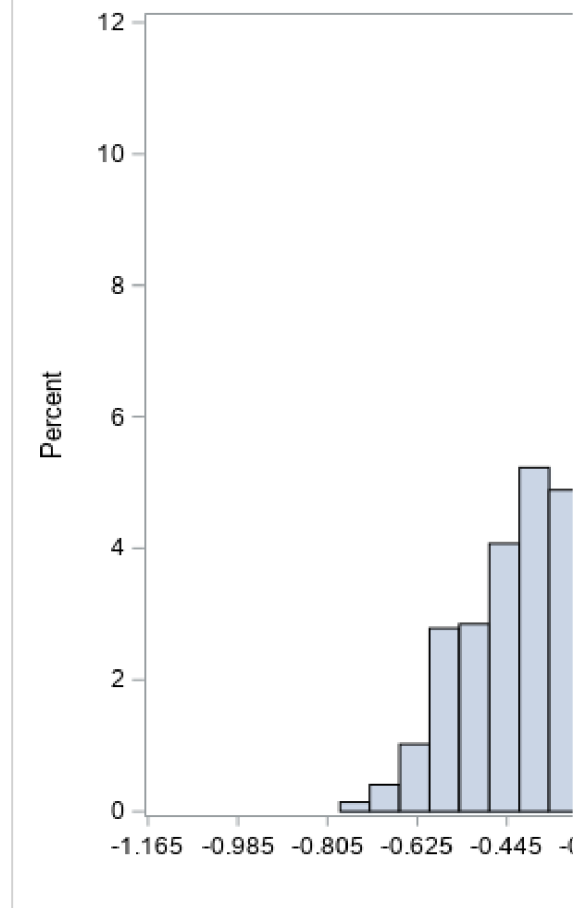
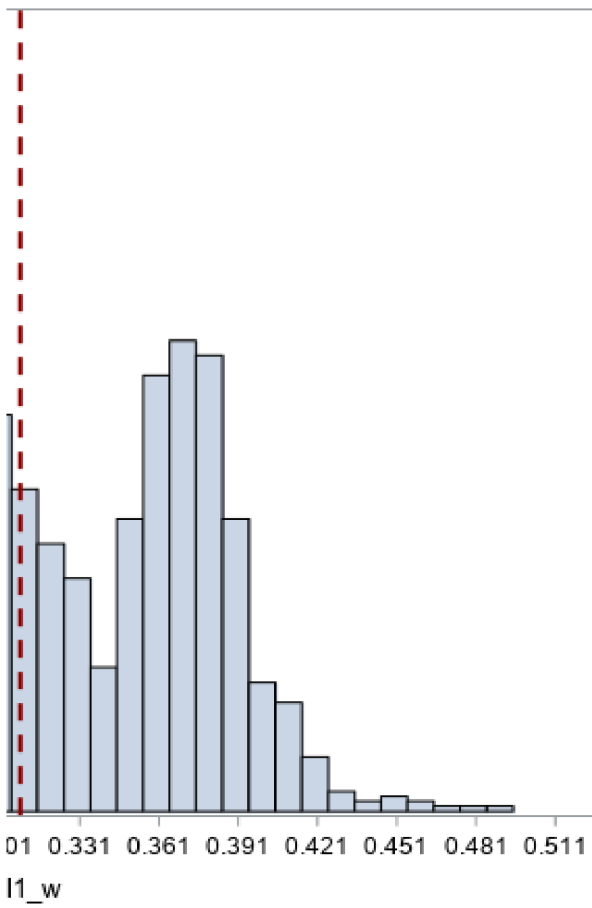
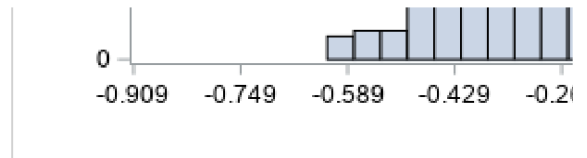
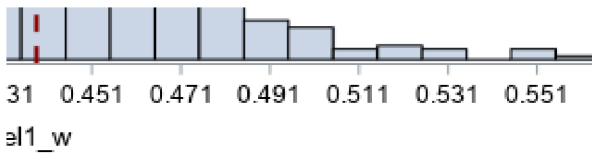


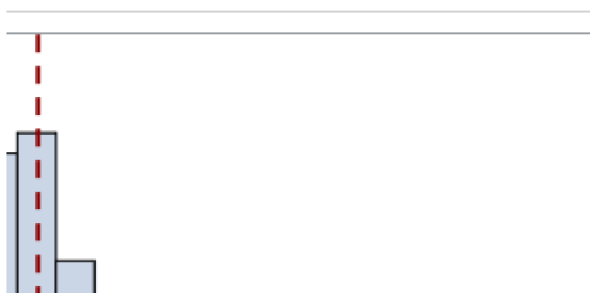
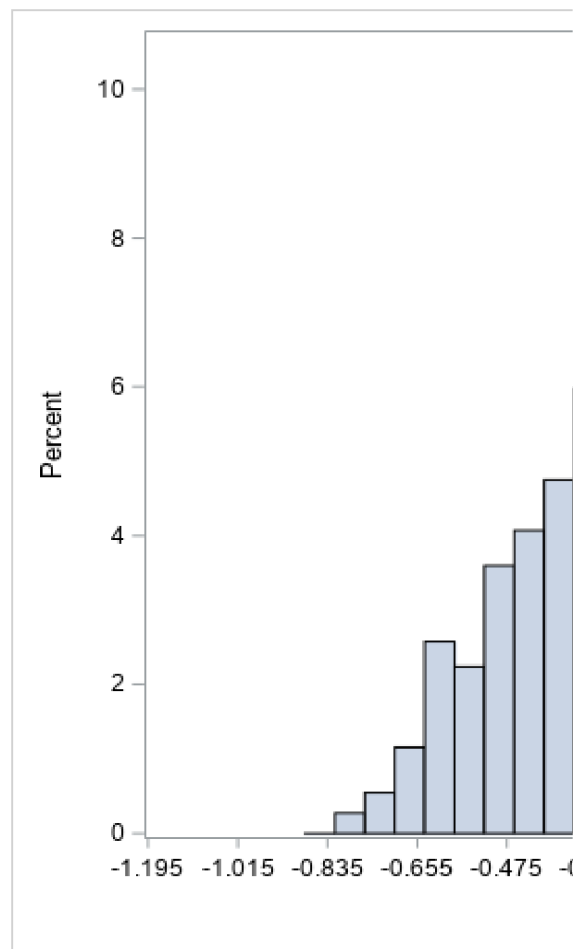
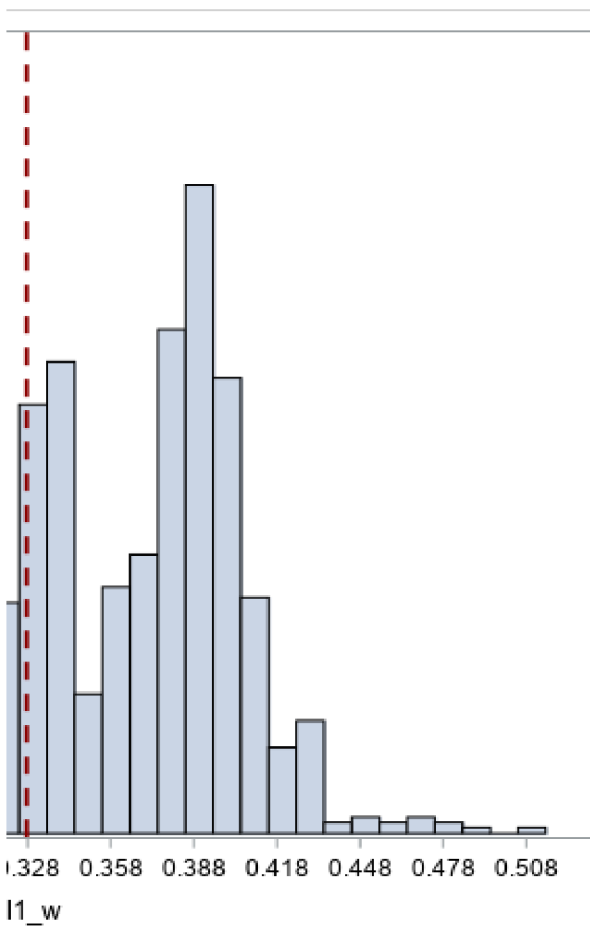
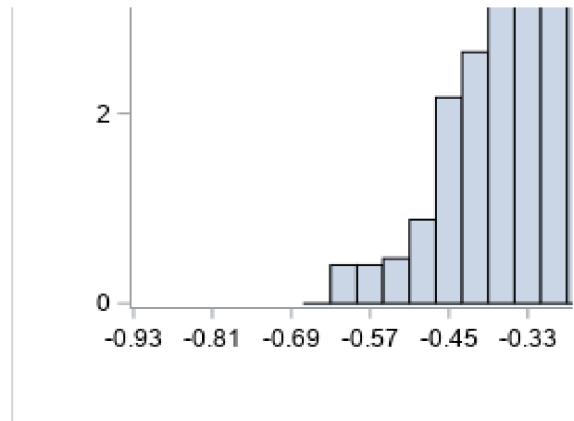
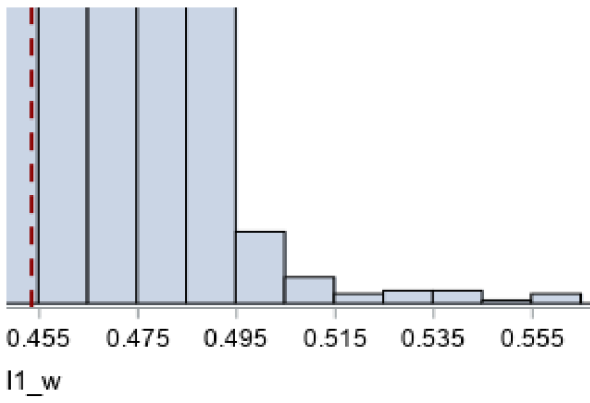


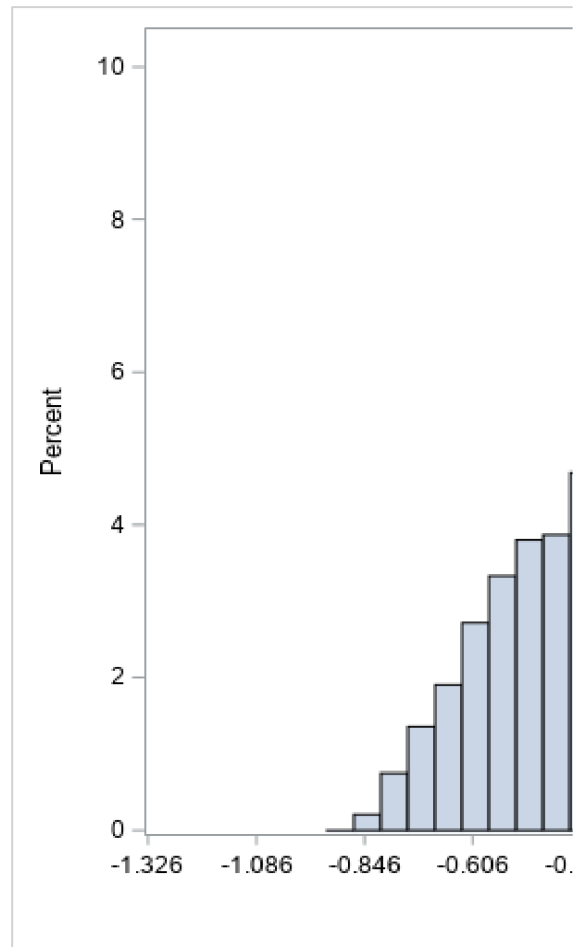
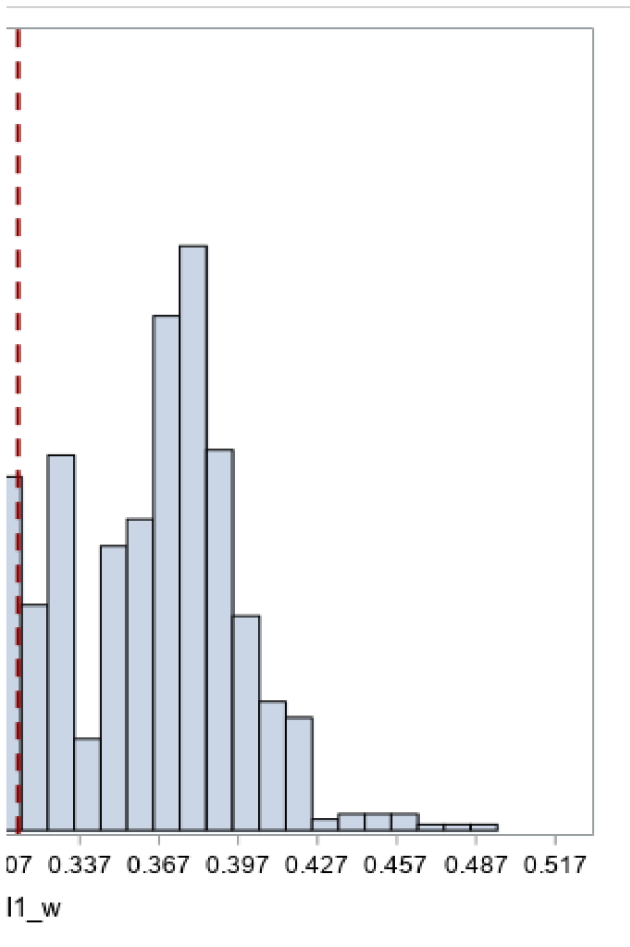
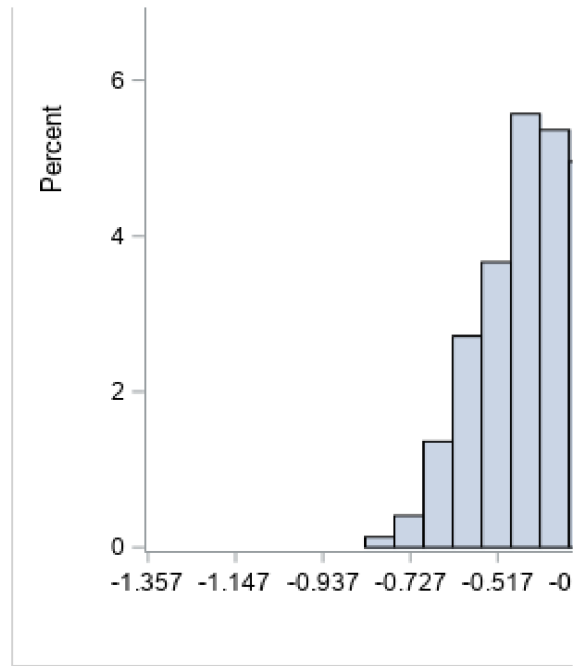
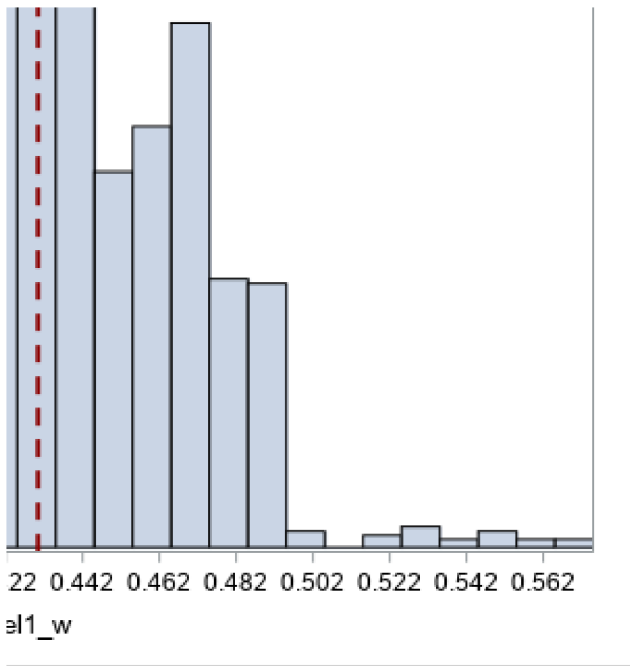


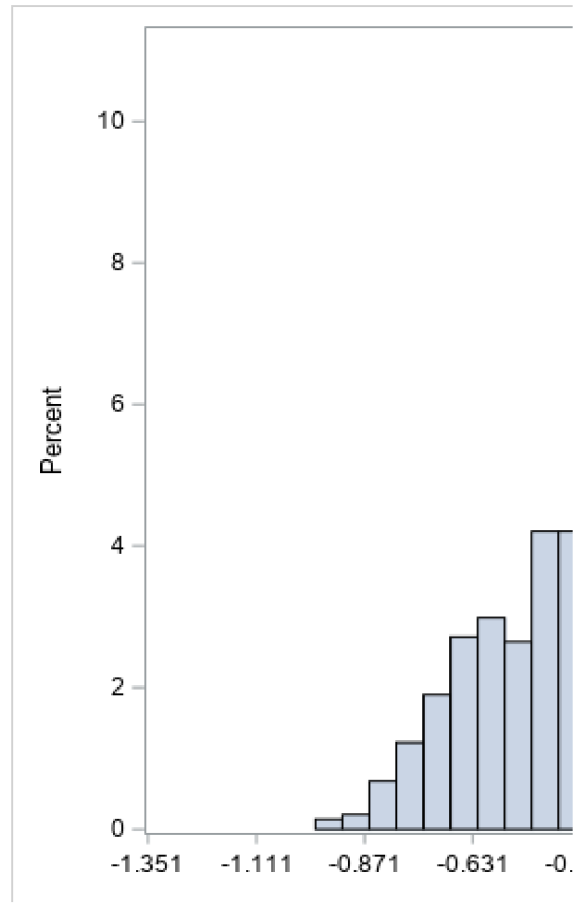
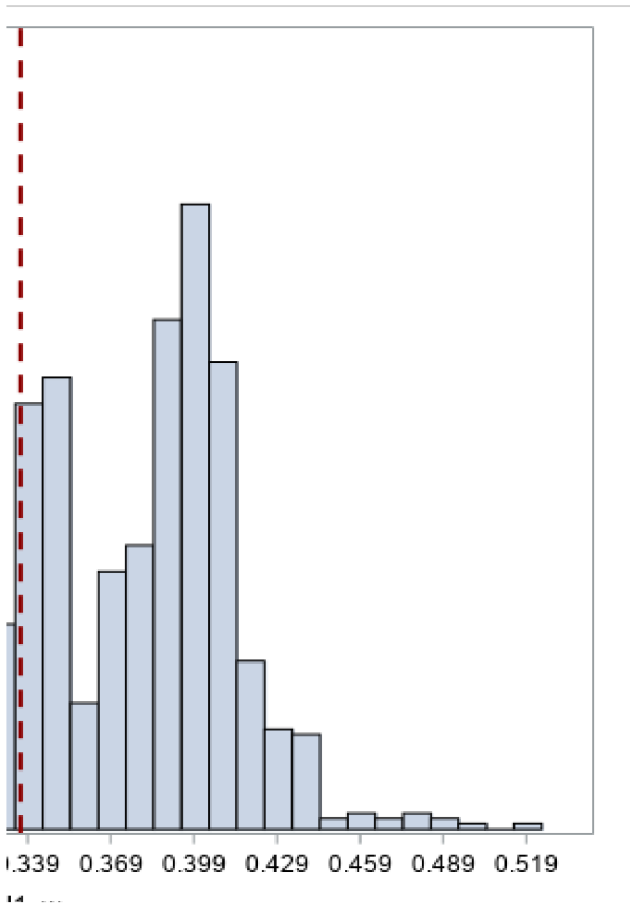
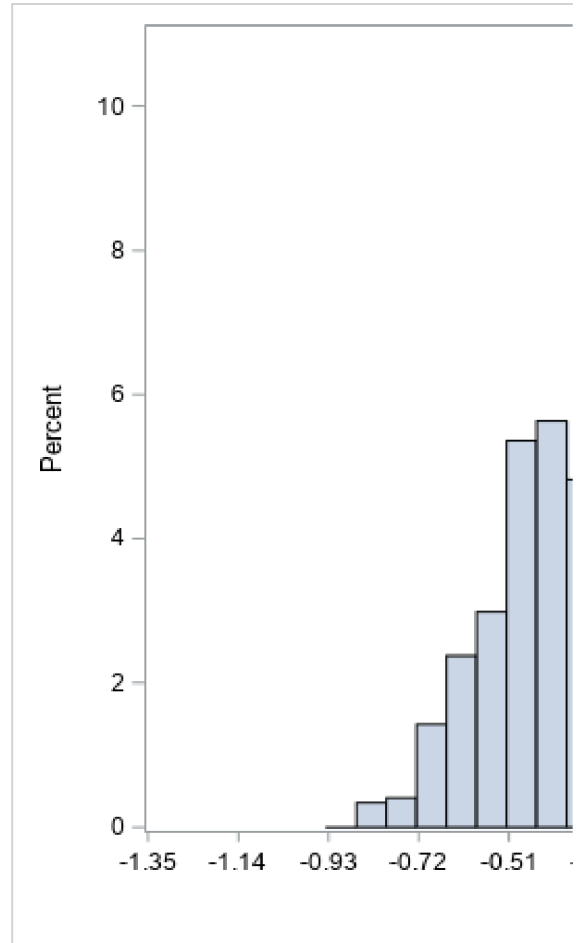
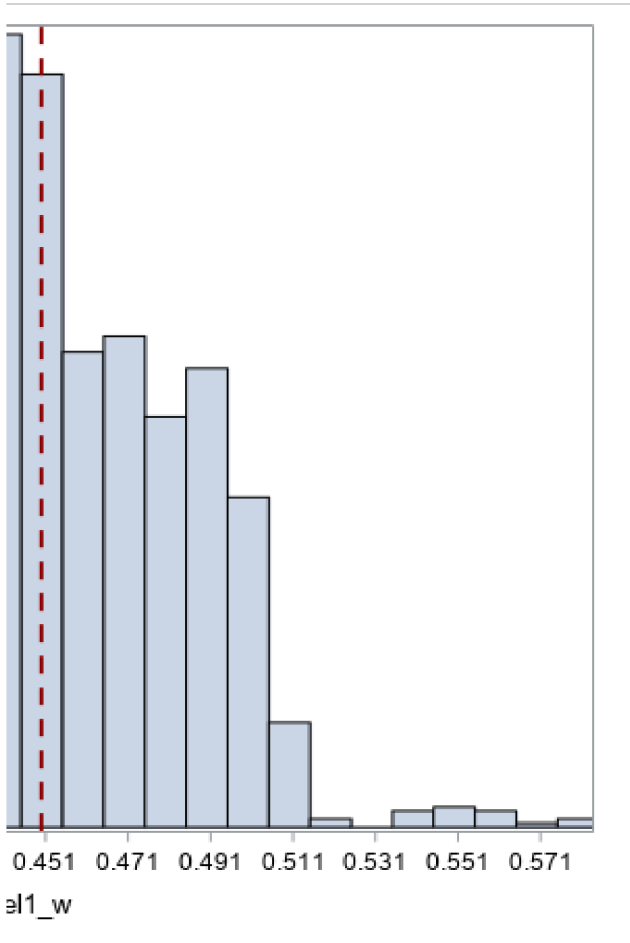


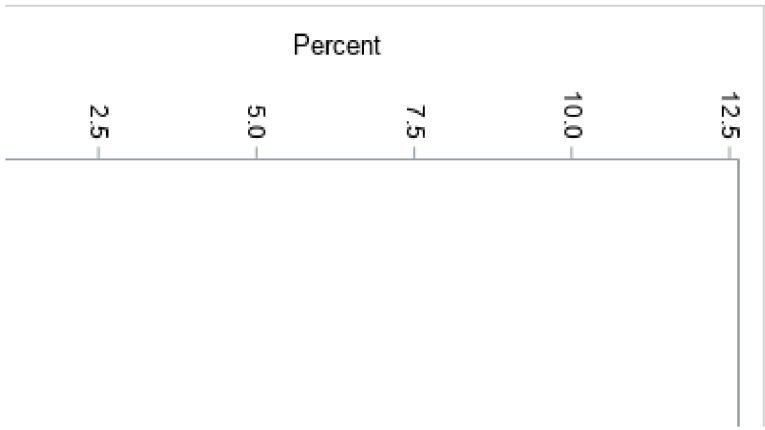
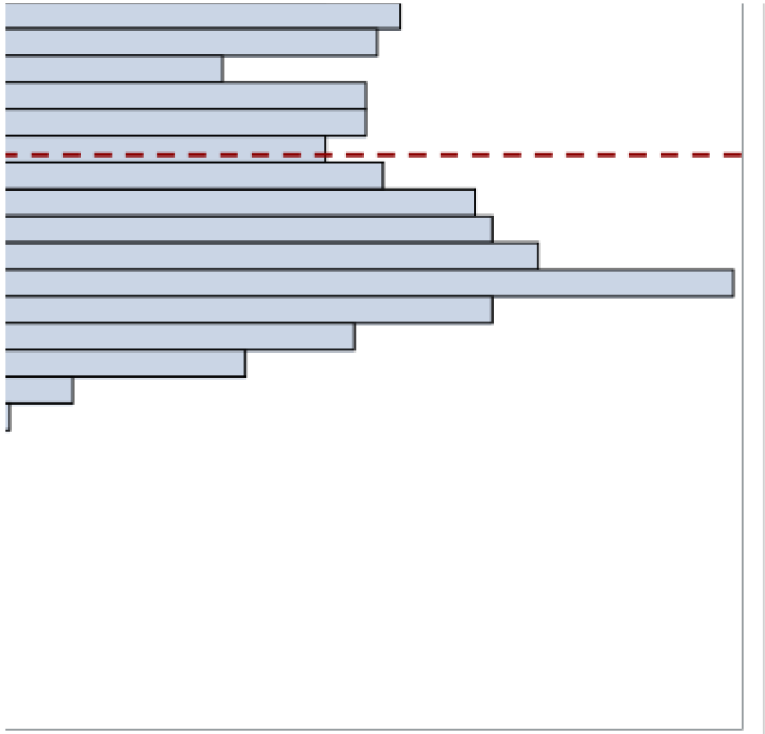


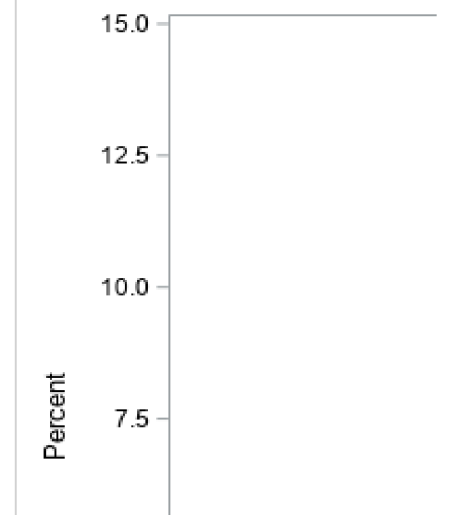
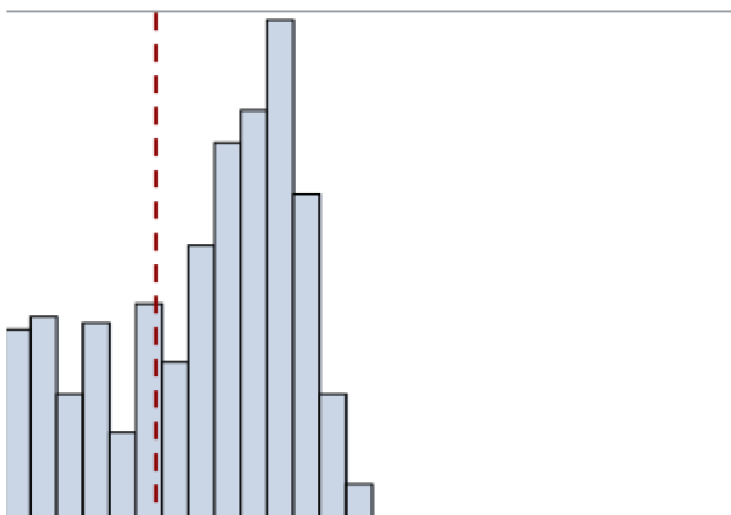
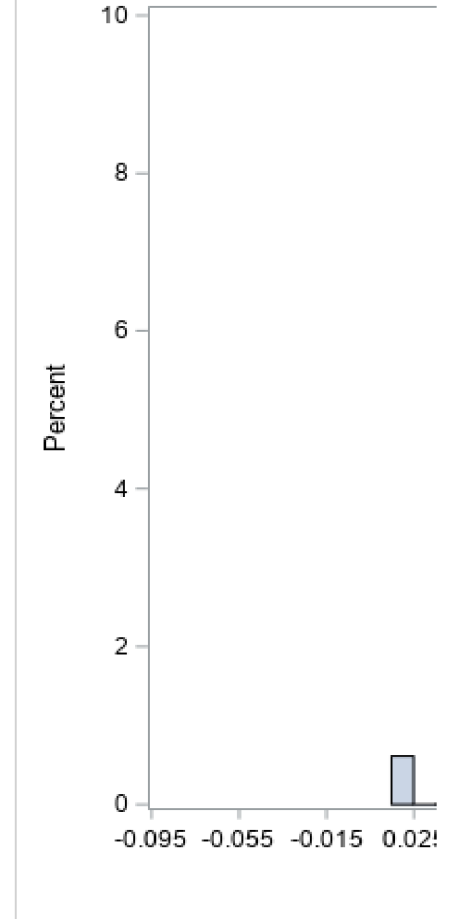
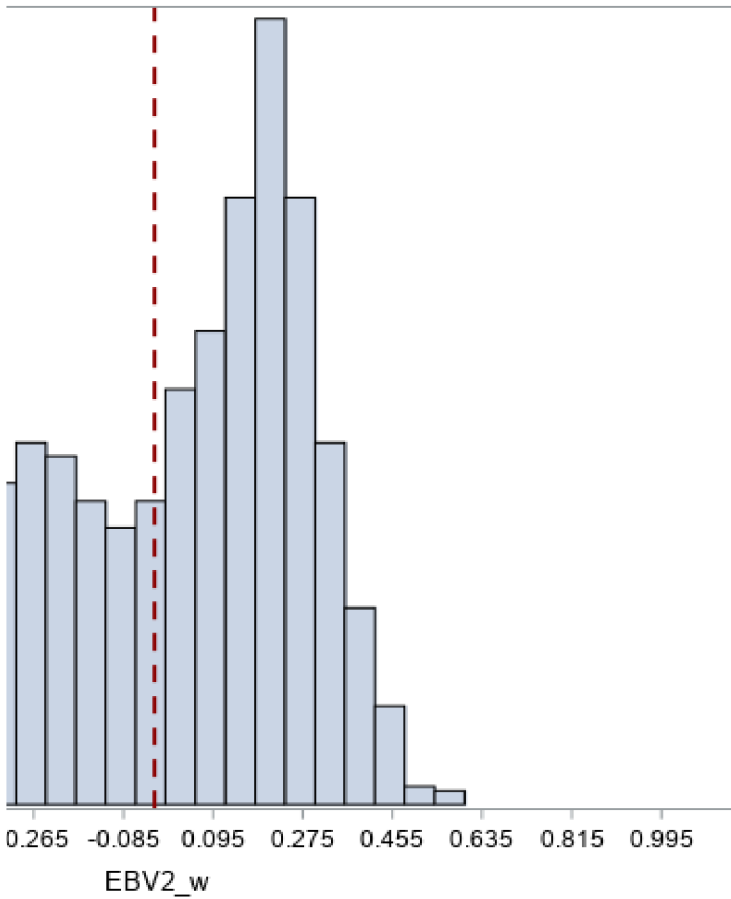
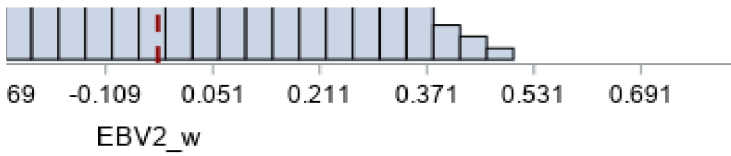


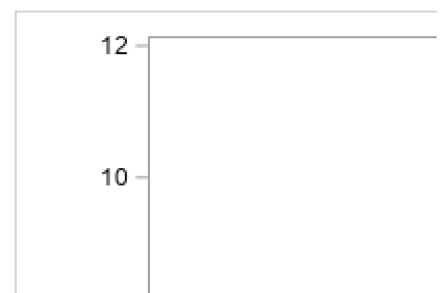
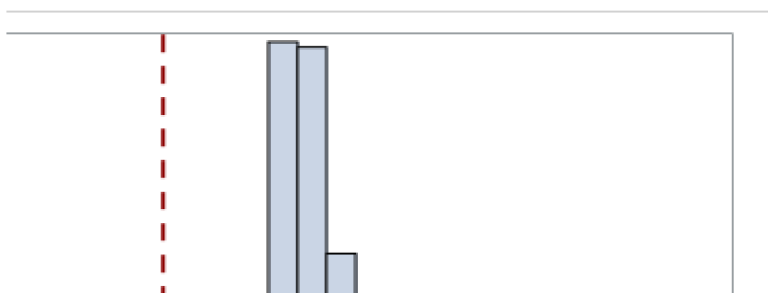
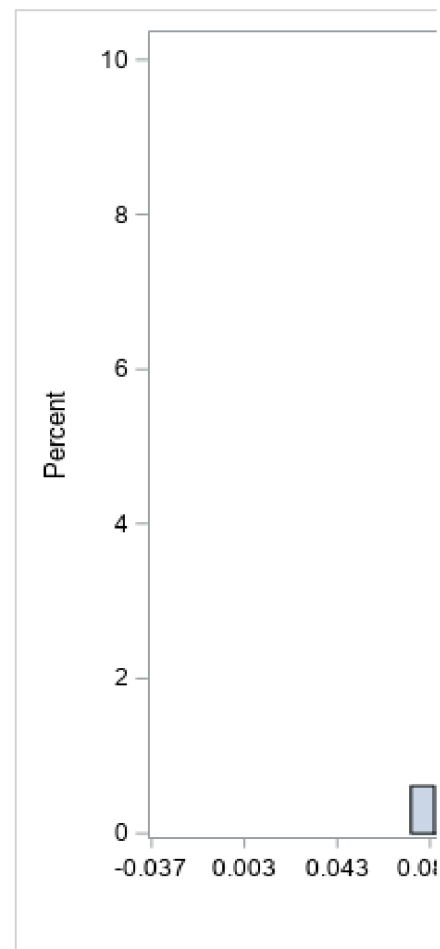
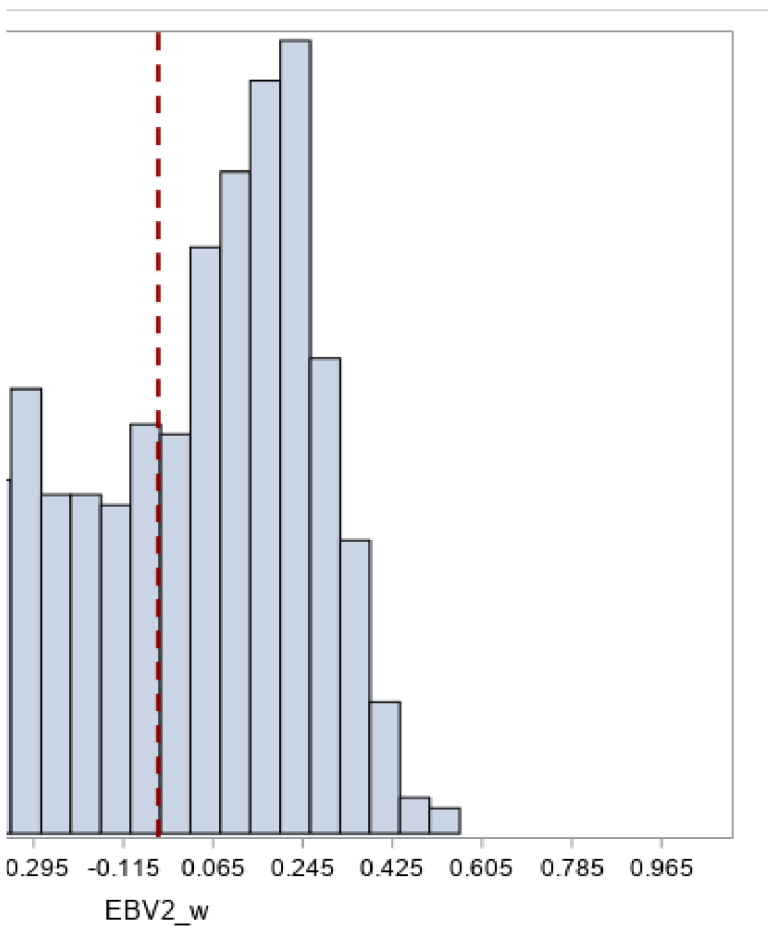
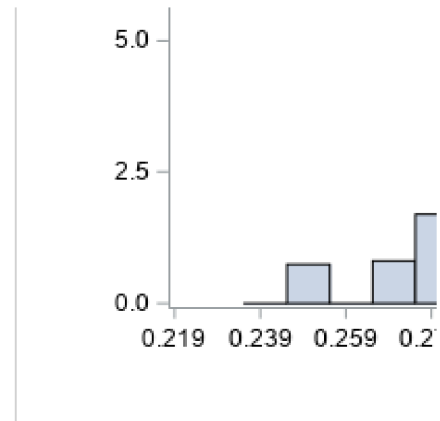
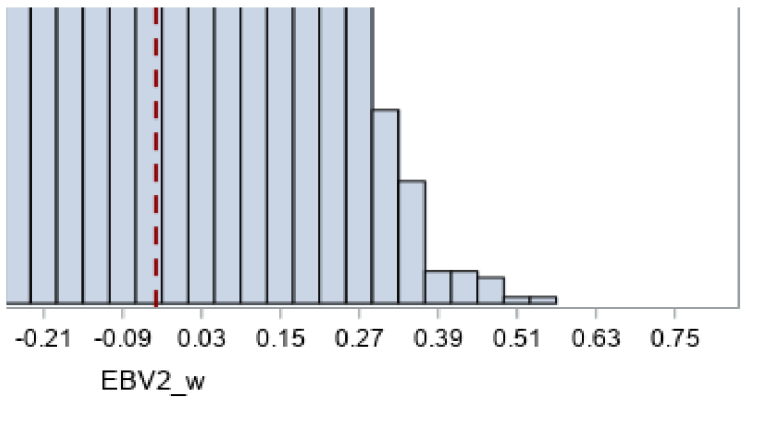


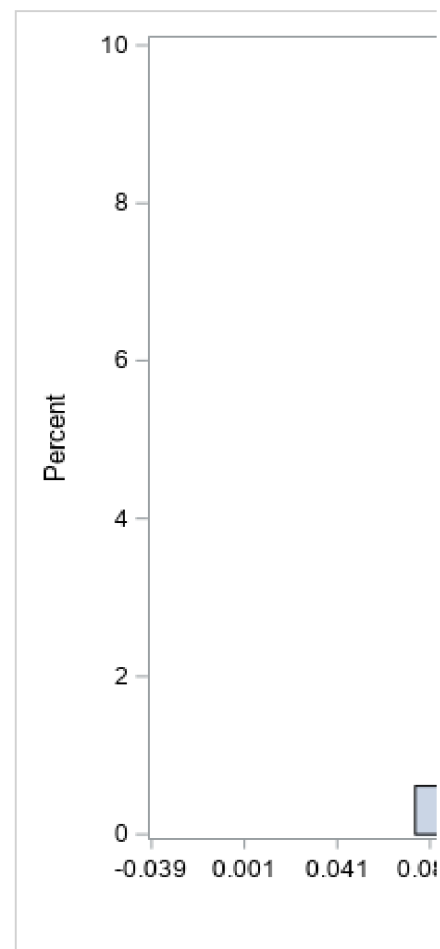
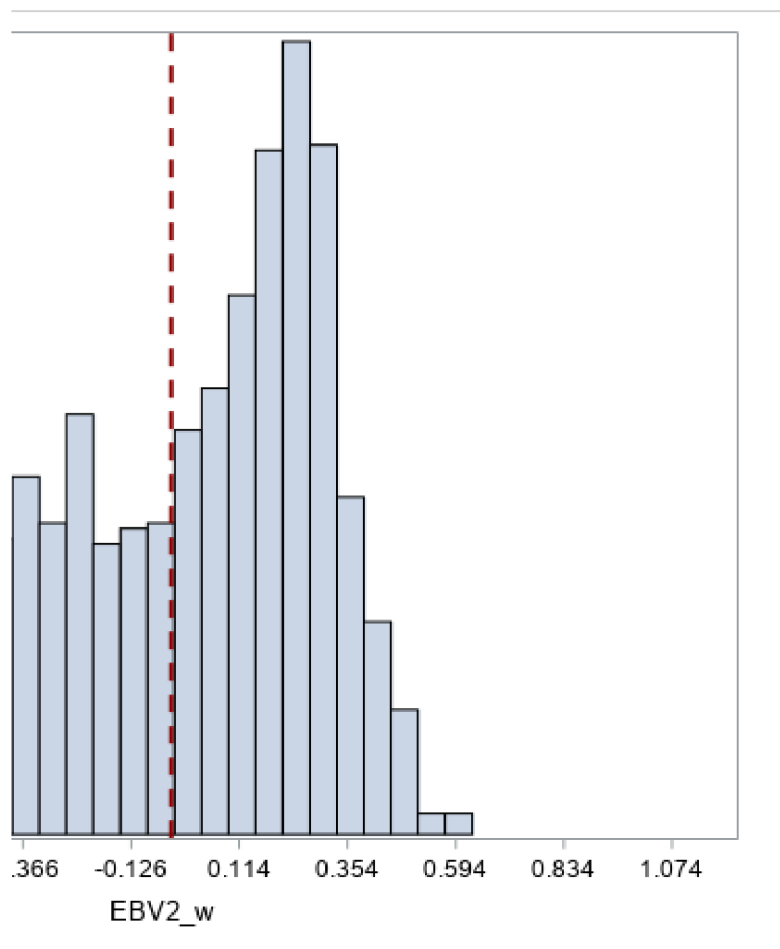
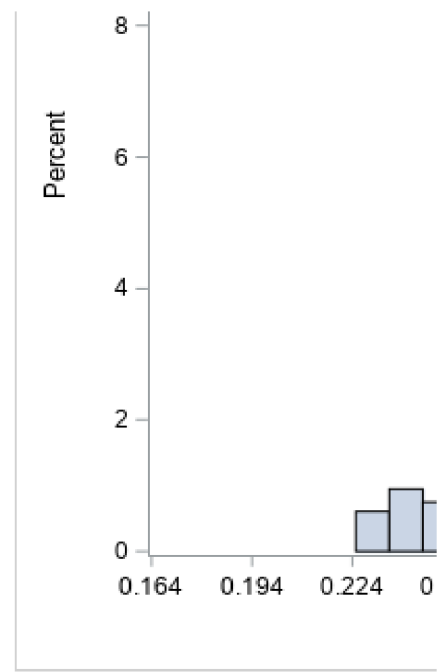
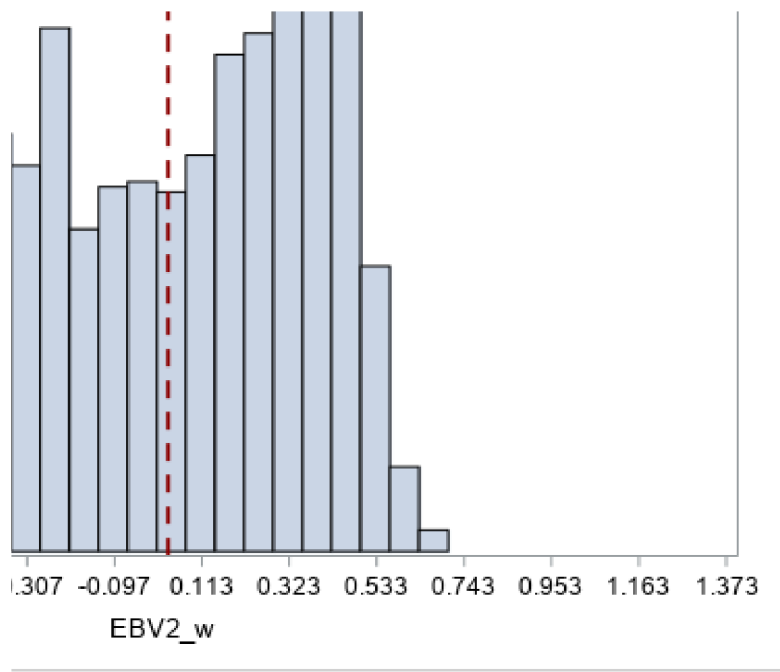


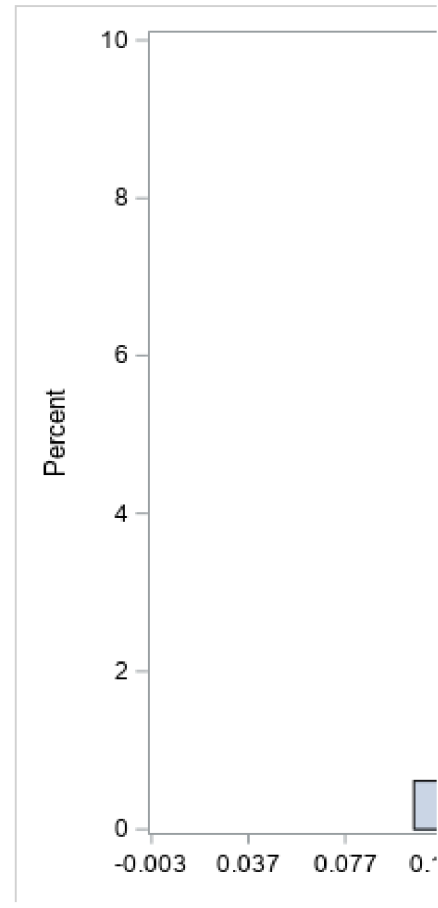
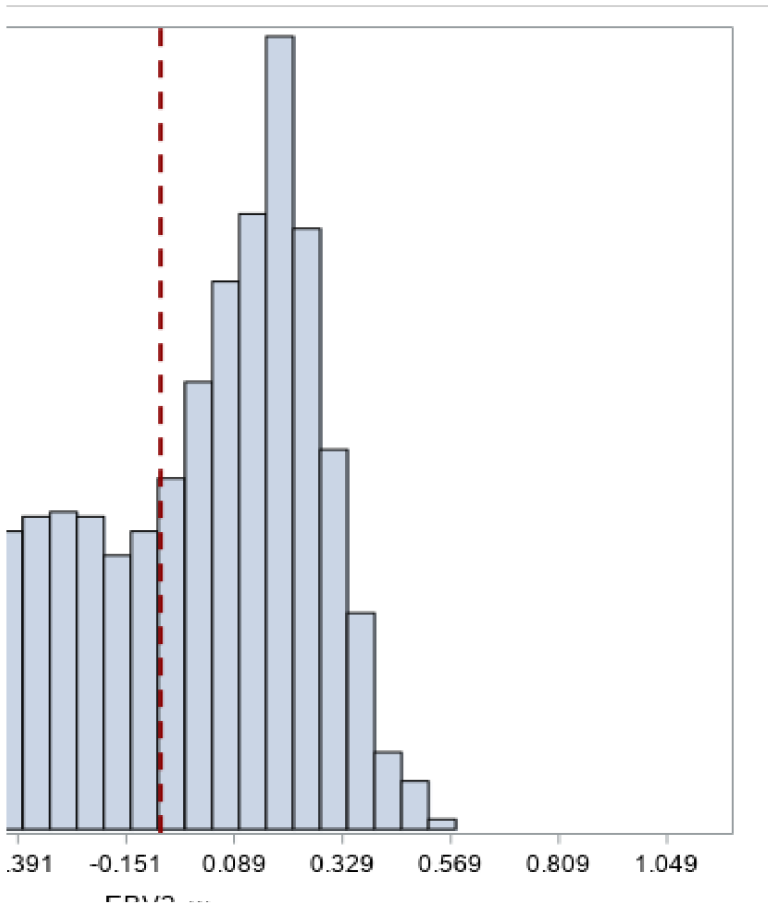
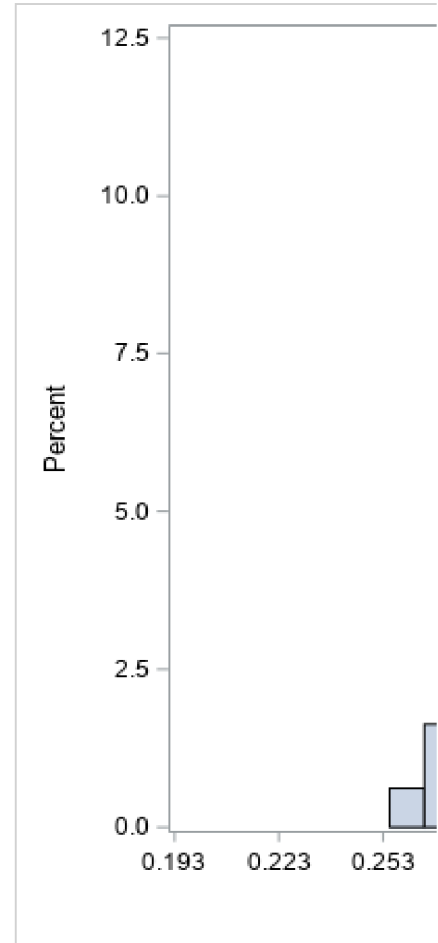
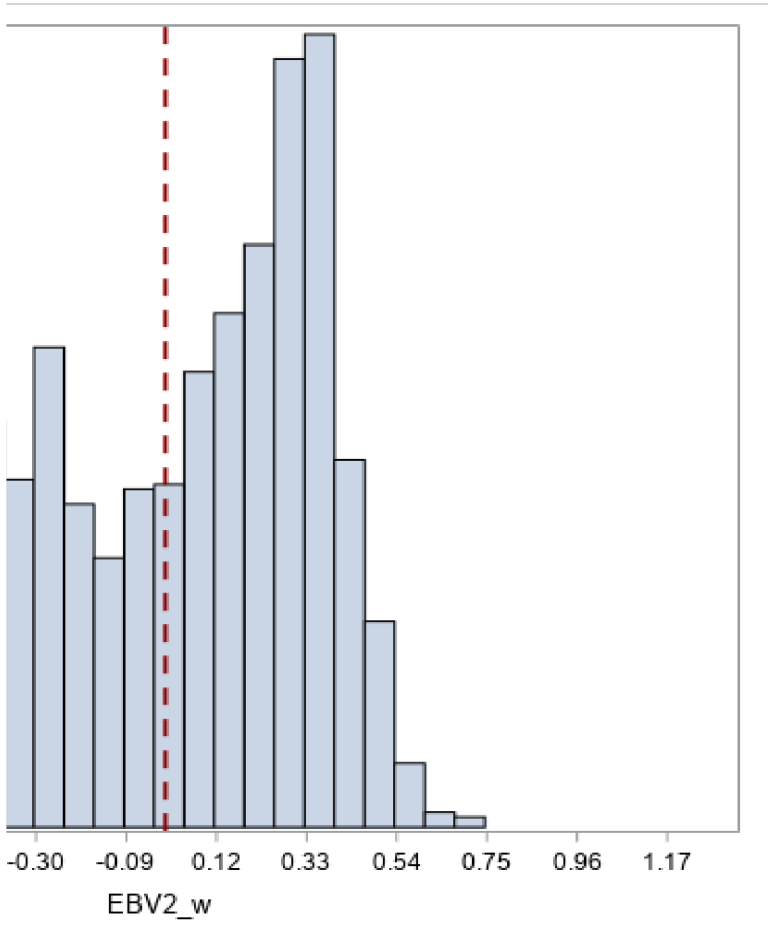


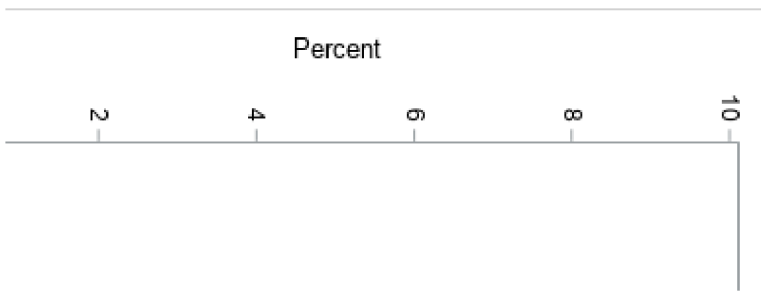
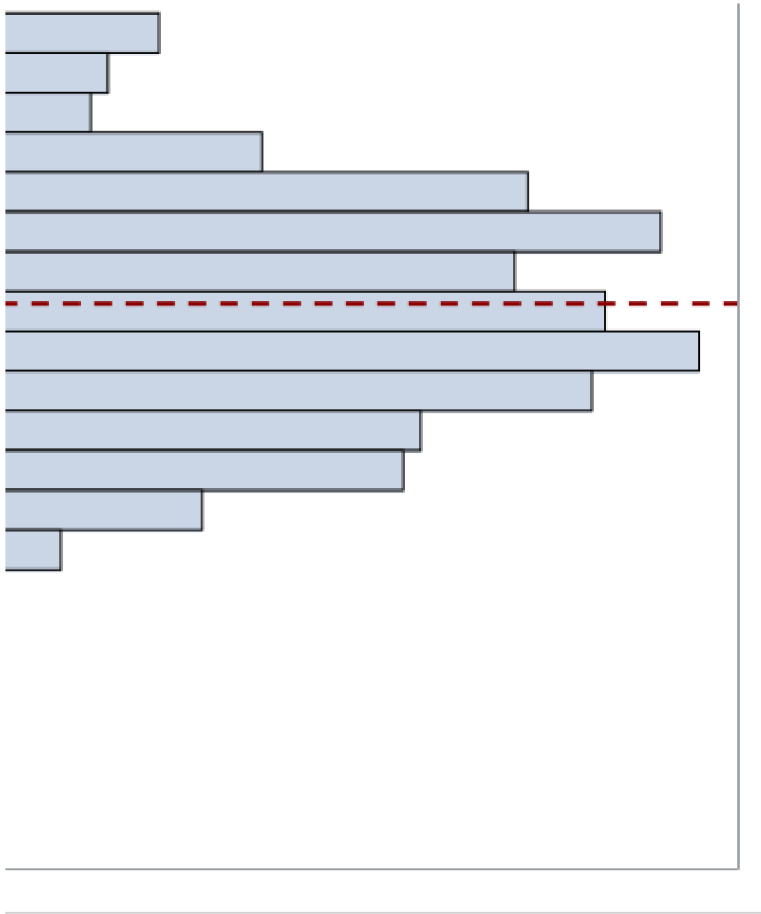


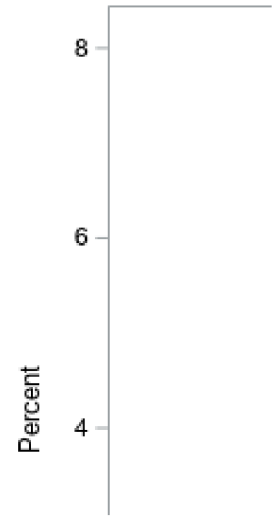
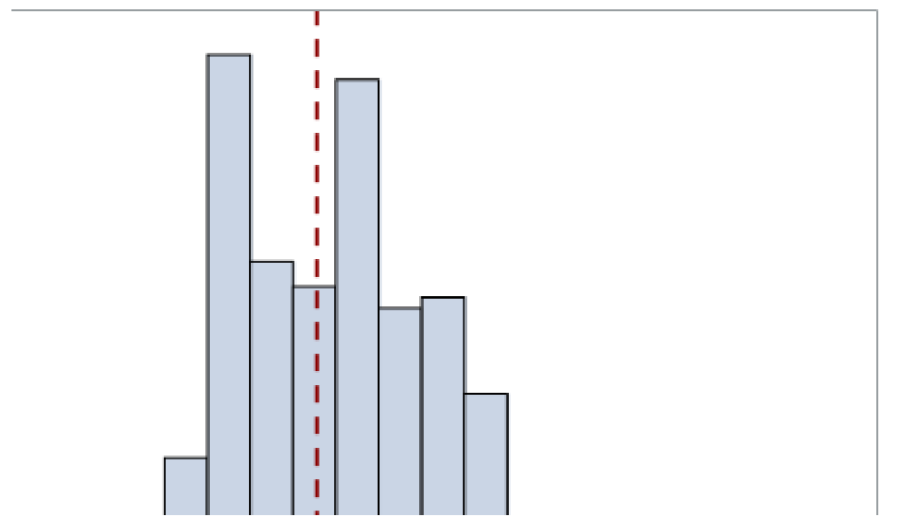
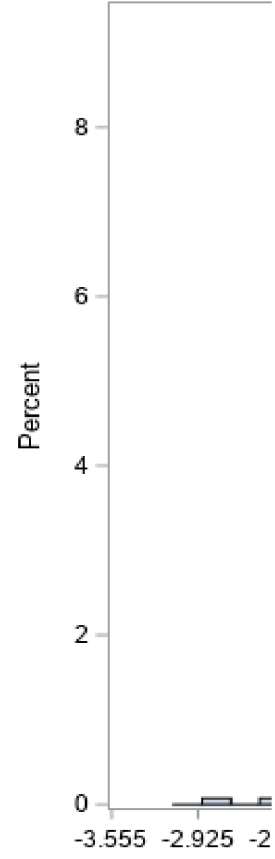
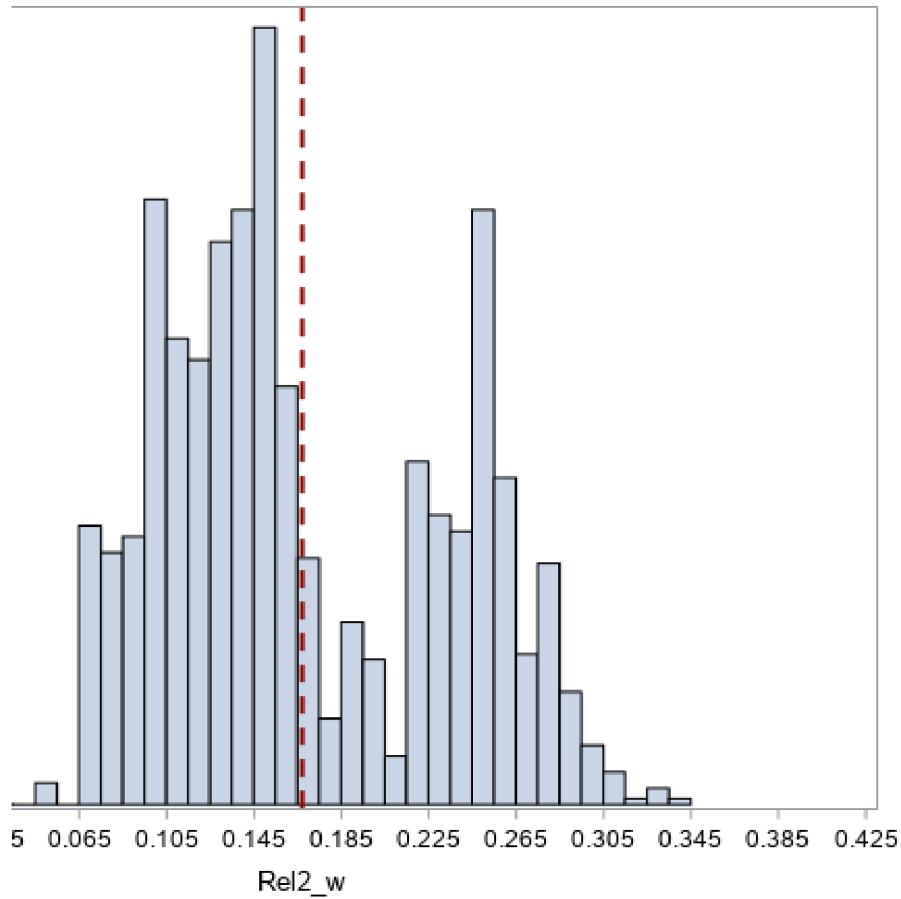
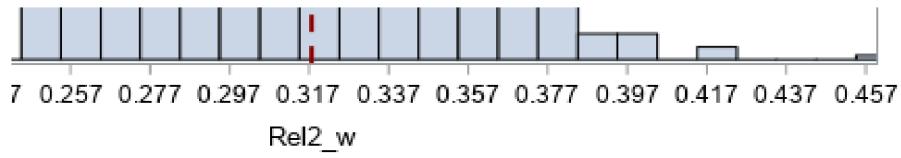


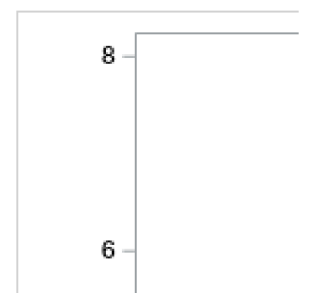
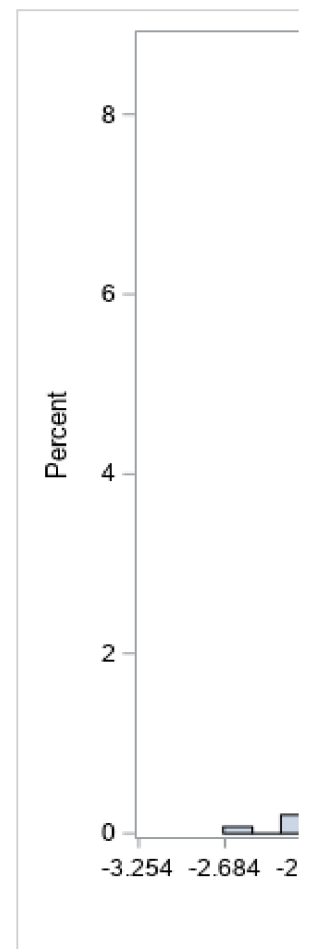
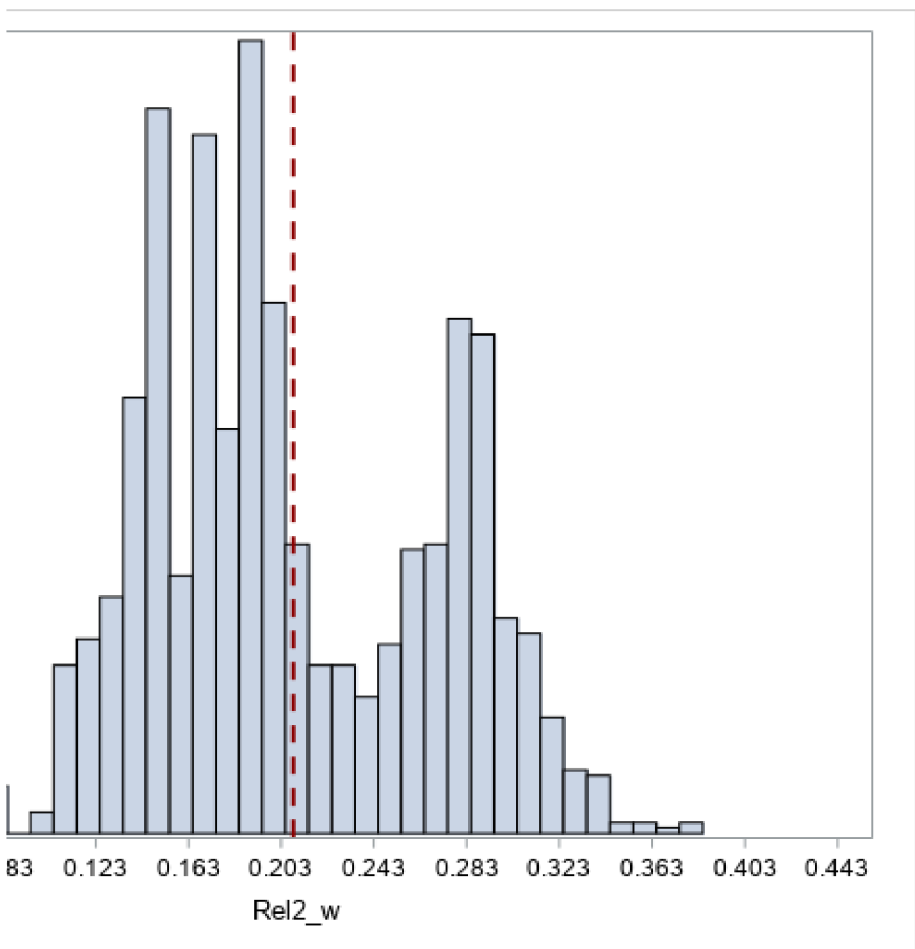
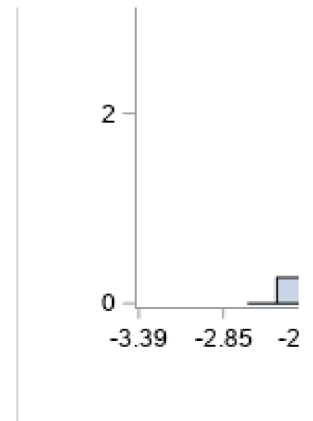
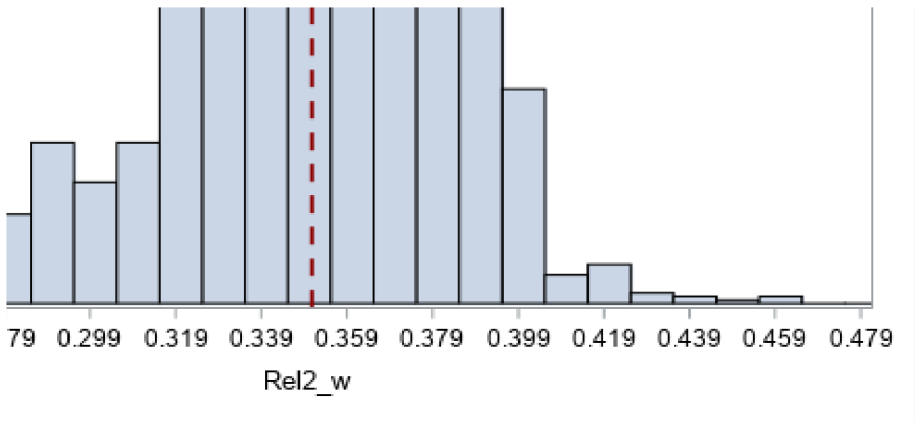


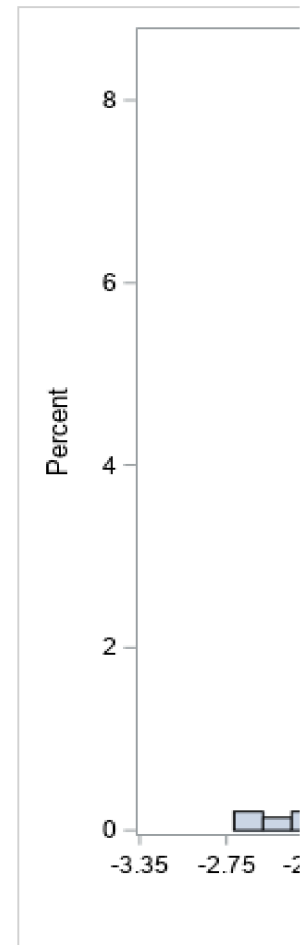
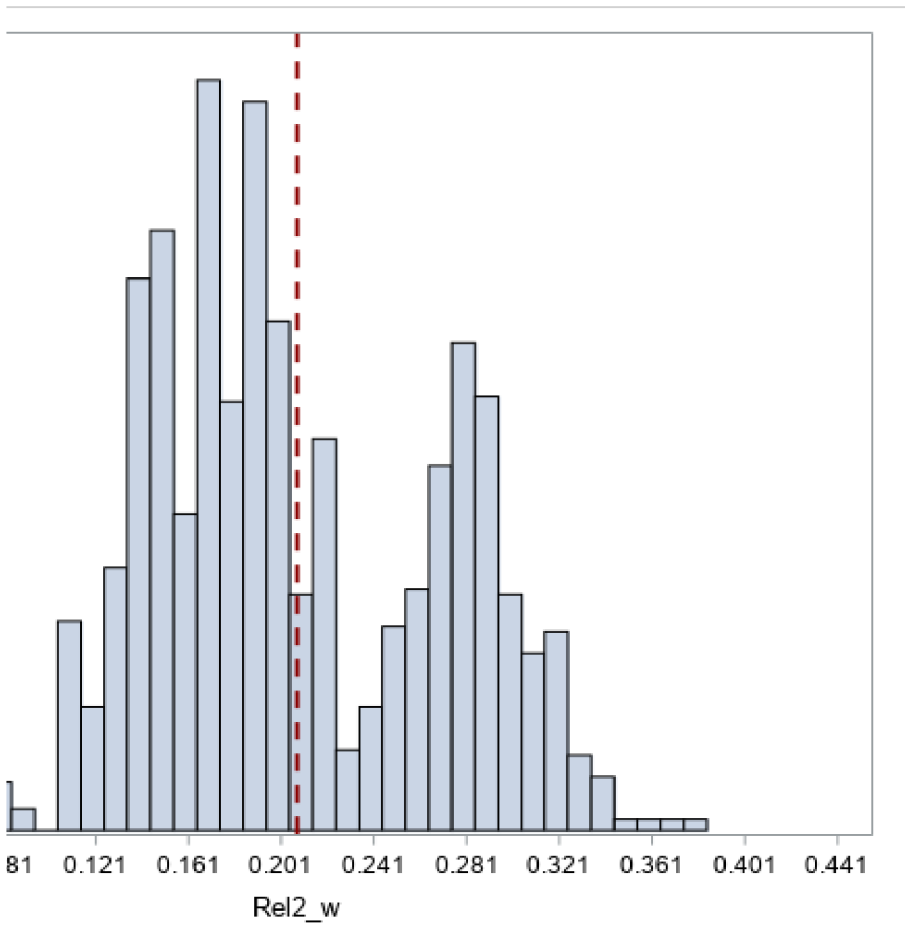
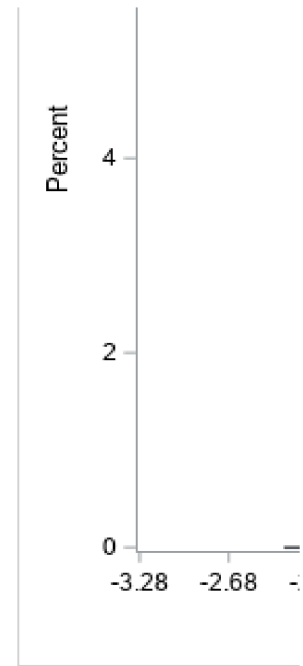
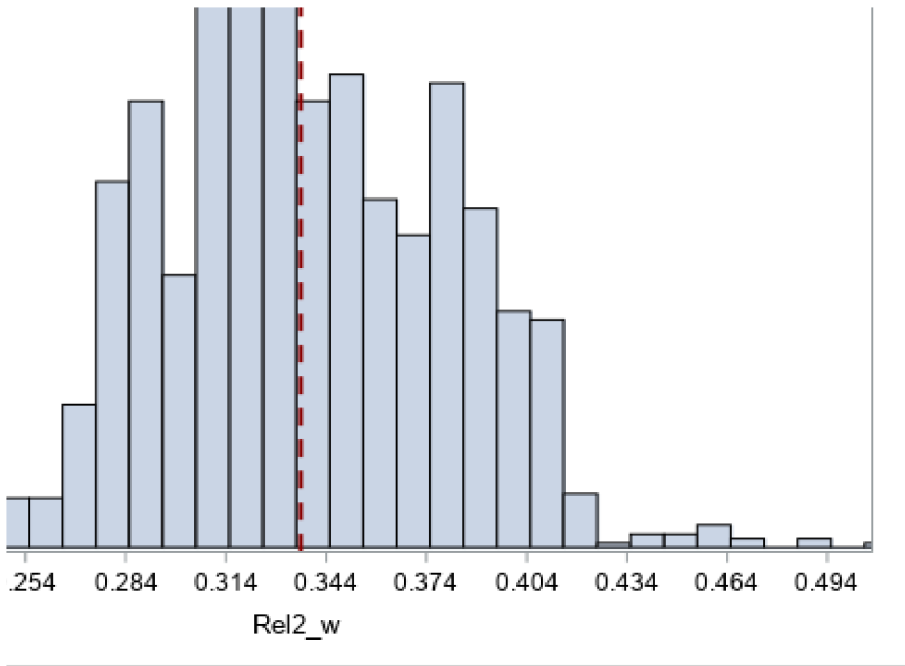


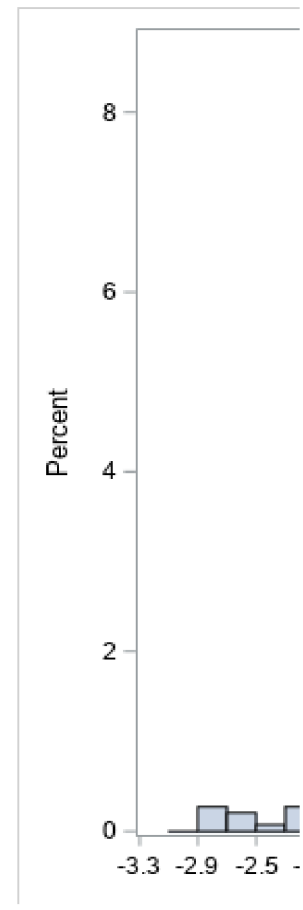
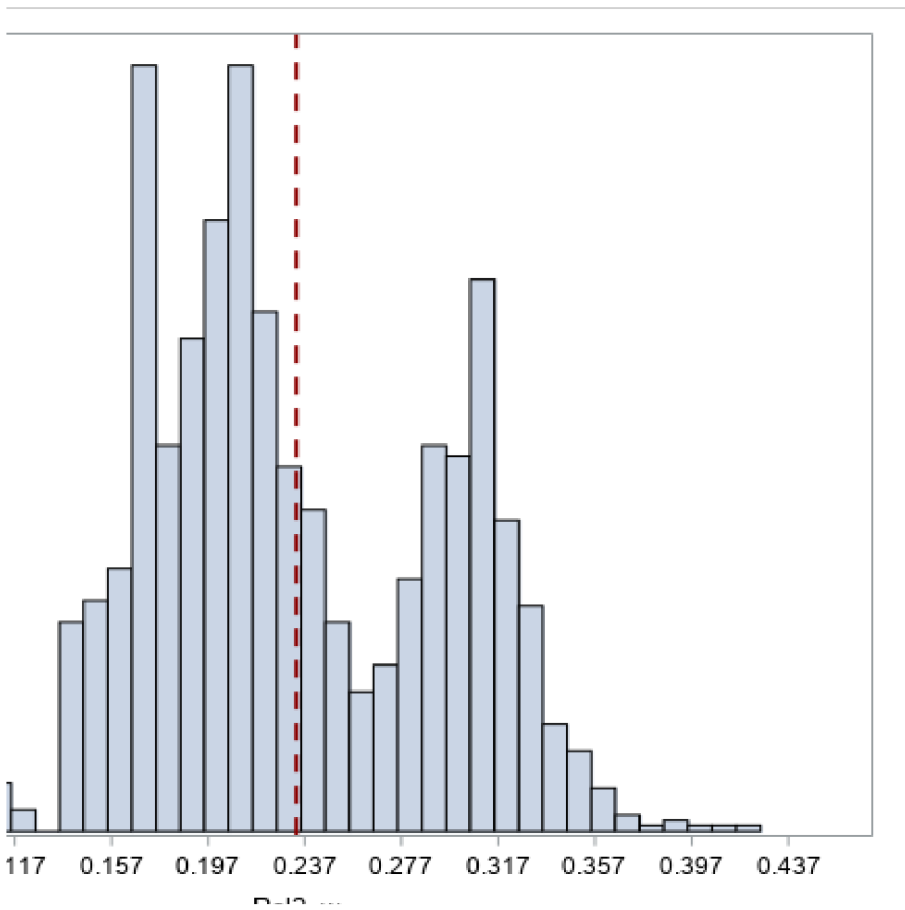
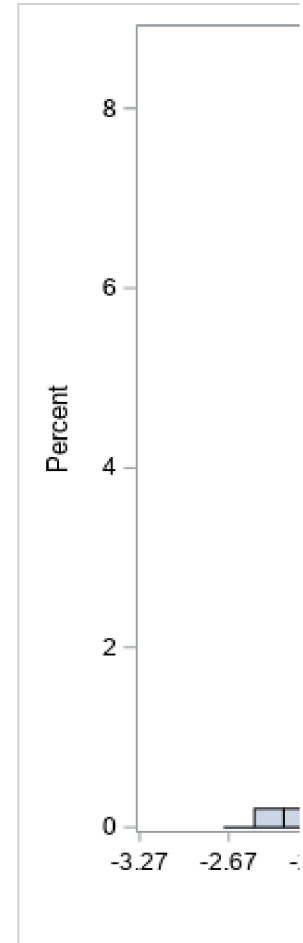
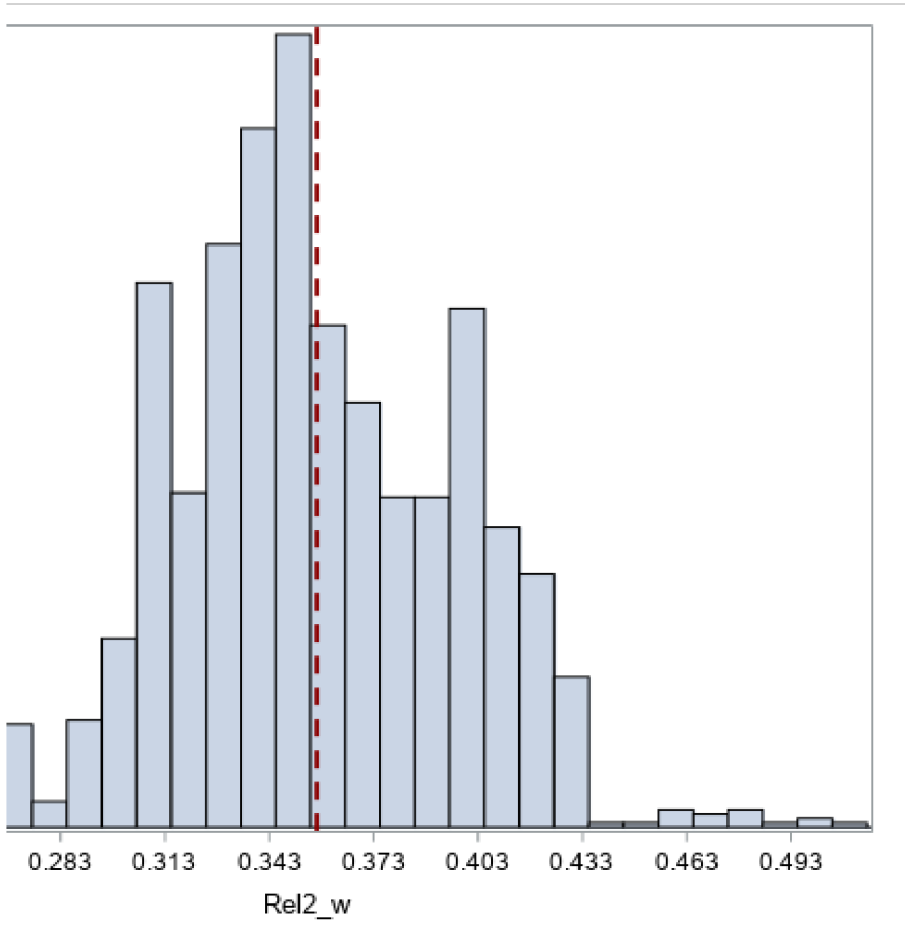




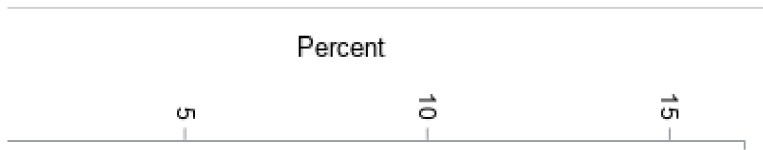
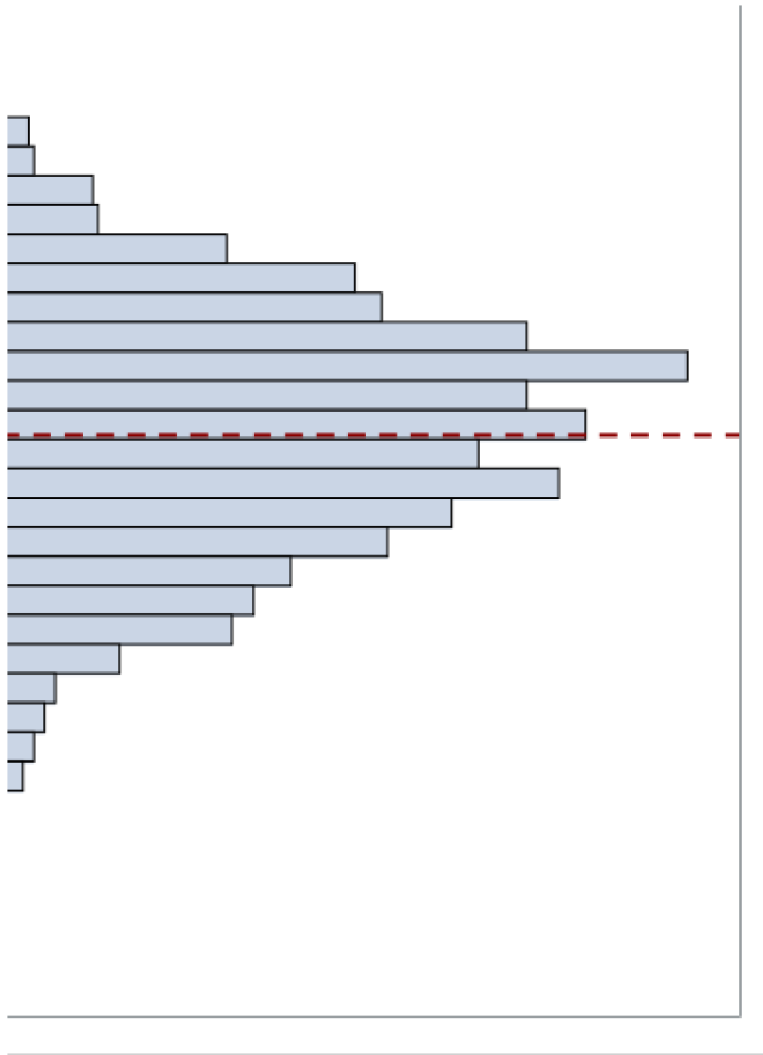


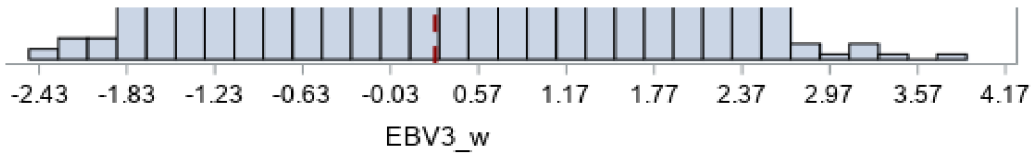




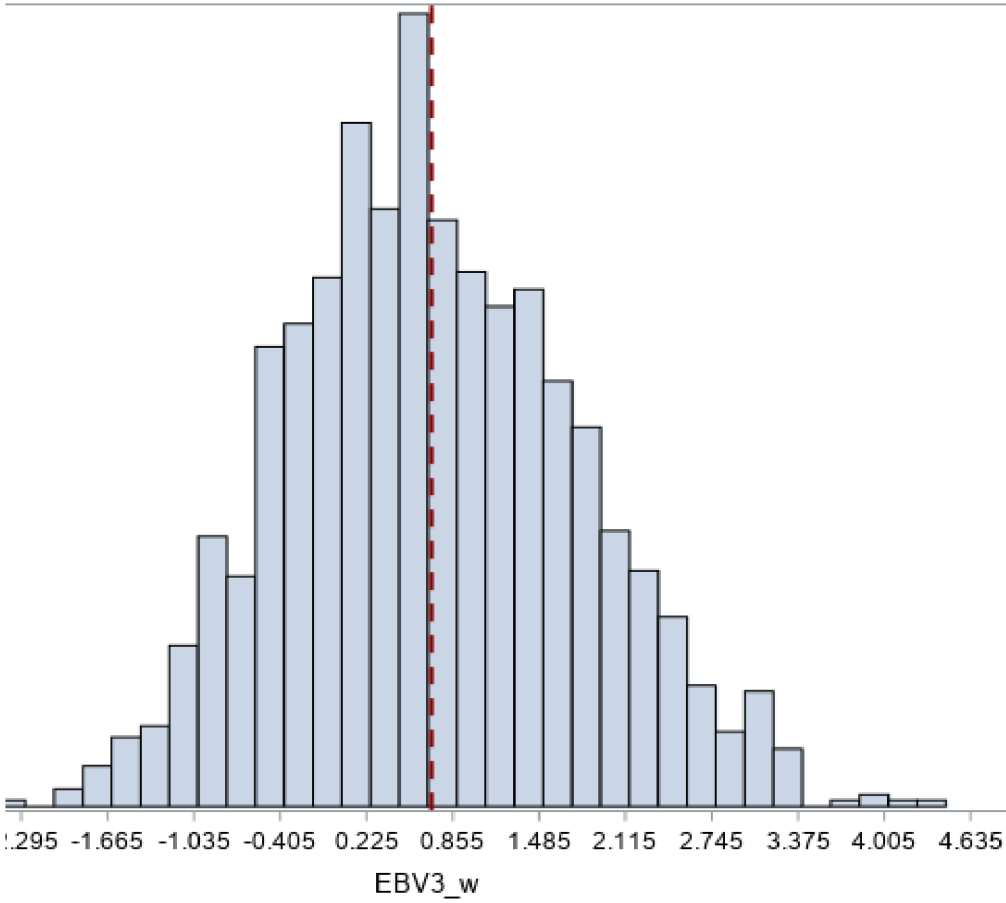


Rel2_w



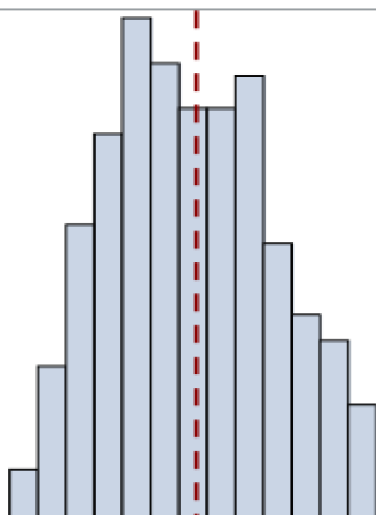


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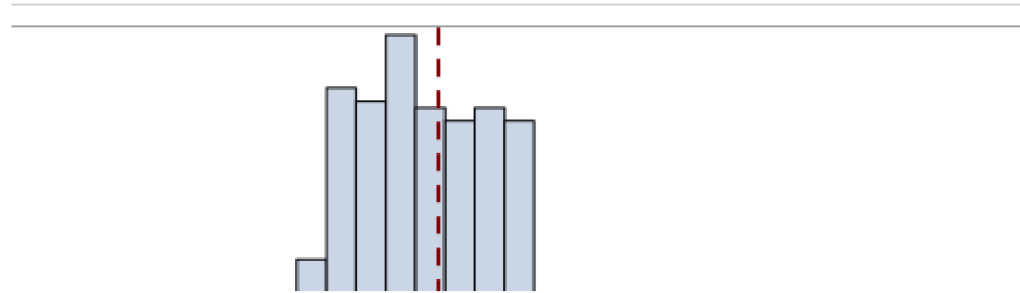
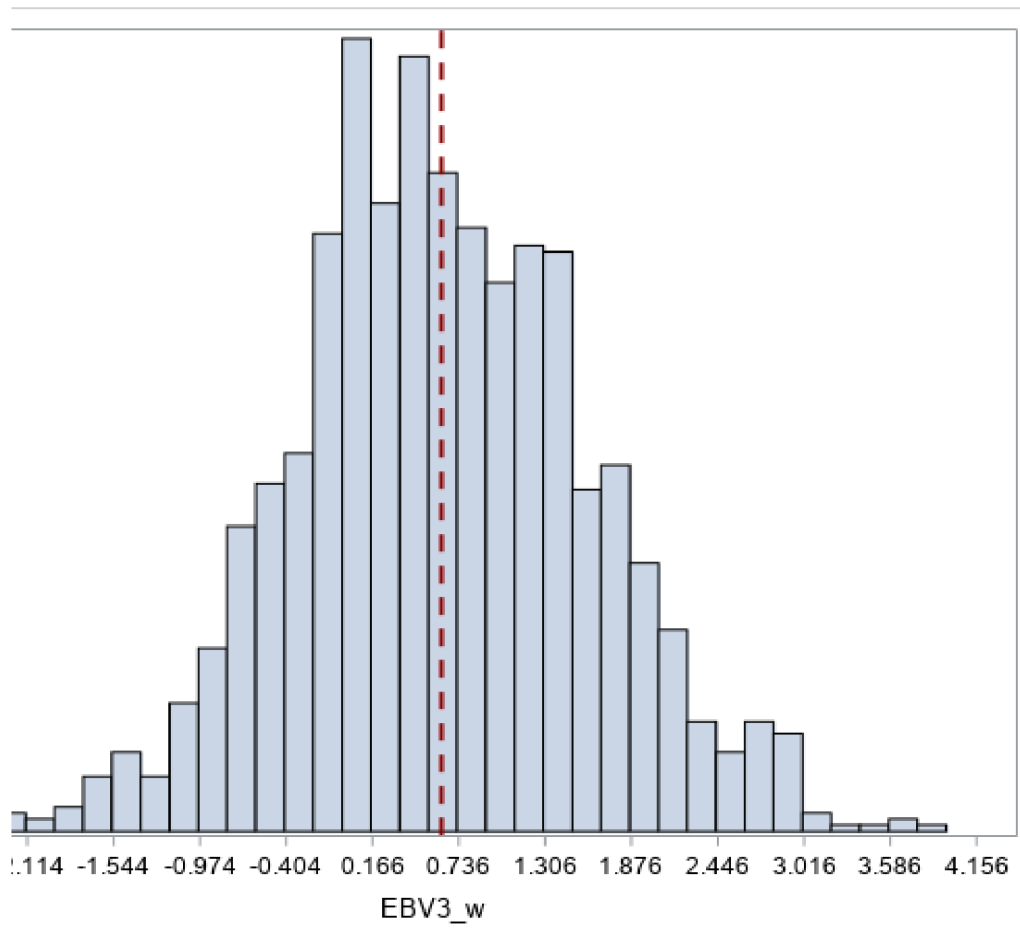
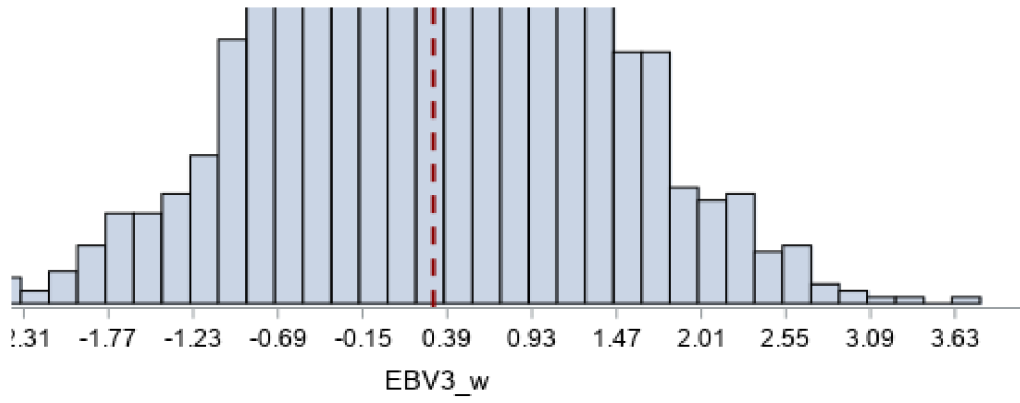
Percent

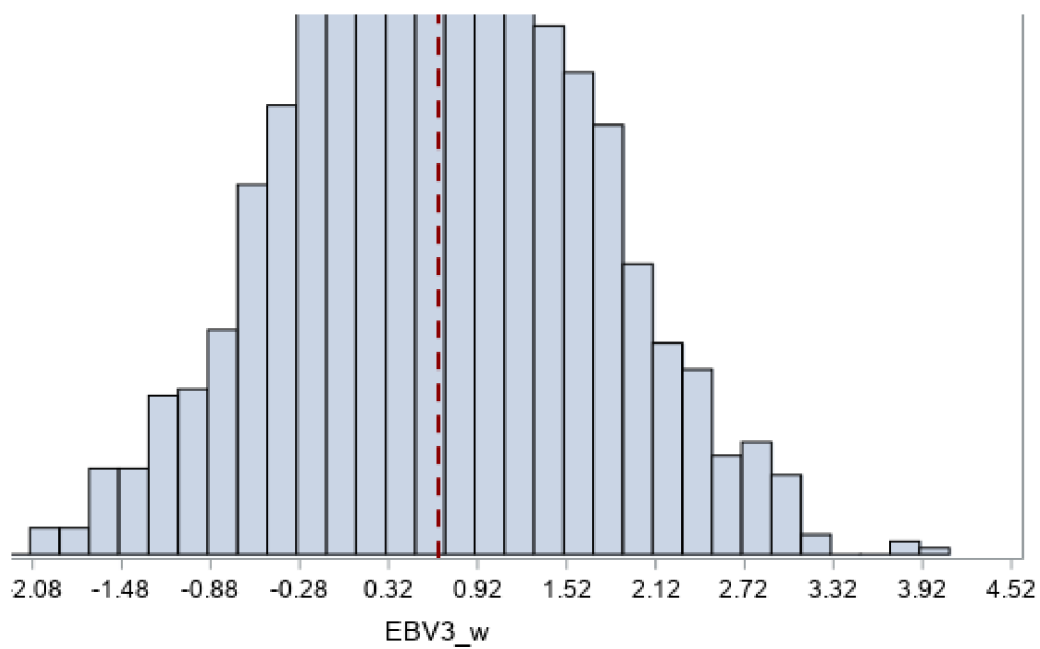
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6
4
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0.0



Percent

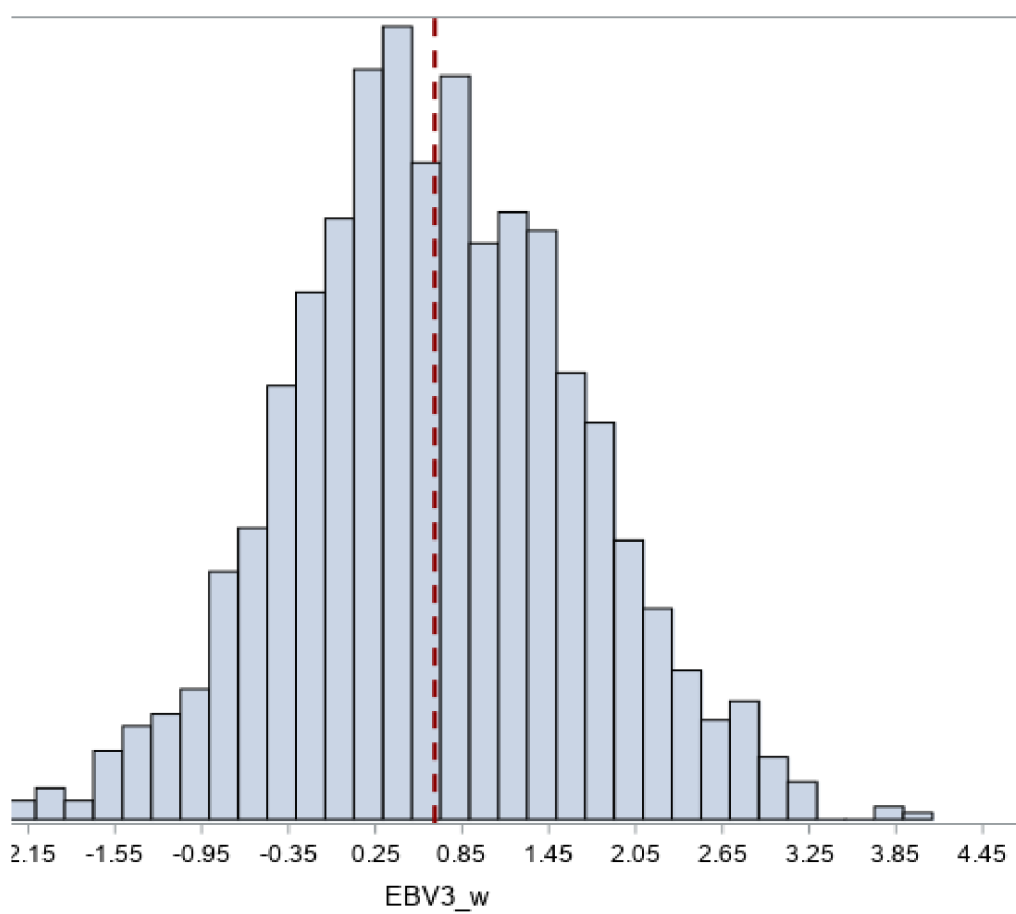
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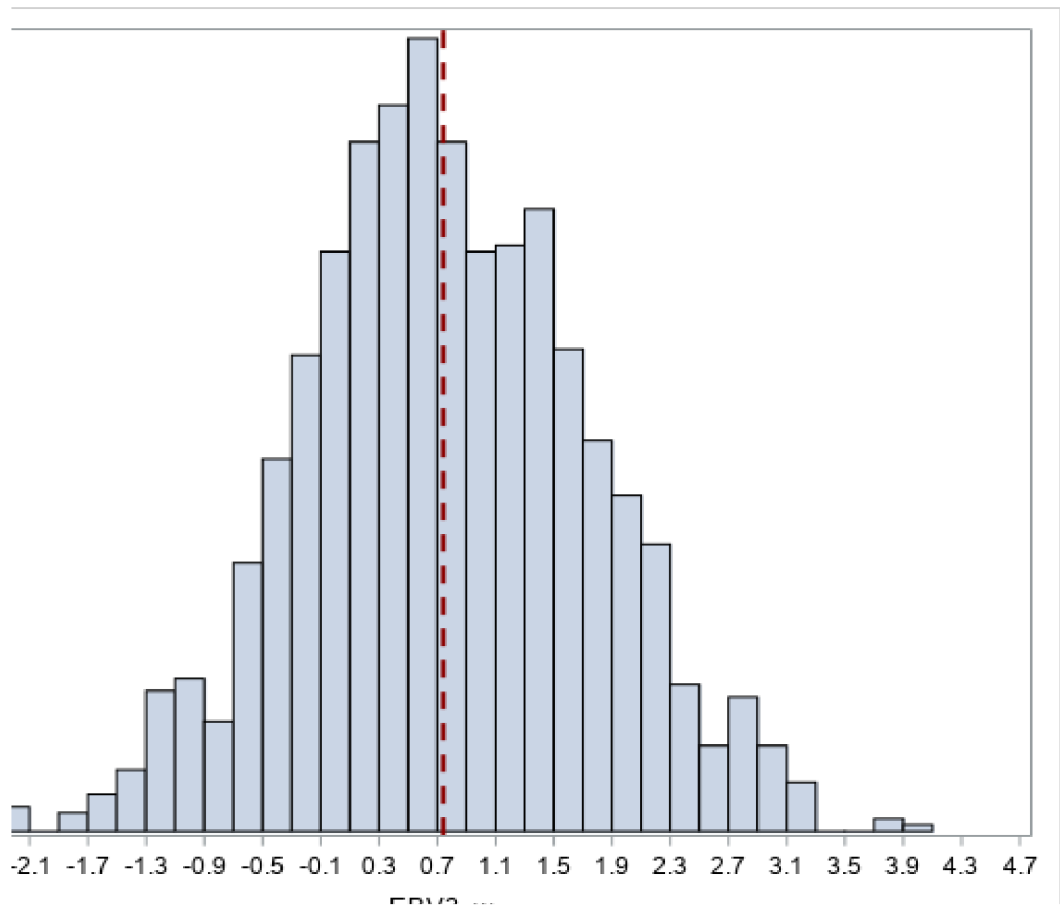
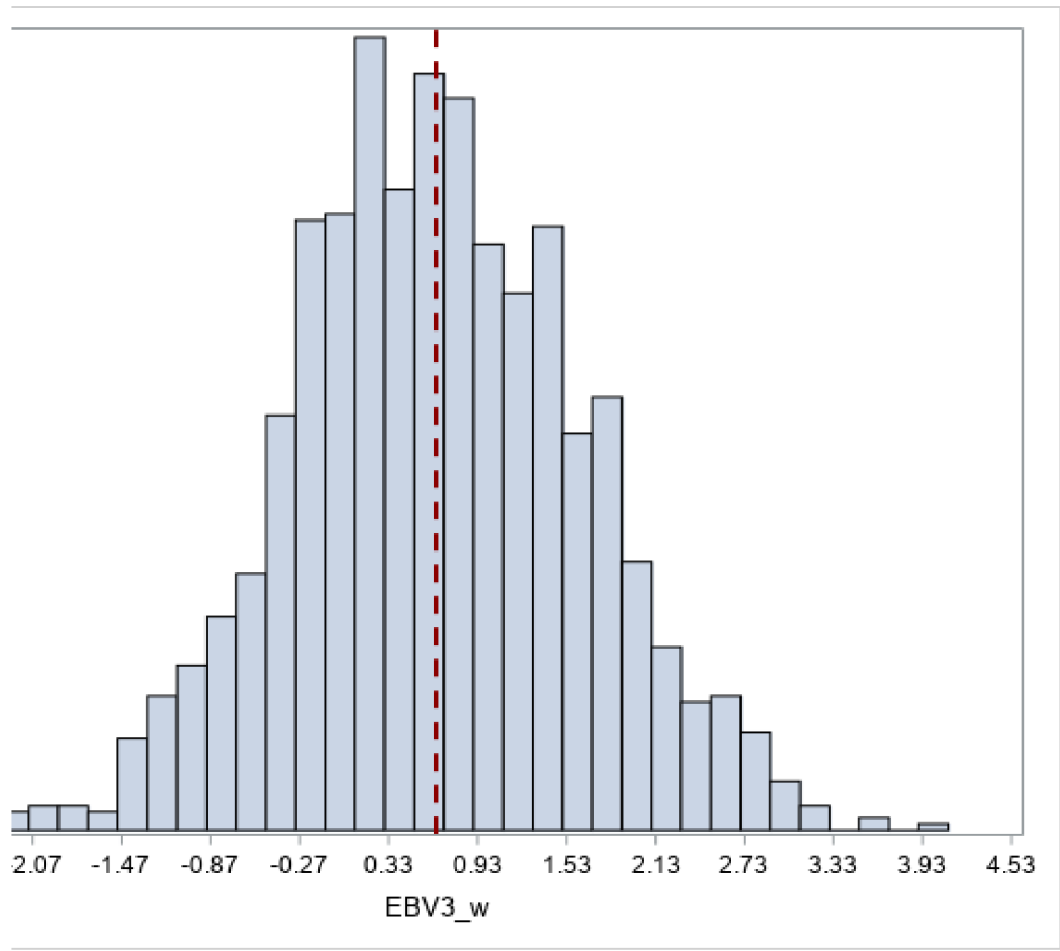
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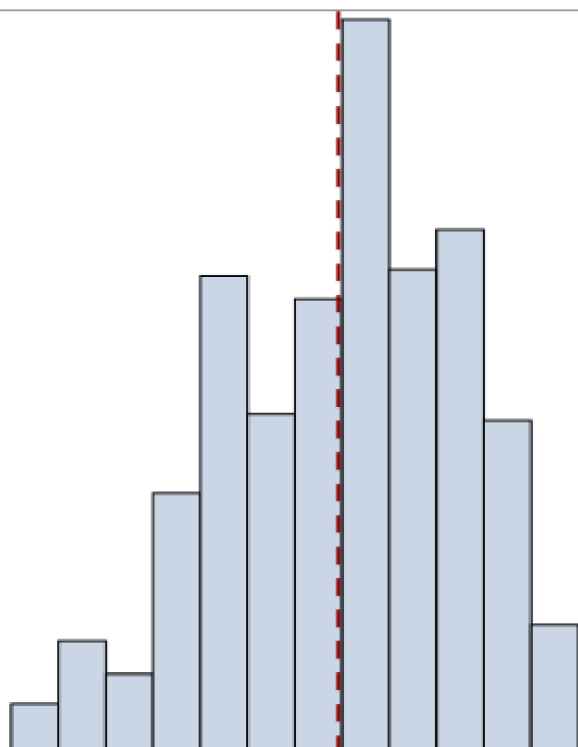
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2.5
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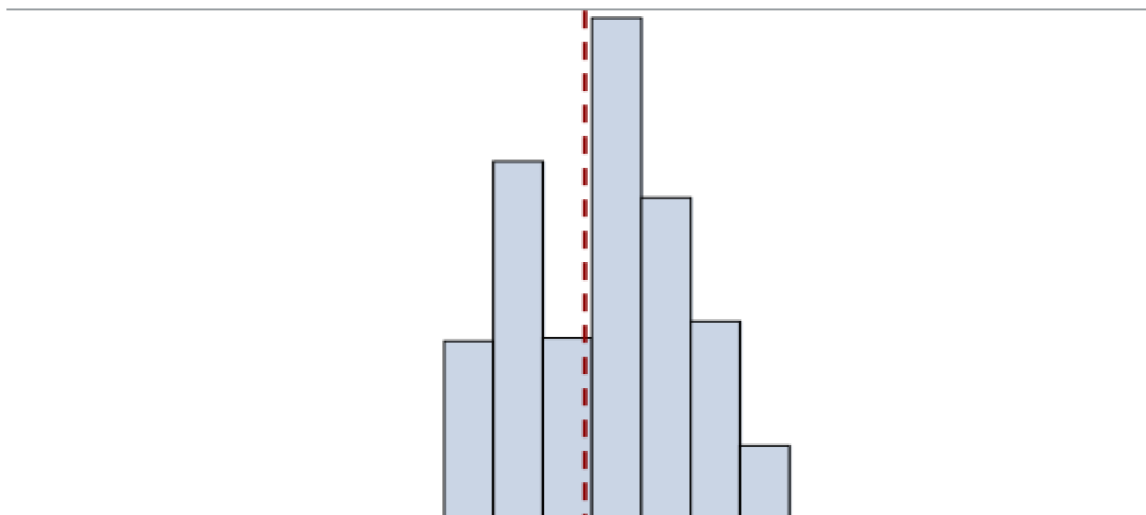
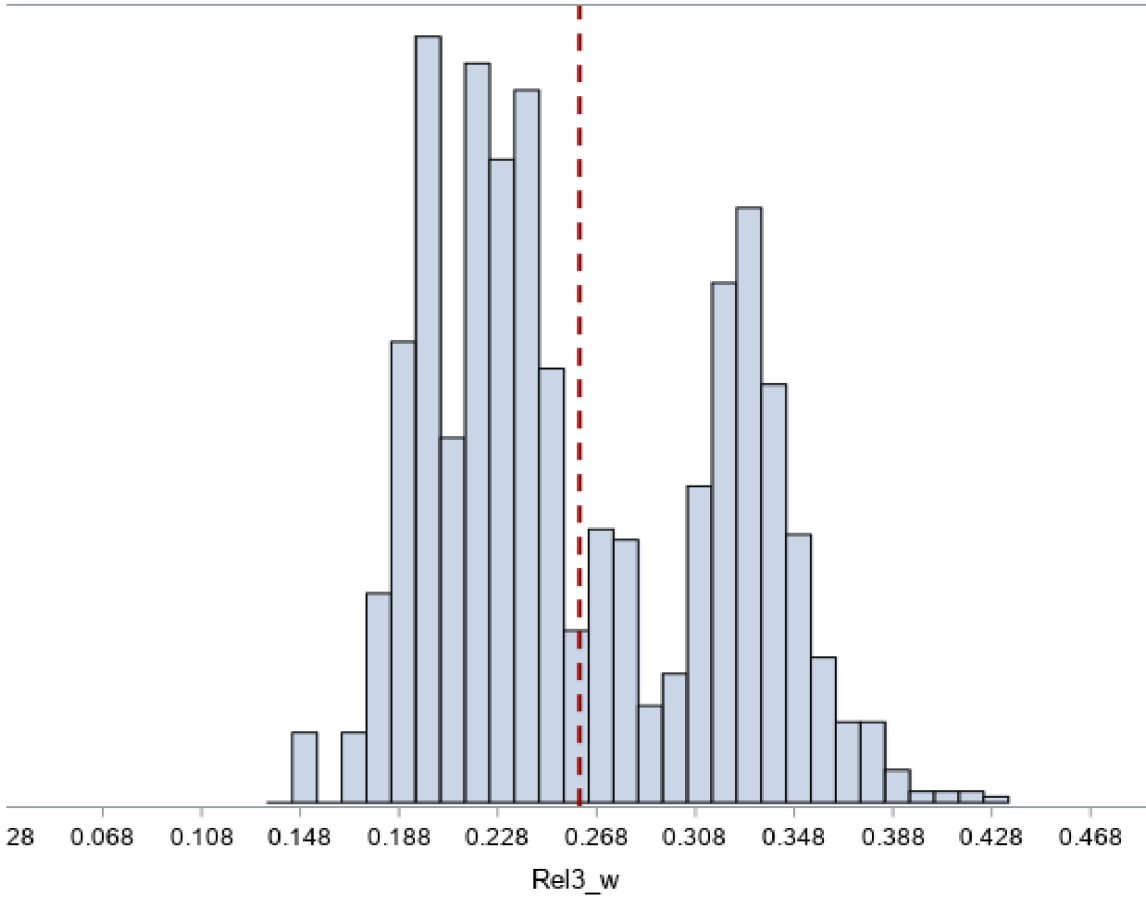
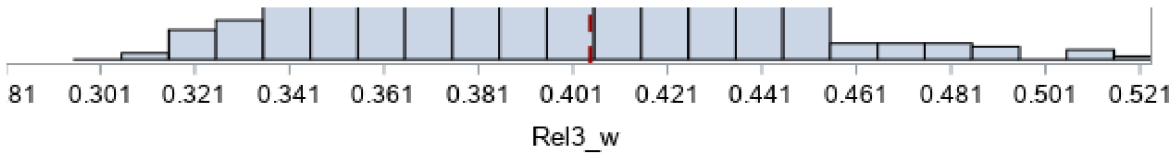


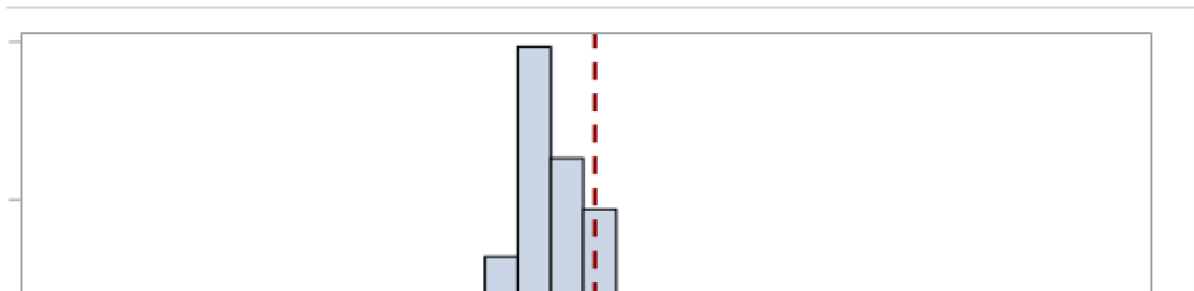
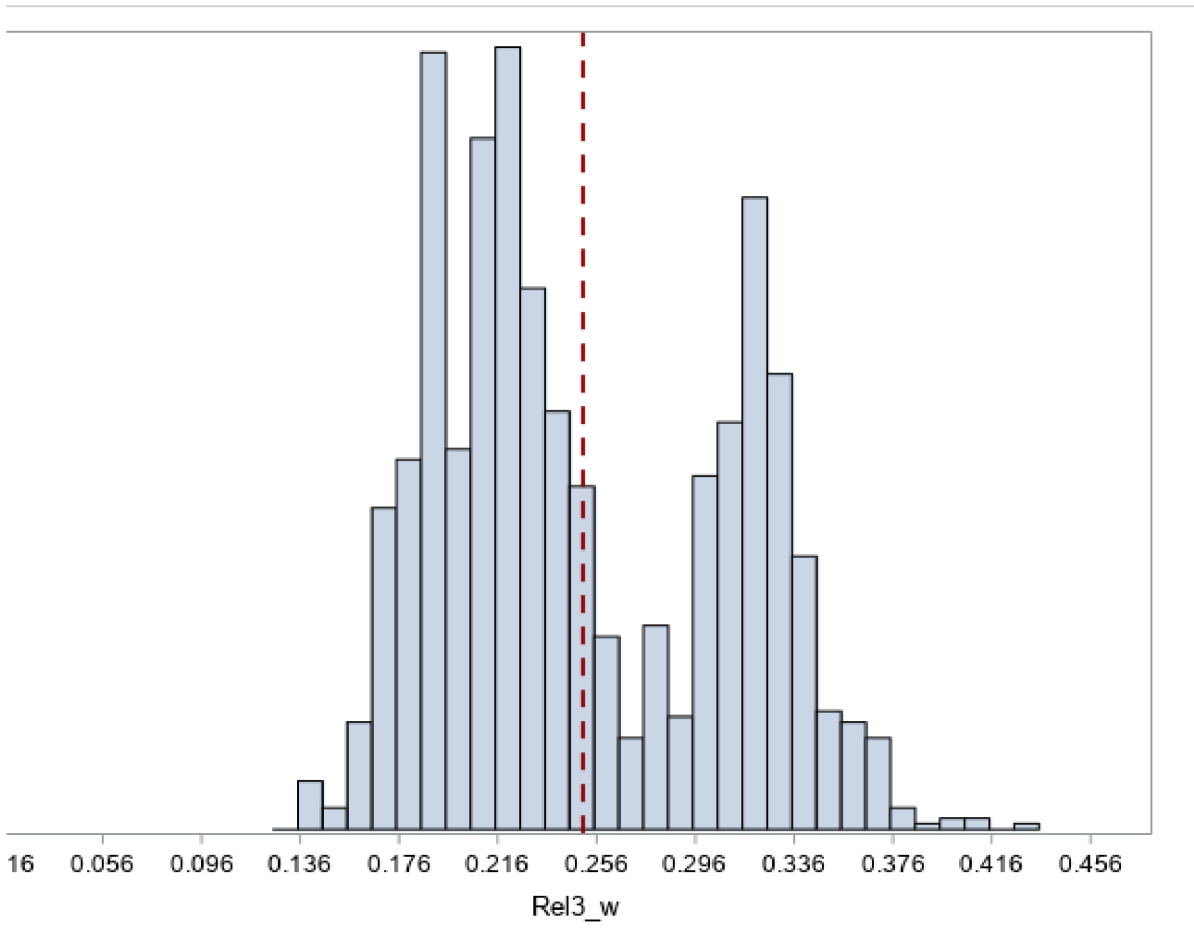
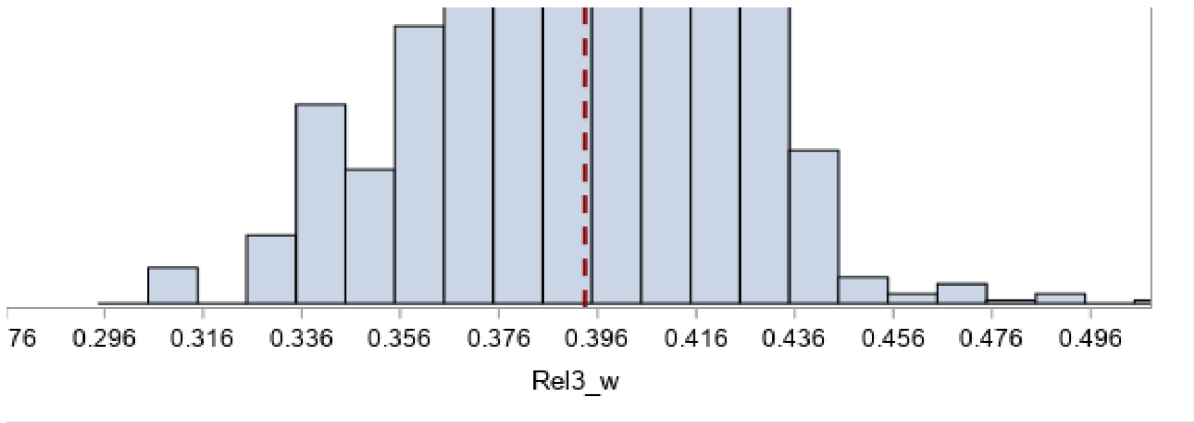
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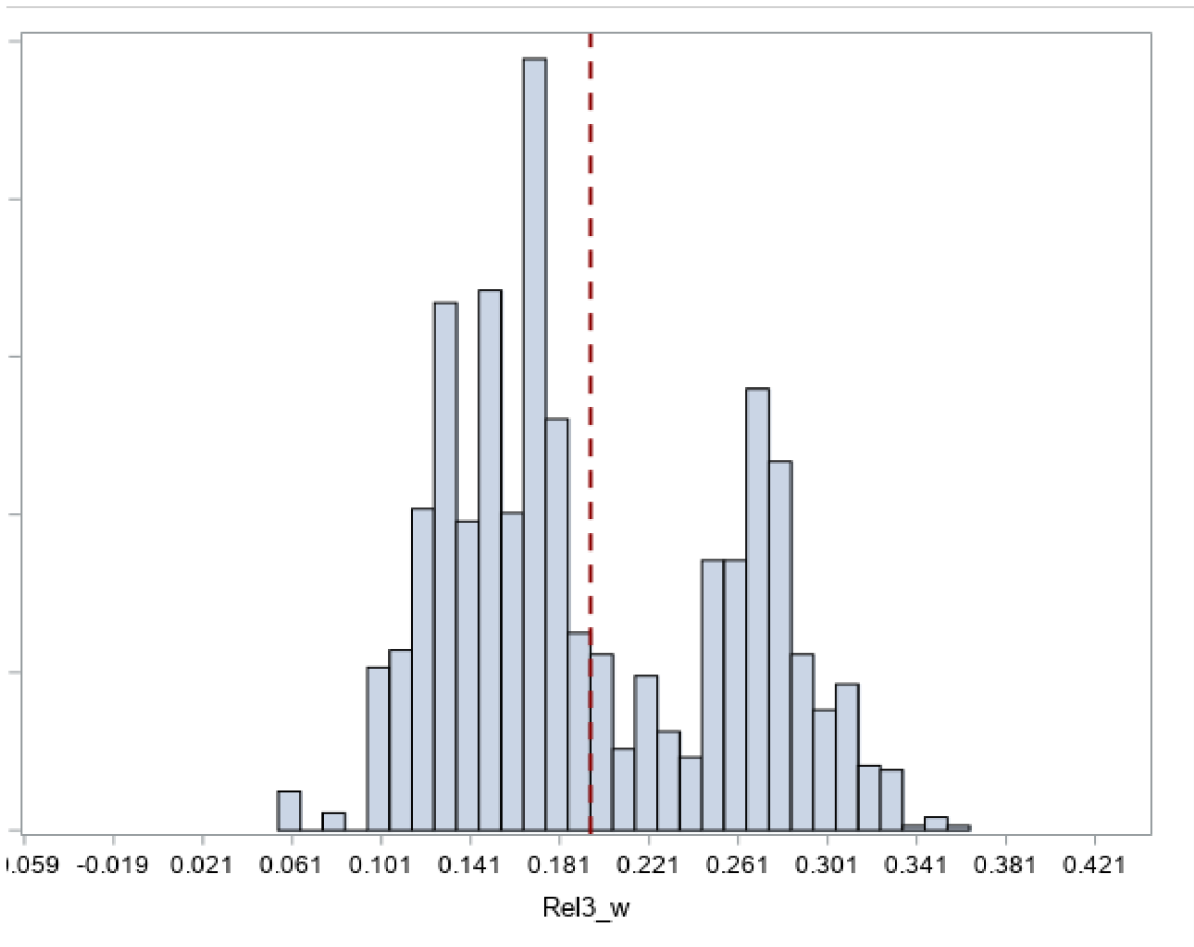
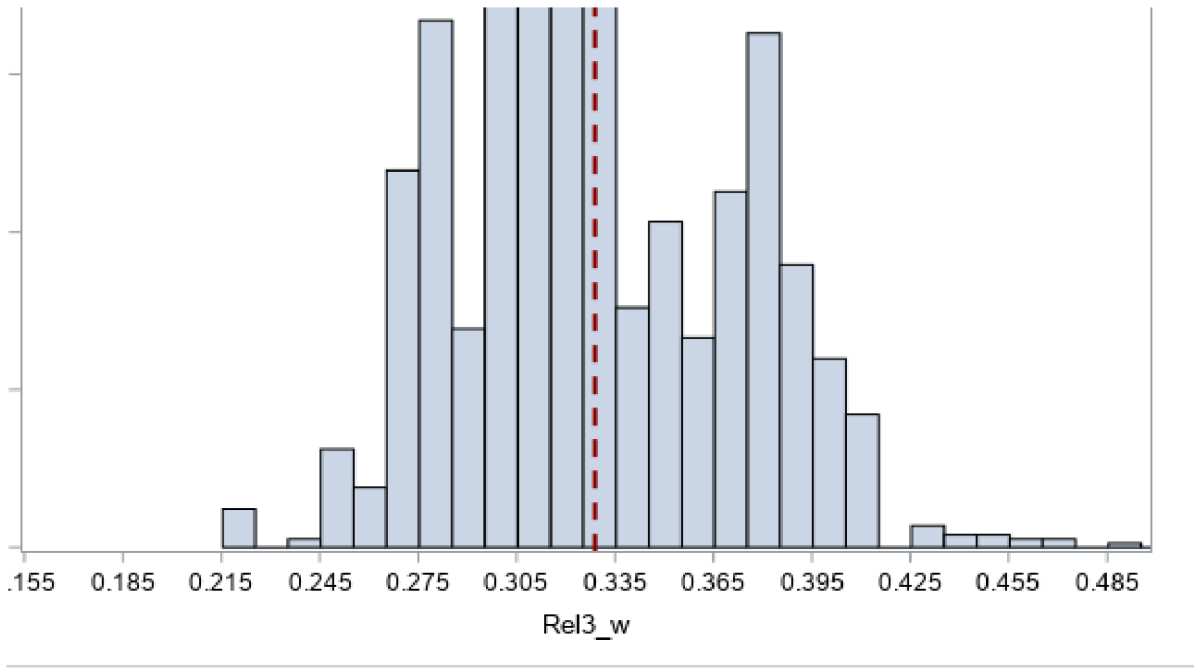
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10.0
7.5
5.0
2.5
0.0
-0

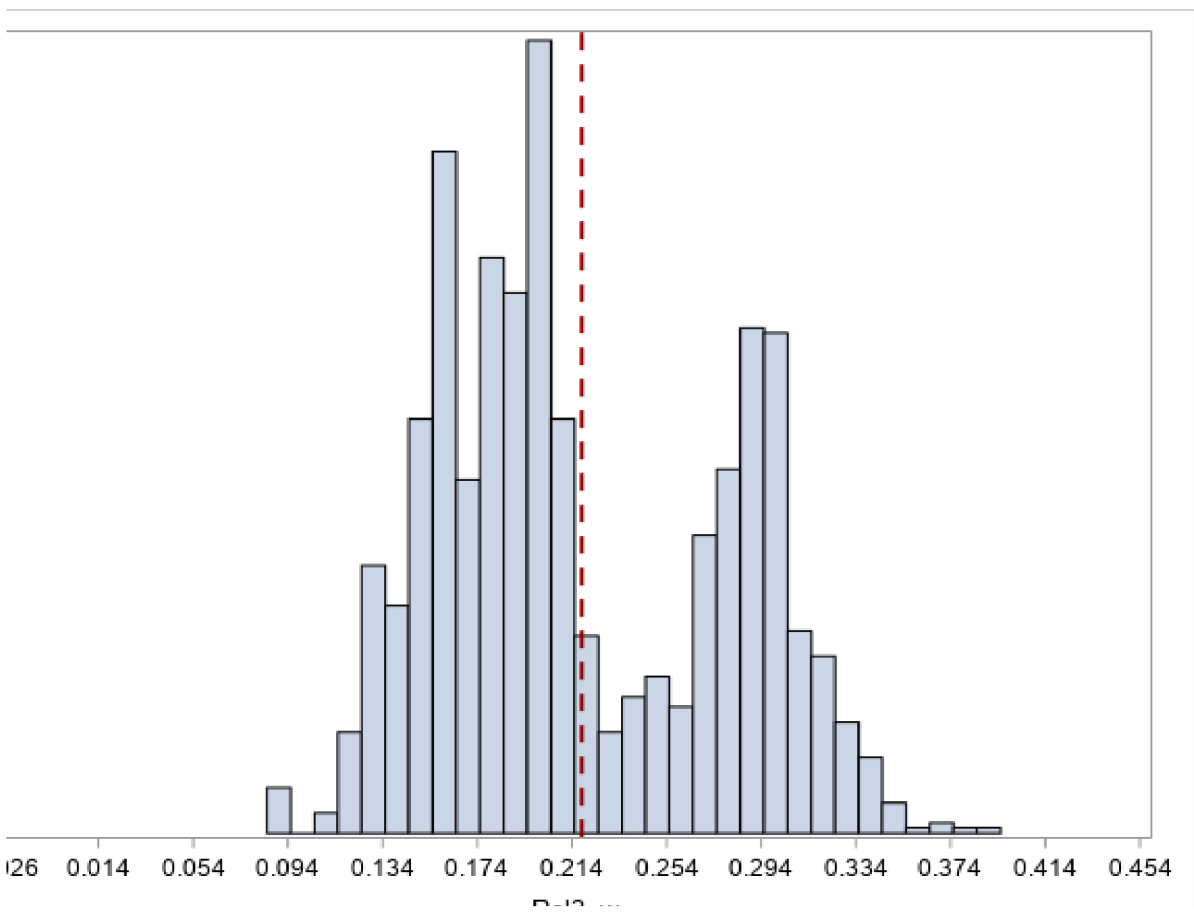
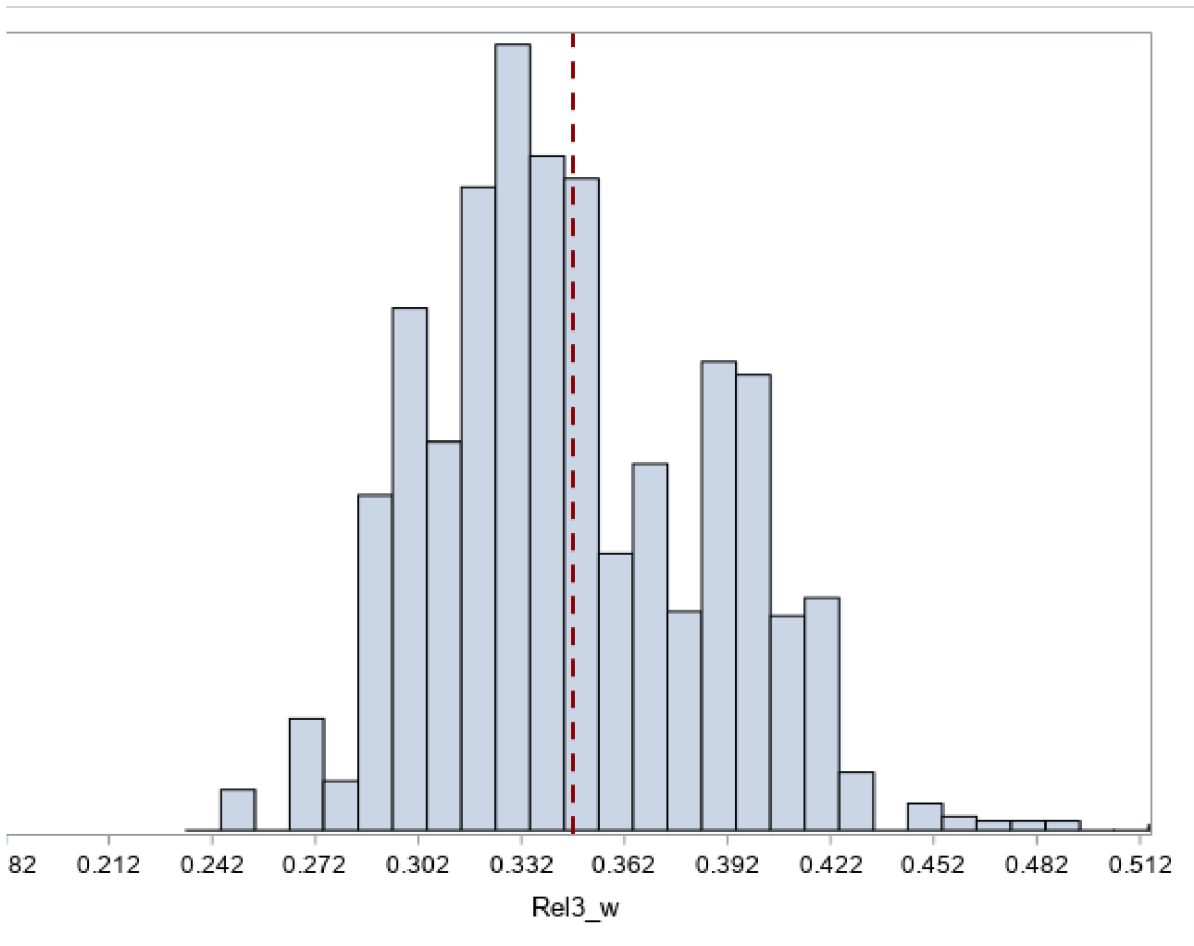






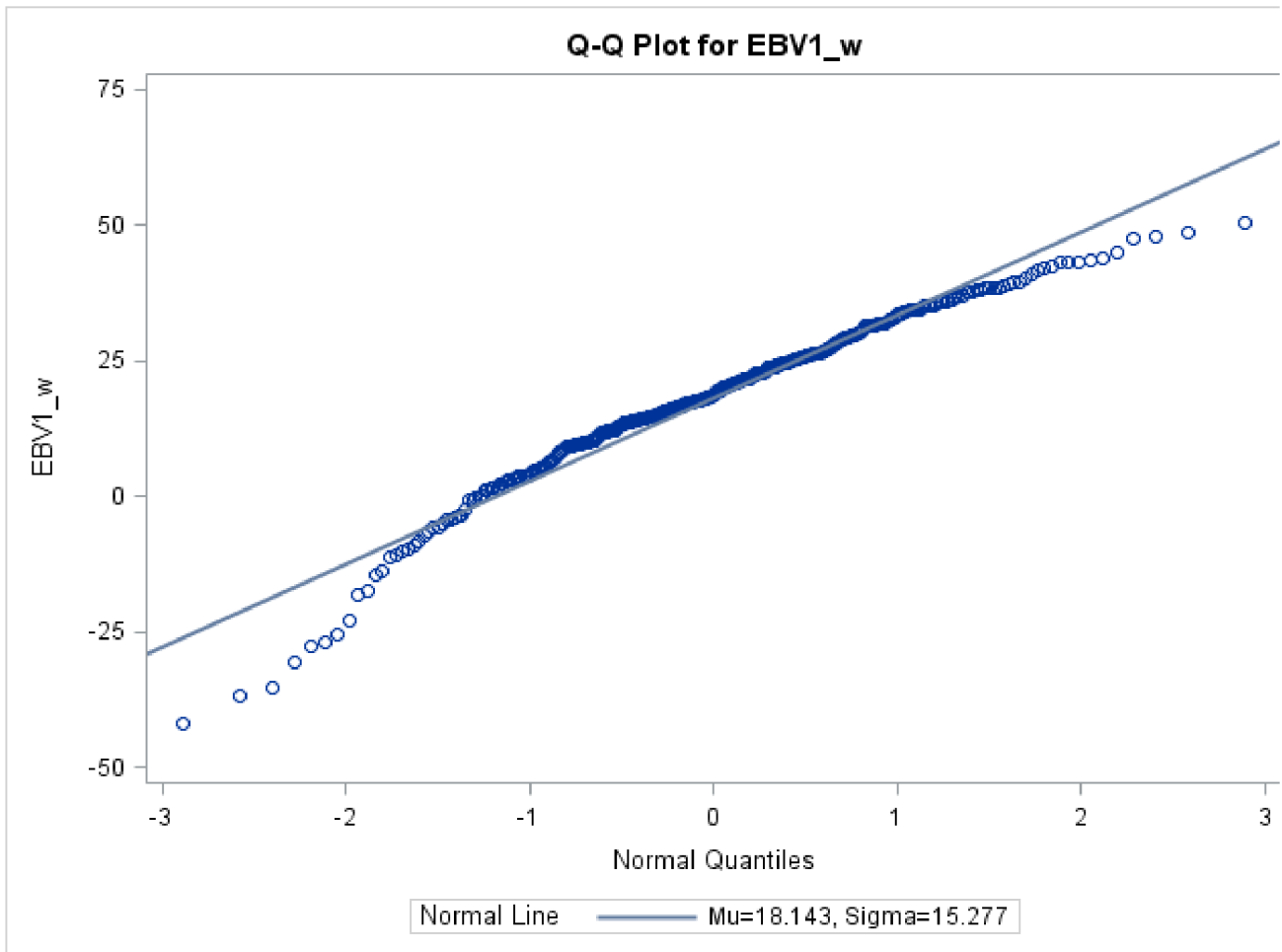




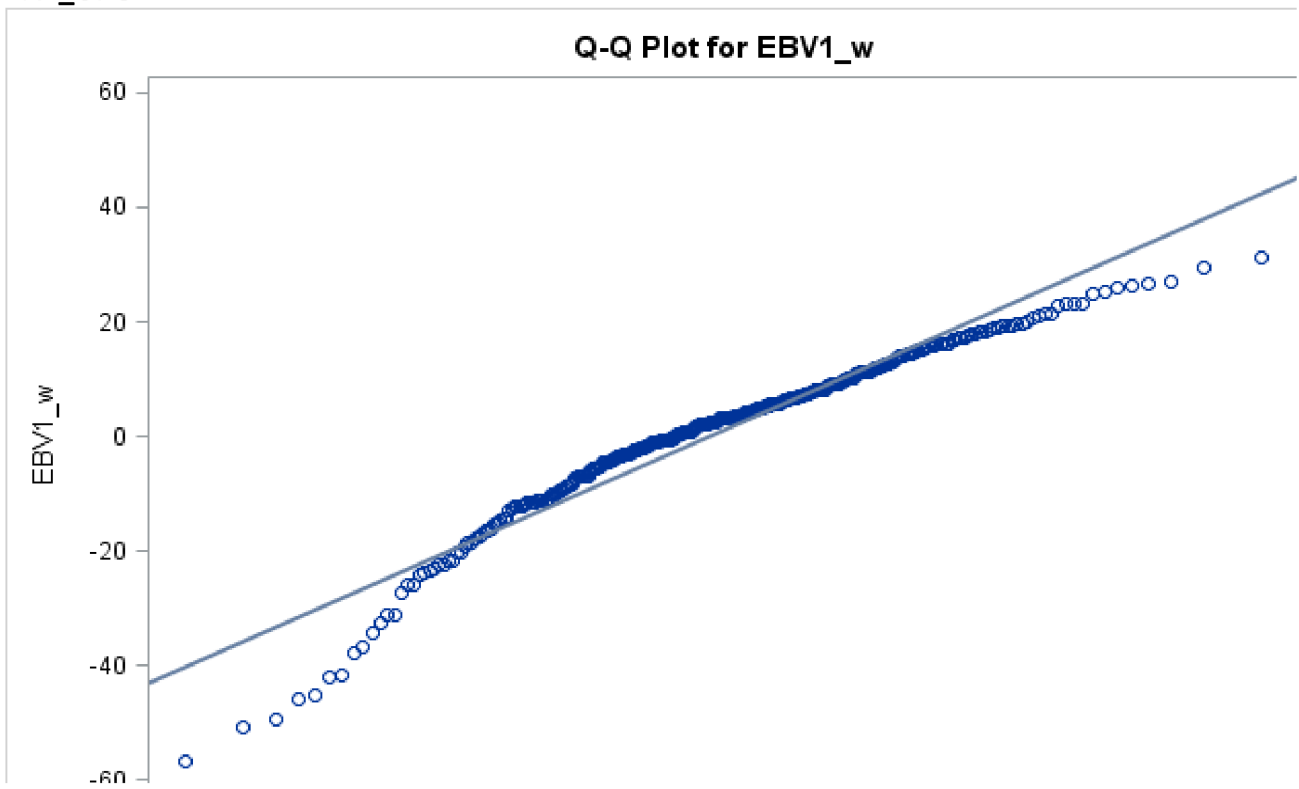


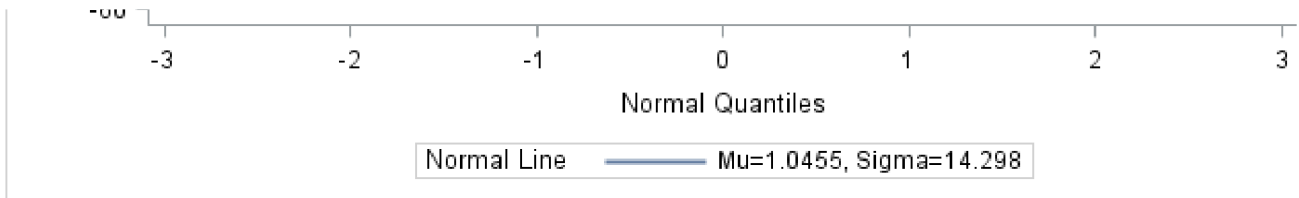
model	poznámka	vlastnost	n	var(A)	$\mu_{p,w}$	$\mu_{p,w} / sd(A)$	$b_{w,p}$	
A1		ADG	324	966.20	-3.22	-0.10	1.28	
		BF		0.13	-0.05	-0.14		0.10
		MD		2.53	-0.11	-0.07		
A1_UPG		ADG	324	966.20	0.84	0.03	0.81	
		BF		0.13	-0.03	-0.09	0.06	
		MD		2.53	0.08	0.05		
A2		ADG	324	998.00	1.18	0.04	1.11	
		BF		0.15	-0.02	-0.04	0.06	
		MD		2.84	0.16	0.10		
A2_UPG		ADG	324	998.00	2.64	0.08	0.84	
		BF		0.15	-0.02	-0.04	0.09	
		MD		2.84	0.22	0.13		
G1		ADG	324	1006.00	-2.03	-0.06	0.96	
		BF		0.18	-0.05	-0.11	0.07	
		MD		3.34	0.03	0.02		
G1_UPG		ADG	324	1006.00	0.42	0.01	0.79	
		BF		0.18	-0.05	-0.11	0.08	
		MD		3.34	0.23	0.13		
G2		ADG	324	1052.00	-0.38	-0.01	1.13	
		BF		0.19	-0.04	-0.09	0.06	
		MD		3.36	0.12	0.07		
G2_UPG		ADG	324	1052.00	2.56	0.08	0.83	
		BF		0.19	-0.03	-0.08	0.11	
		MD		3.36	0.33	0.18		
G2b	AlphaBeta 0.80 0.20	ADG	324	1052.00	-0.23	-0.01	1.13	
		BF		0.19	-0.04	-0.09	0.06	
		MD		3.36	0.14	0.07		
G2c	AlphaBeta 0.65 0.35	ADG	324	1052.00	-0.02	0.00	1.11	
		BF		0.19	-0.04	-0.09	0.06	
		MD		3.36	0.16	0.09		
G2d	AlphaBeta 0.50 0.50	ADG	324	1052.00	0.25	0.01	1.10	
		BF		0.19	-0.04	-0.09	0.07	
		MD		3.36	0.18	0.10		
G2e	tunedG 0	ADG	324	1052.00	1.90	0.06	0.94	
		BF		0.19	-0.04	-0.10	0.10	
		MD		3.36	0.26	0.14		
G2f	tunedG 1	ADG	324	1052.00	1.57	0.05	1.00	
		BF		0.19	-0.04	-0.09	0.09	
		MD		3.36	0.23	0.12		
G2g	tunedG 3	ADG	324	1052.00	-0.47	-0.01	1.09	
		BF		0.19	-0.04	-0.10	0.06	
		MD		3.36	0.13	0.07		
G2h	tunedG 4	ADG	324	1052.00	-0.47	-0.01	1.09	
		BF		0.19	-0.04	-0.10	0.06	
		MD		3.36	0.13	0.07		

A1

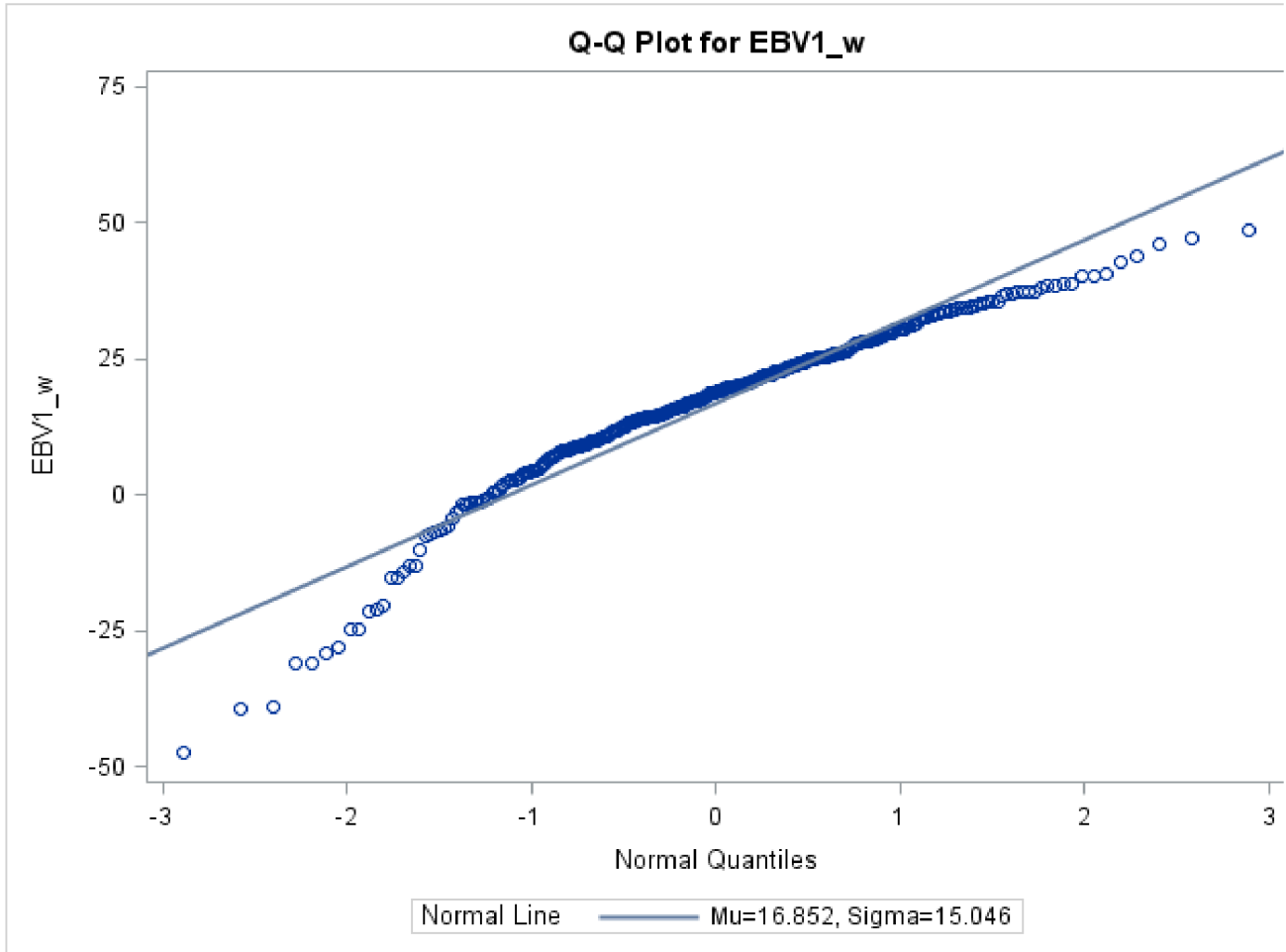


A1_UPG

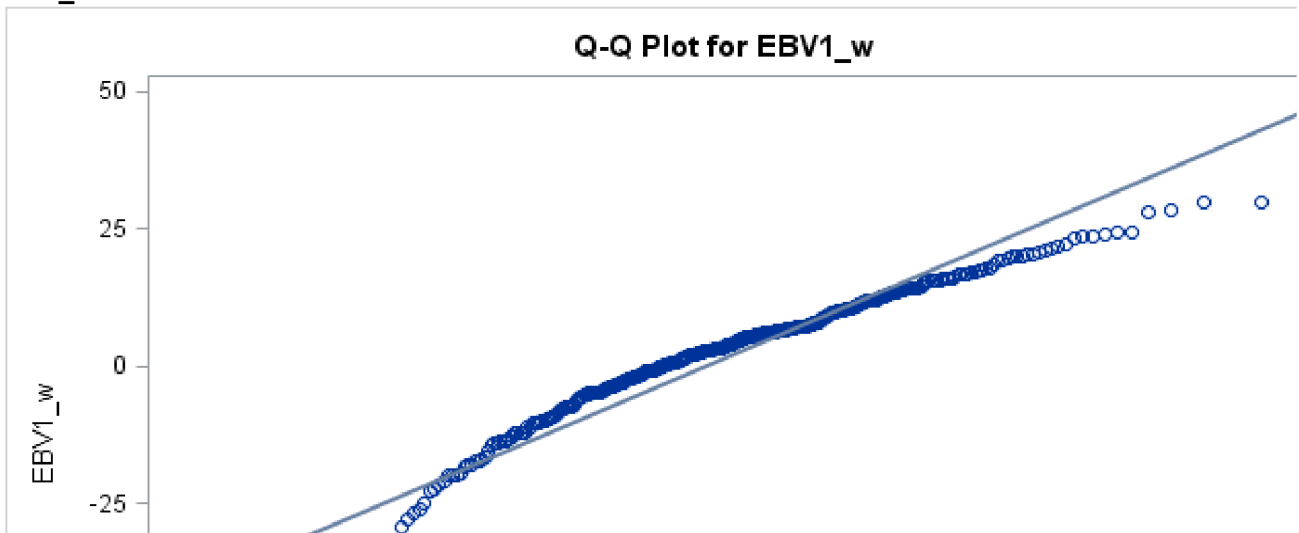


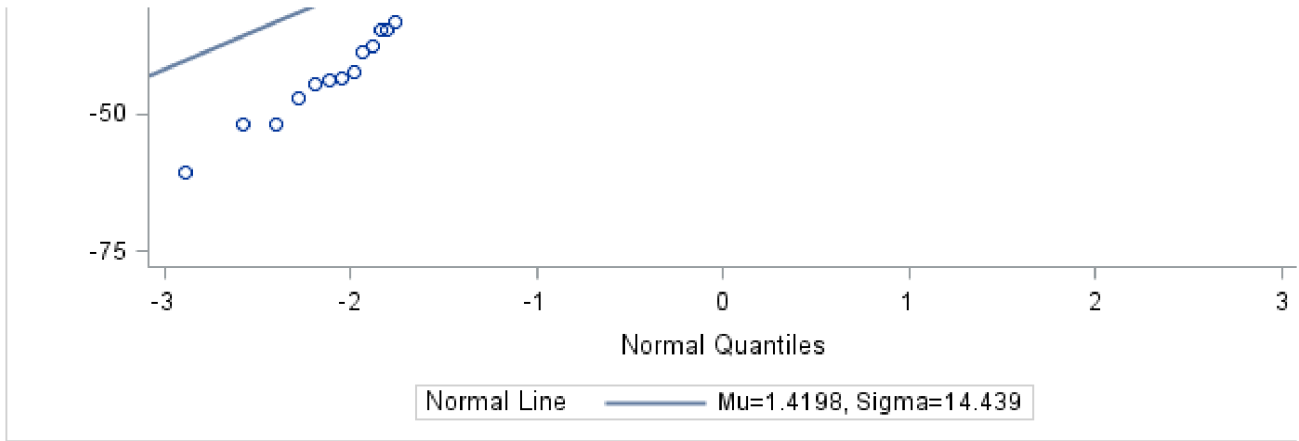


A2

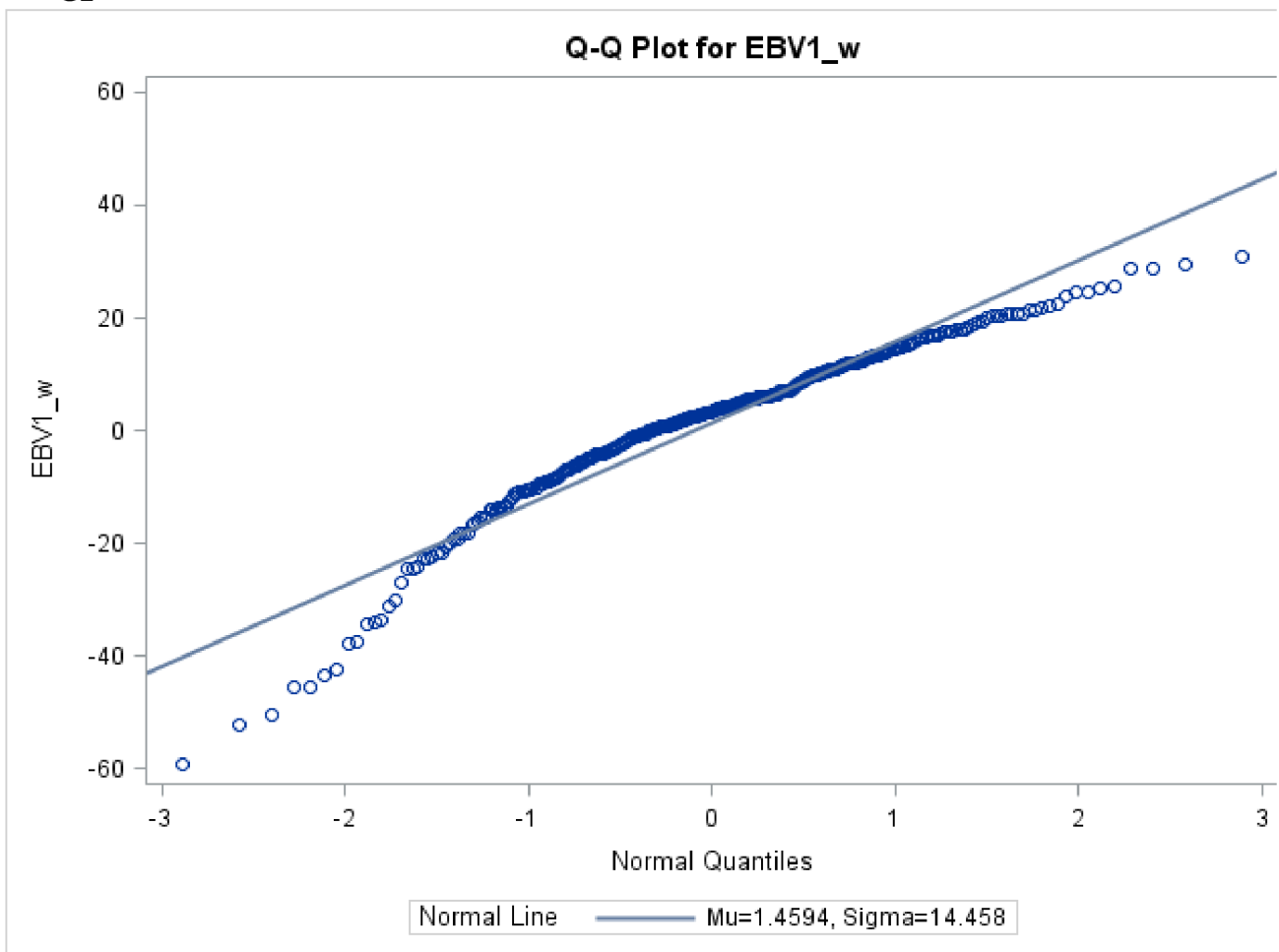


A2_UPG

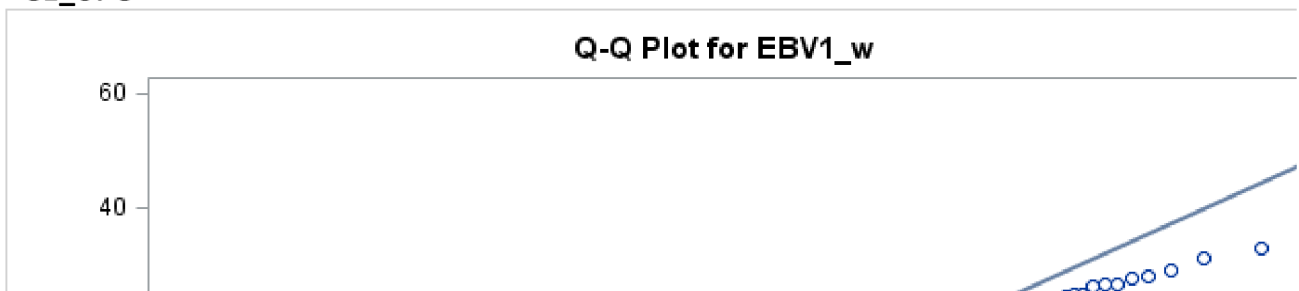


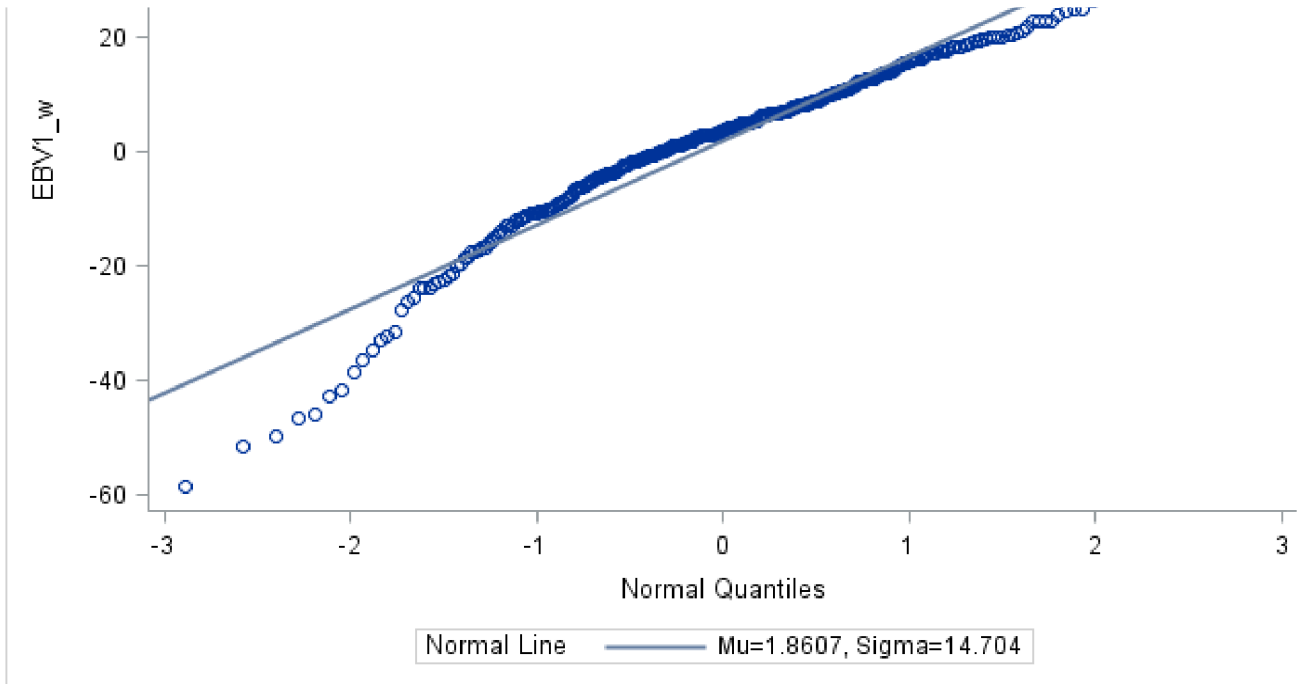


G1

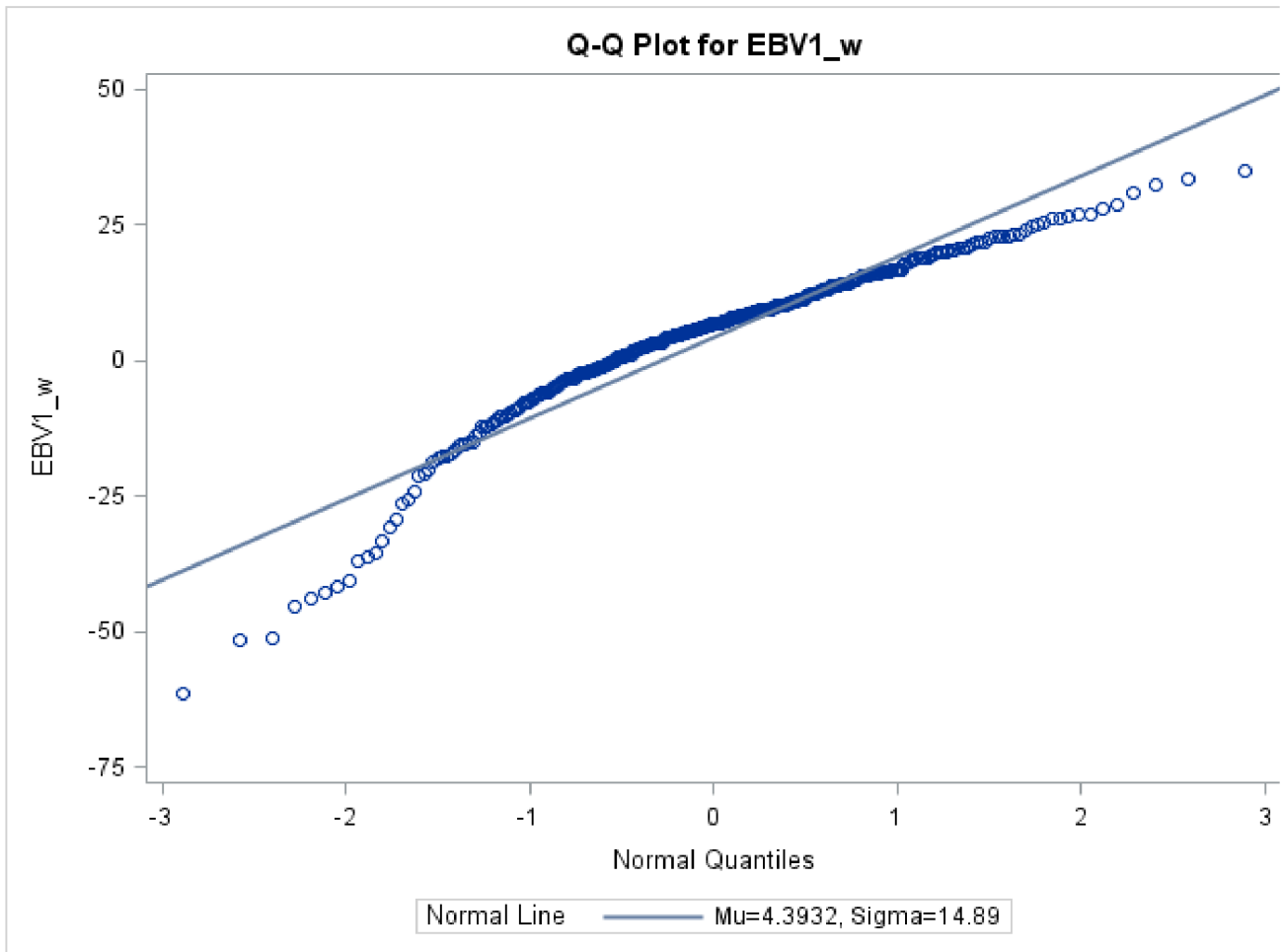


G1_UPG





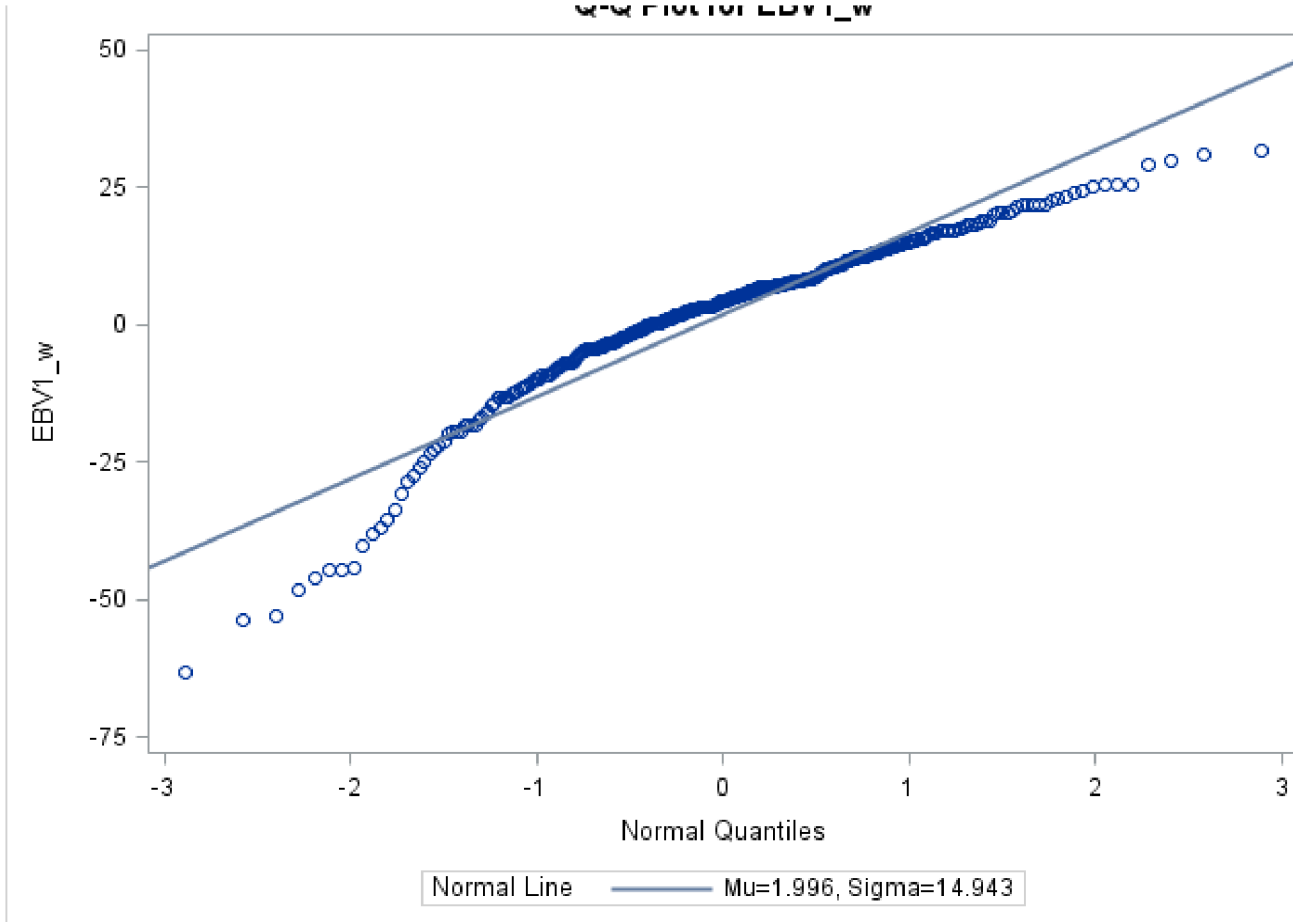
G2



G2_UPG

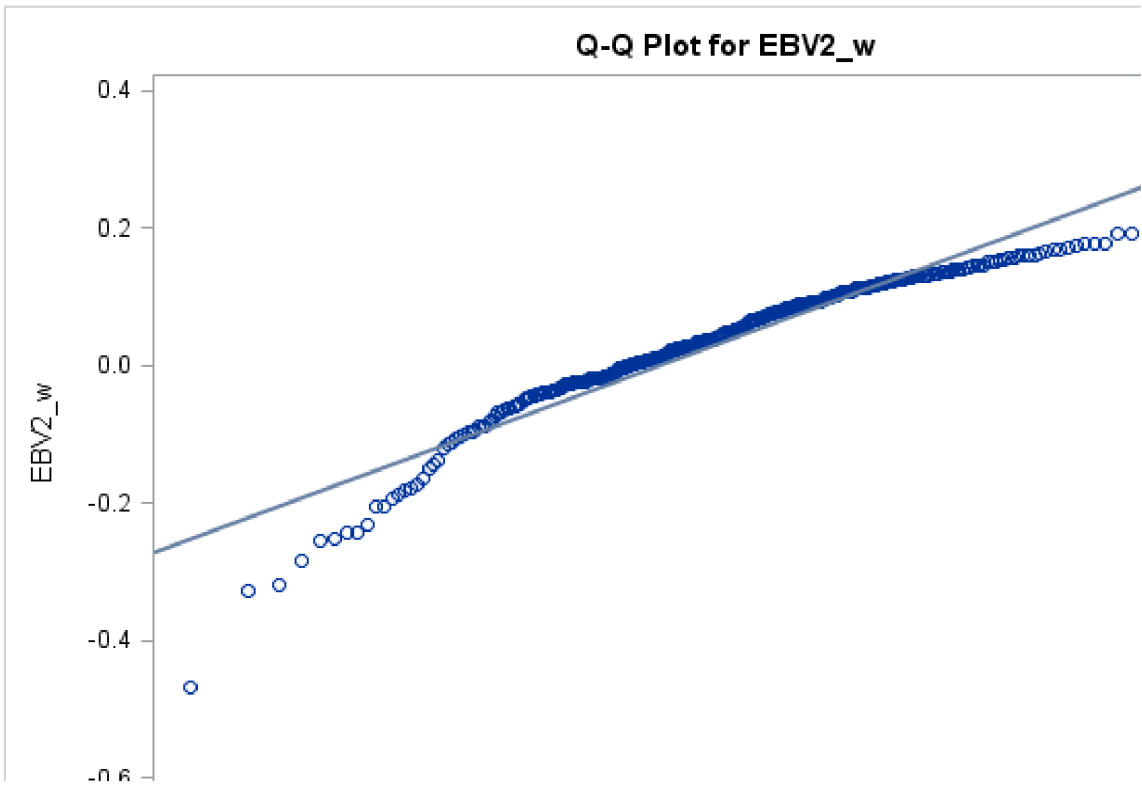
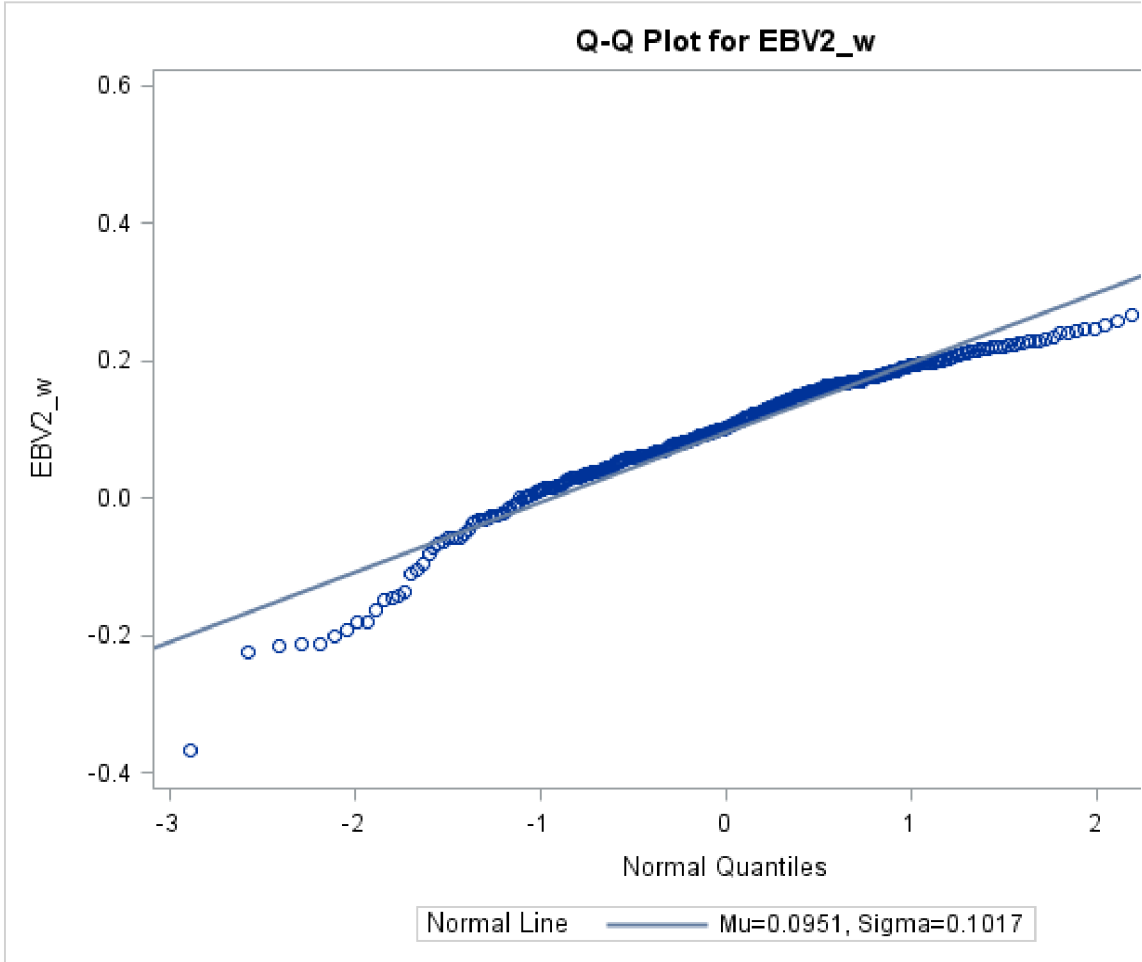
Q-Q Plot for EBV1_w

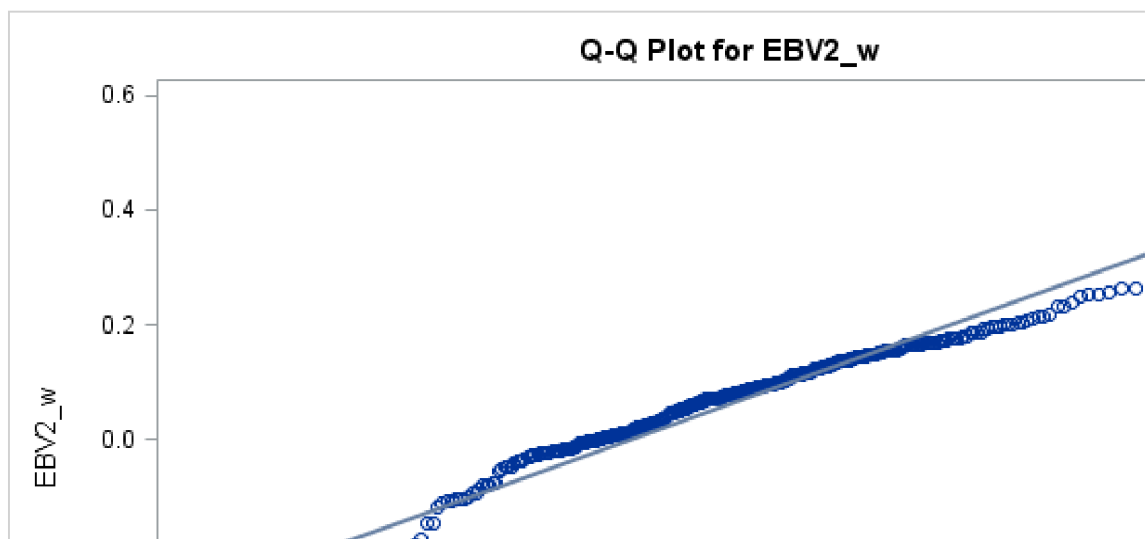
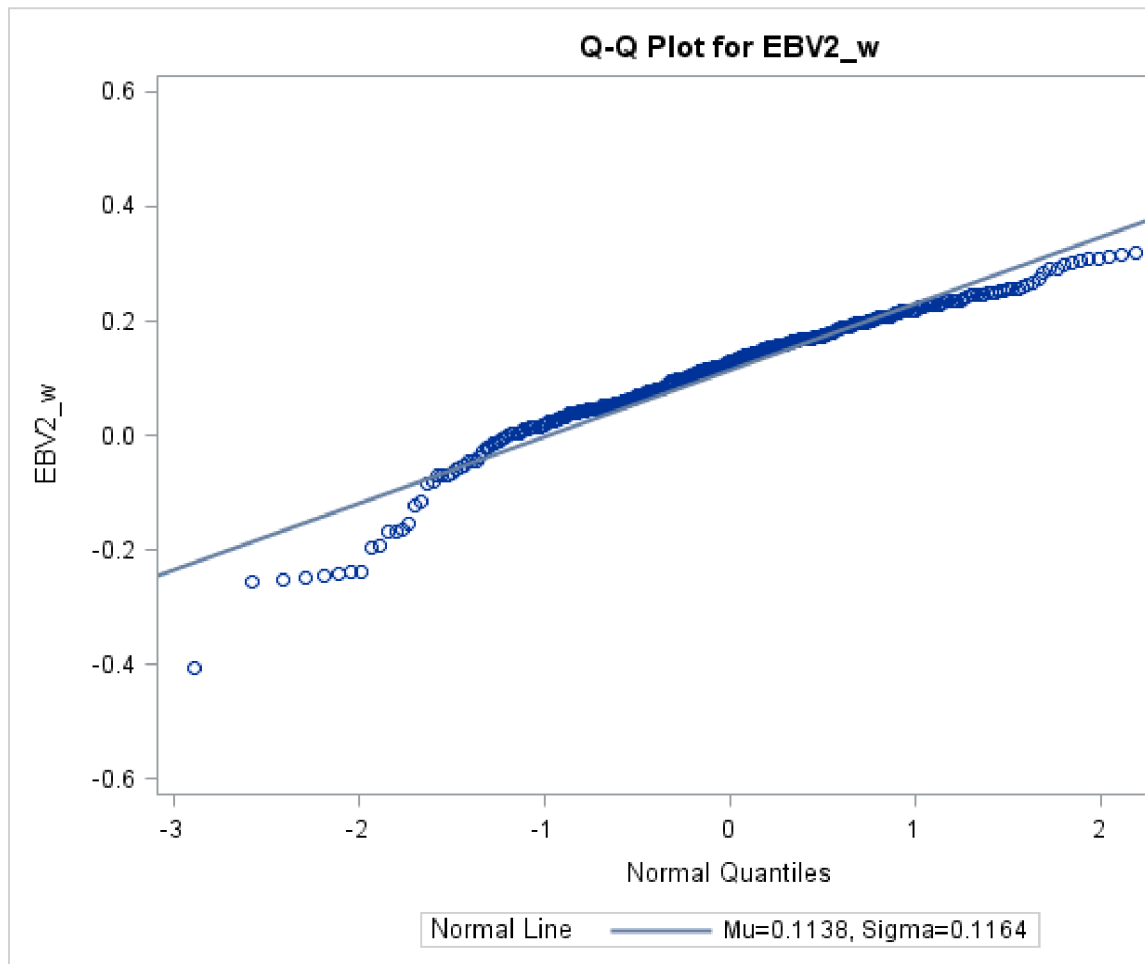
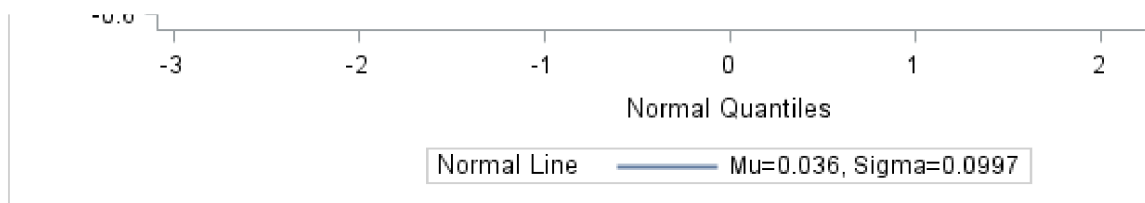
Q-Q PLOT OF EBV1_W

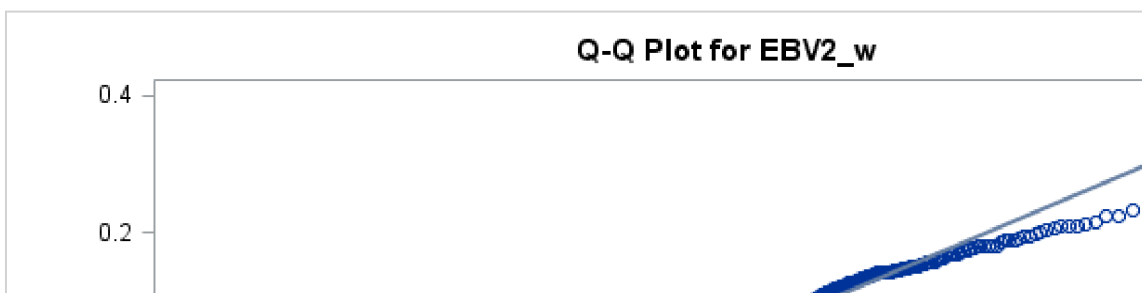
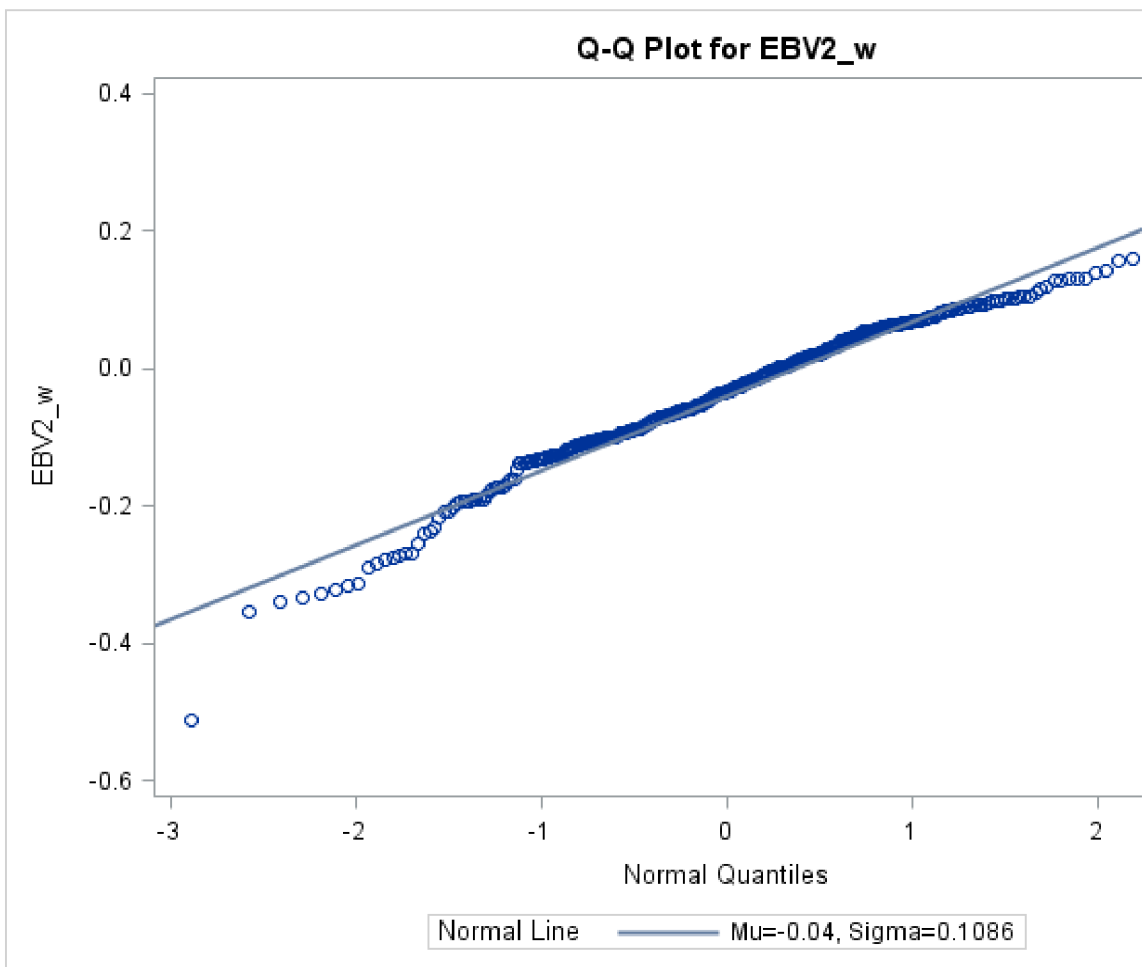
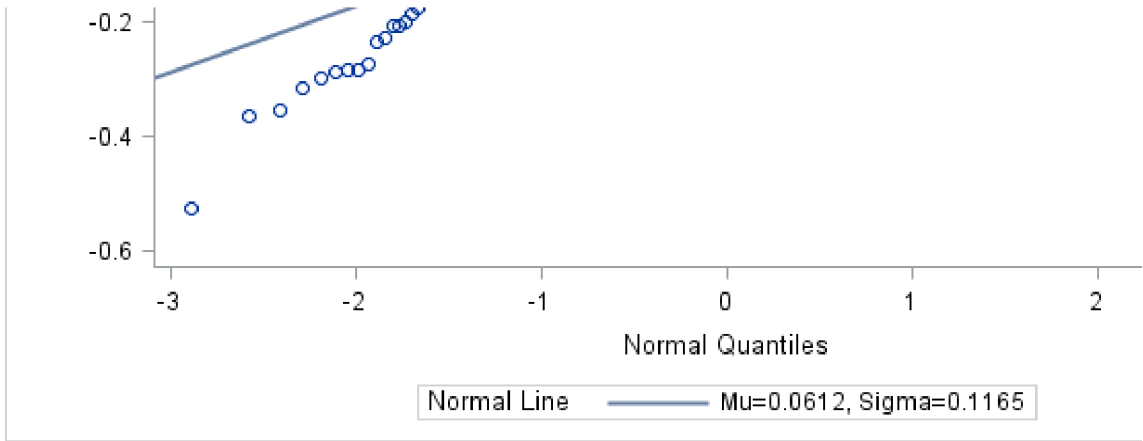


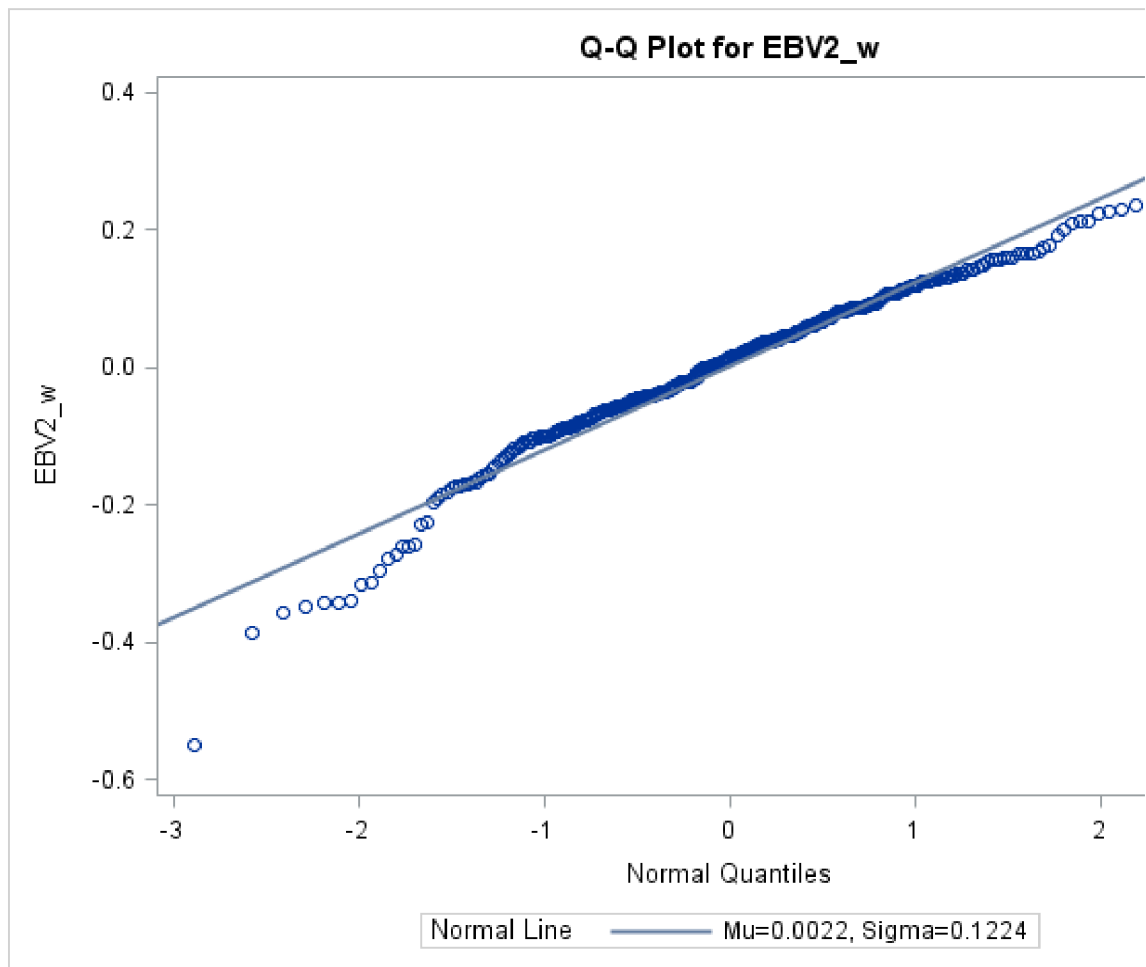
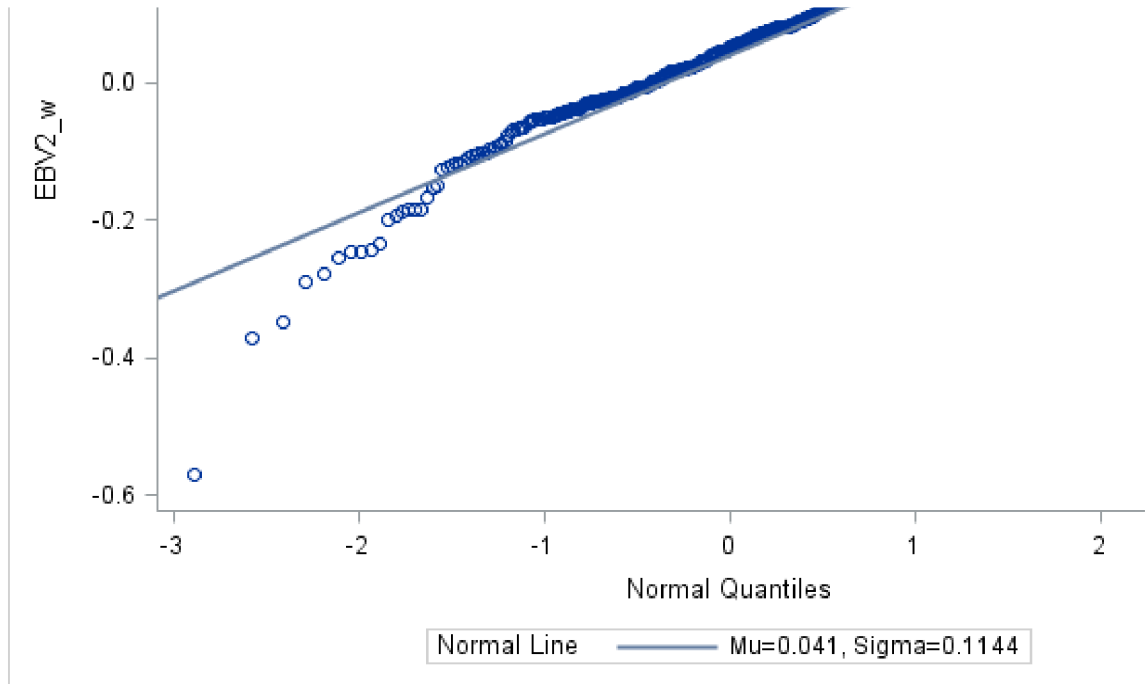
PIETRIN: validace BLUP a ssGBLUP animal modelů

1 - b _{w,p}		ρ	ρ ⁻¹	acc_LR		PrA	
-0.28		0.50	1.99		0.23		0.17
-0.14	0.19	0.62	1.60	1.84	0.17	0.20	0.14
-0.16		0.52	1.93		0.22		0.06
0.19		0.37	2.72		0.19		0.10
0.02	0.14	0.56	1.78	2.40	0.16	0.18	0.12
0.22		0.37	2.72		0.18		0.01
-0.11		0.49	2.04		0.23		0.16
-0.04	0.08	0.64	1.57	1.83	0.19	0.22	0.16
0.09		0.53	1.89		0.23		0.06
0.16		0.40	2.52		0.20		0.11
-0.02	0.12	0.61	1.64	2.12	0.19	0.20	0.15
0.17		0.45	2.21		0.20		0.04
0.04		0.33	3.05		0.16		0.09
0.00	0.09	0.54	1.85	2.51	0.14	0.15	0.12
0.22		0.38	2.63		0.16		0.02
0.21		0.35	2.84		0.19		0.09
0.00	0.20	0.60	1.67	2.49	0.16	0.17	0.14
0.39		0.34	2.97		0.16		0.00
-0.13		0.40	2.50		0.18		0.13
-0.06	0.11	0.61	1.64	2.09	0.17	0.18	0.16
0.13		0.47	2.12		0.19		0.05
0.17		0.38	2.62		0.20		0.11
-0.02	0.16	0.64	1.57	2.17	0.19	0.19	0.17
0.29		0.43	2.30		0.20		0.03
-0.13		0.42	2.40		0.19		0.14
-0.05	0.12	0.62	1.62	2.04	0.17	0.19	0.16
0.17		0.48	2.10		0.20		0.05
-0.11		0.43	2.33		0.20		0.14
-0.04	0.12	0.63	1.60	2.00	0.18	0.19	0.16
0.21		0.48	2.09		0.21		0.05
-0.10		0.44	2.26		0.20		0.15
-0.03	0.12	0.63	1.58	1.97	0.18	0.20	0.16
0.23		0.48	2.07		0.22		0.05
0.06		0.33	3.01		0.16		0.10
-0.01	0.08	0.61	1.65	2.30	0.18	0.17	0.16
0.17		0.44	2.25		0.19		0.04
0.00		0.34	2.92		0.16		0.10
-0.04	0.06	0.60	1.67	2.28	0.17	0.17	0.15
0.13		0.45	2.24		0.18		0.04
-0.09		0.40	2.51		0.18		0.13
-0.03	0.10	0.62	1.62	2.09	0.18	0.19	0.16
0.17		0.47	2.12		0.20		0.05
-0.09		0.40	2.51		0.18		0.13
-0.03	0.10	0.62	1.62	2.09	0.18	0.19	0.16
0.17		0.47	2.12		0.20		0.05



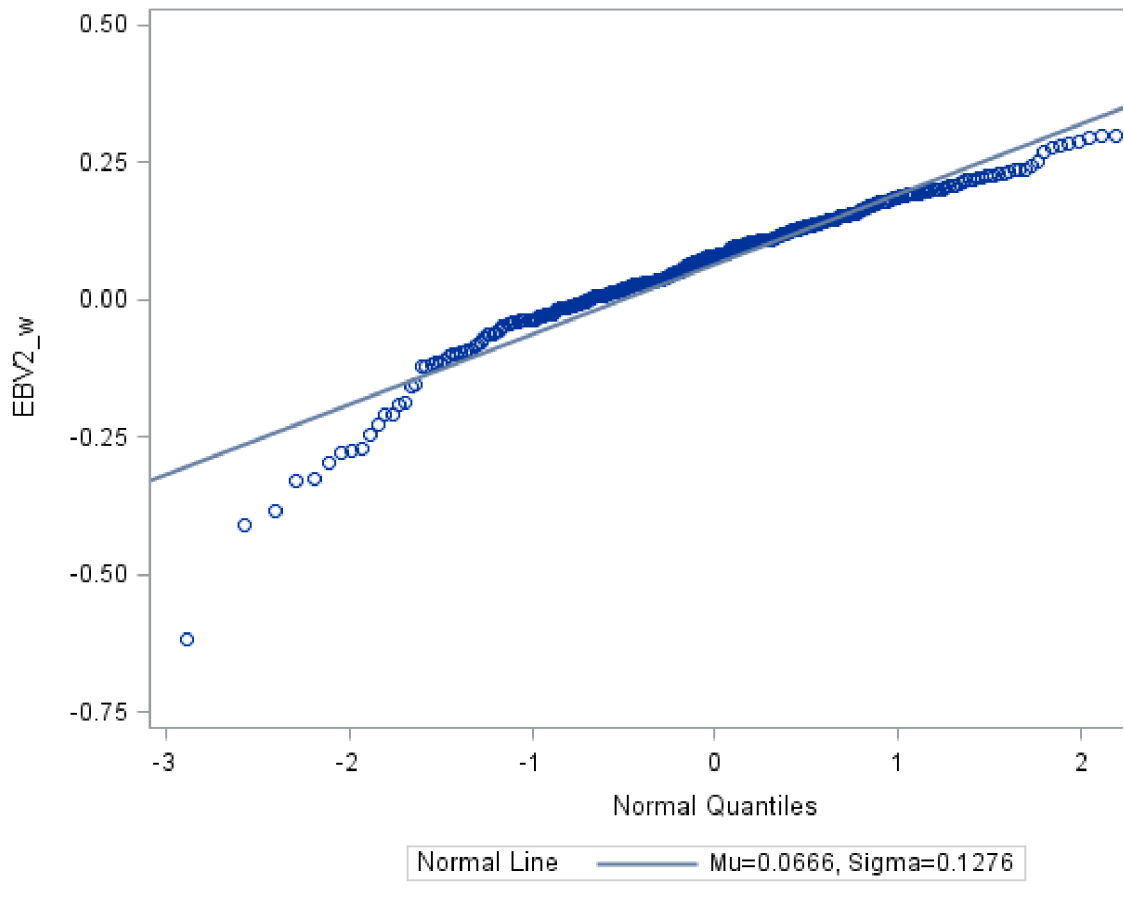






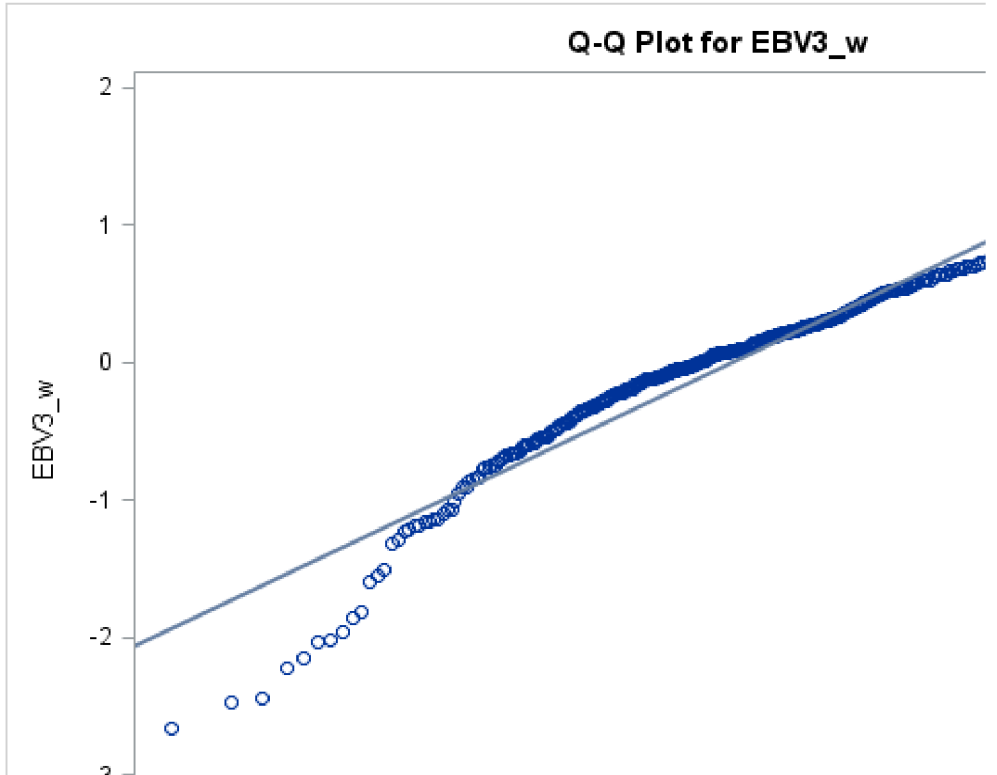
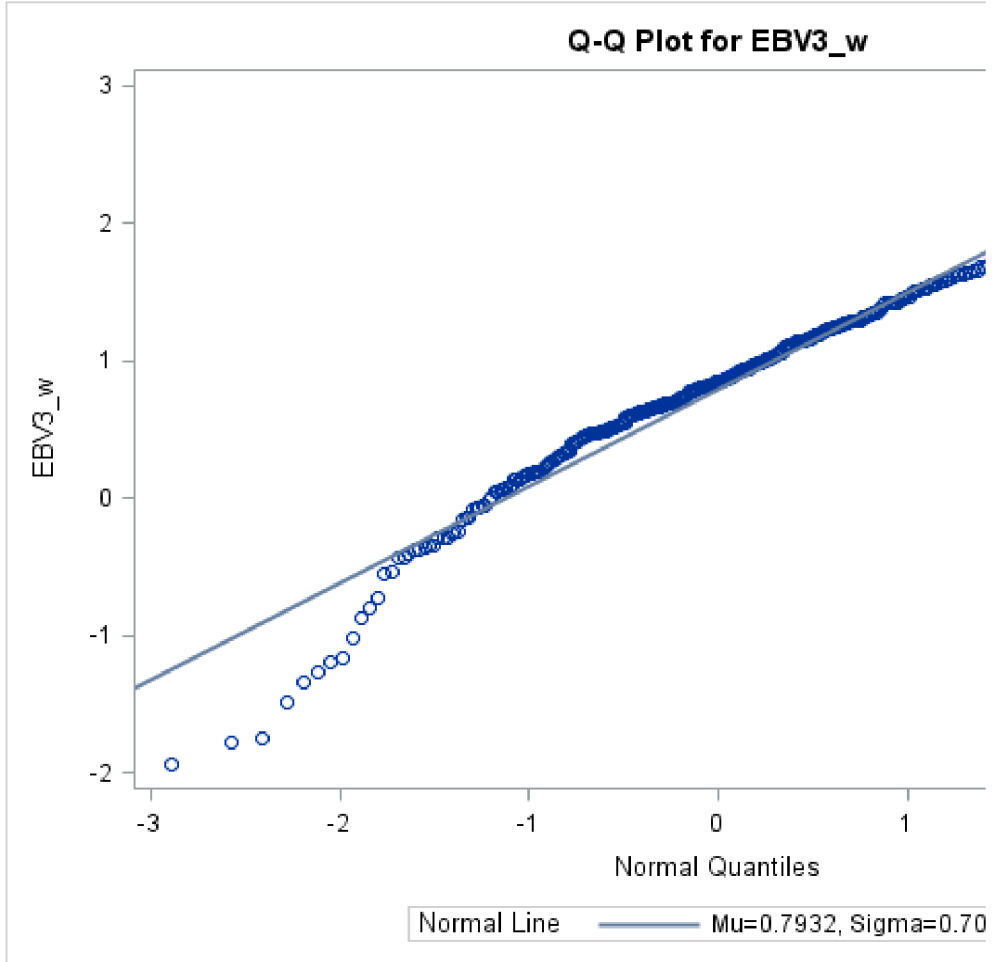
Q-Q Plot for EBV2_w

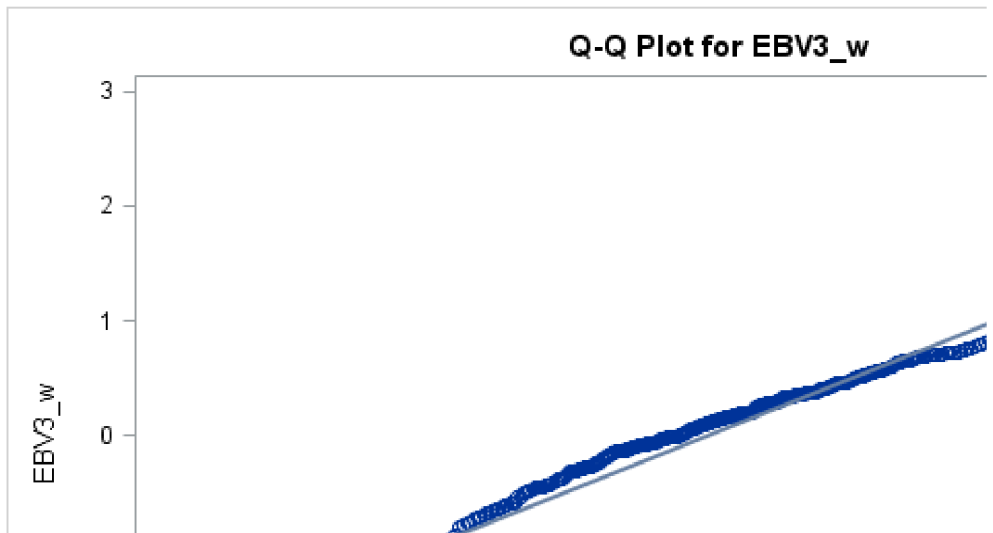
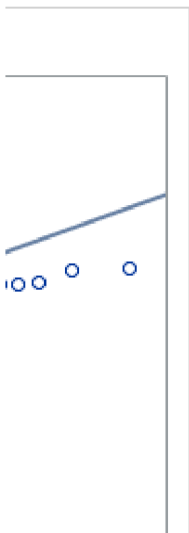
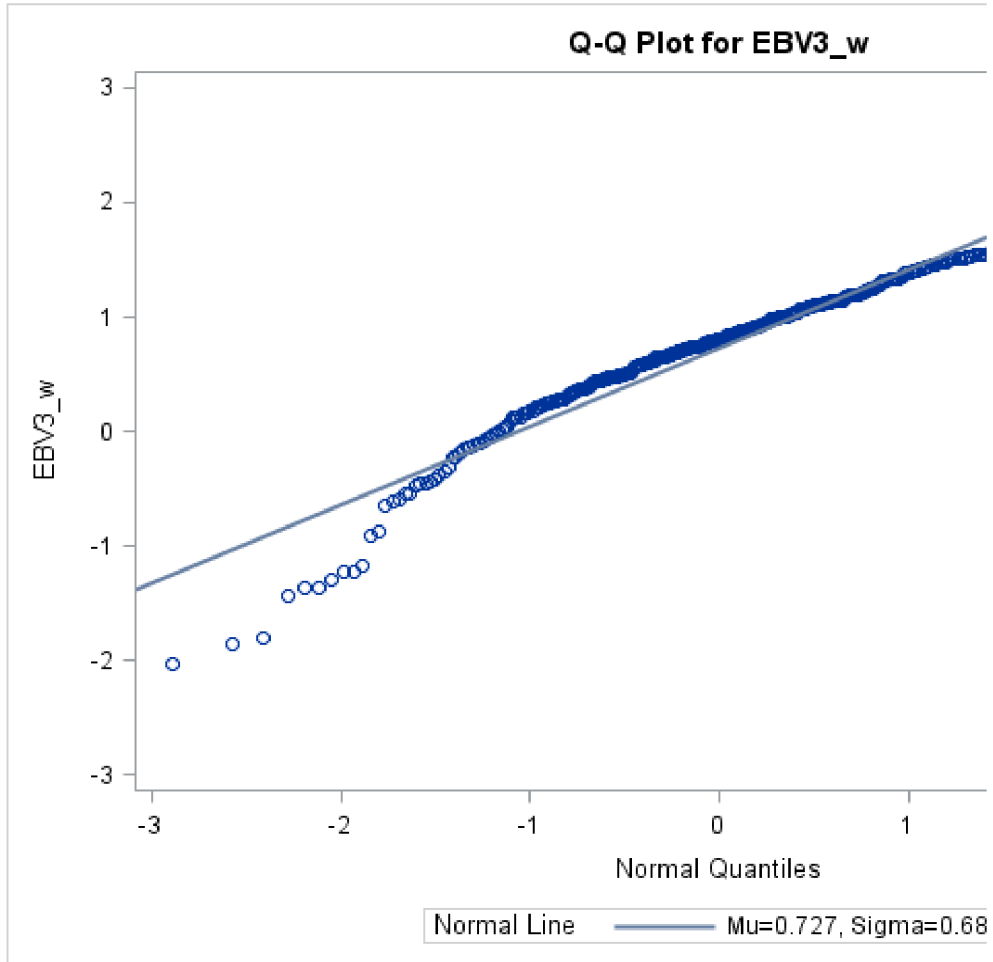
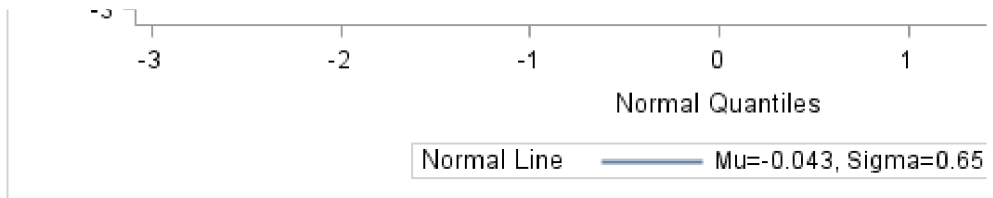
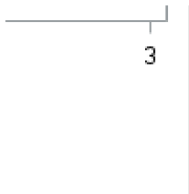
Q-Q Plot of EBV2_w

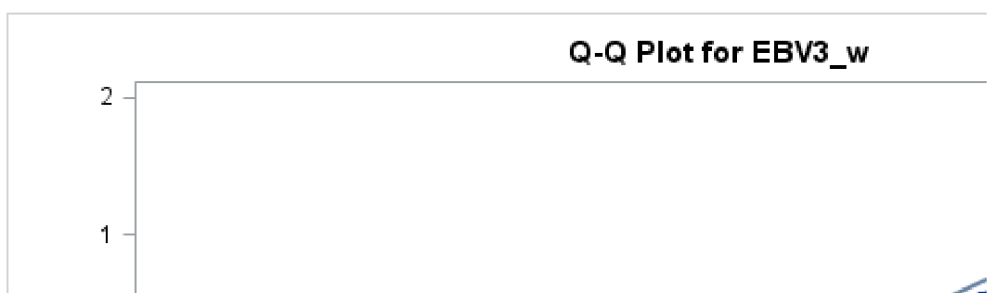
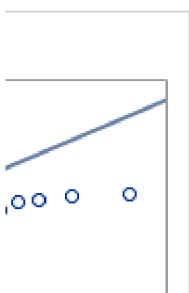
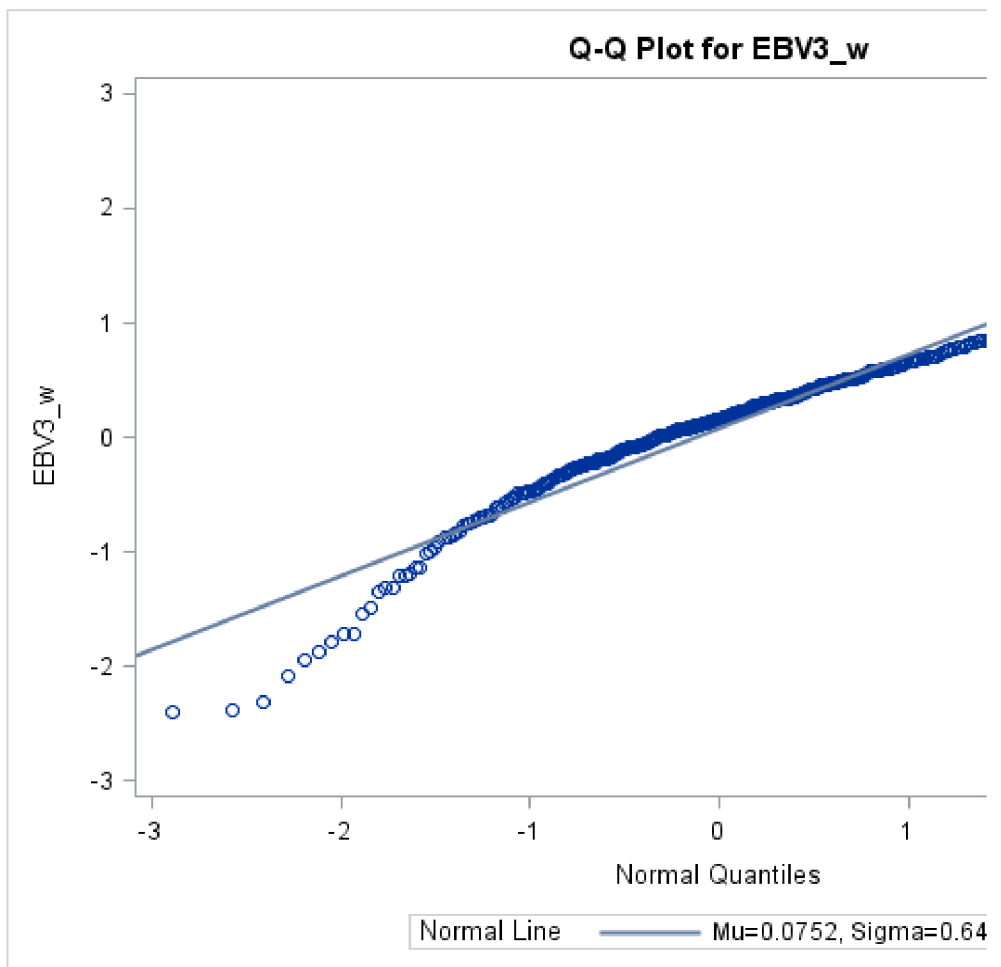
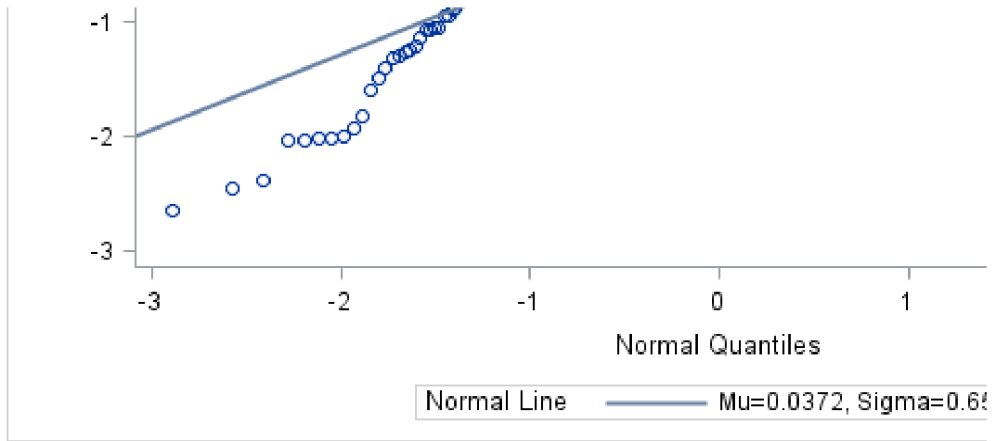
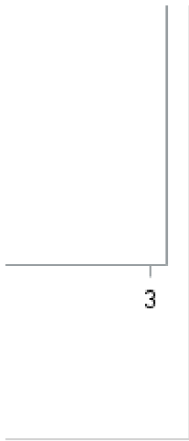


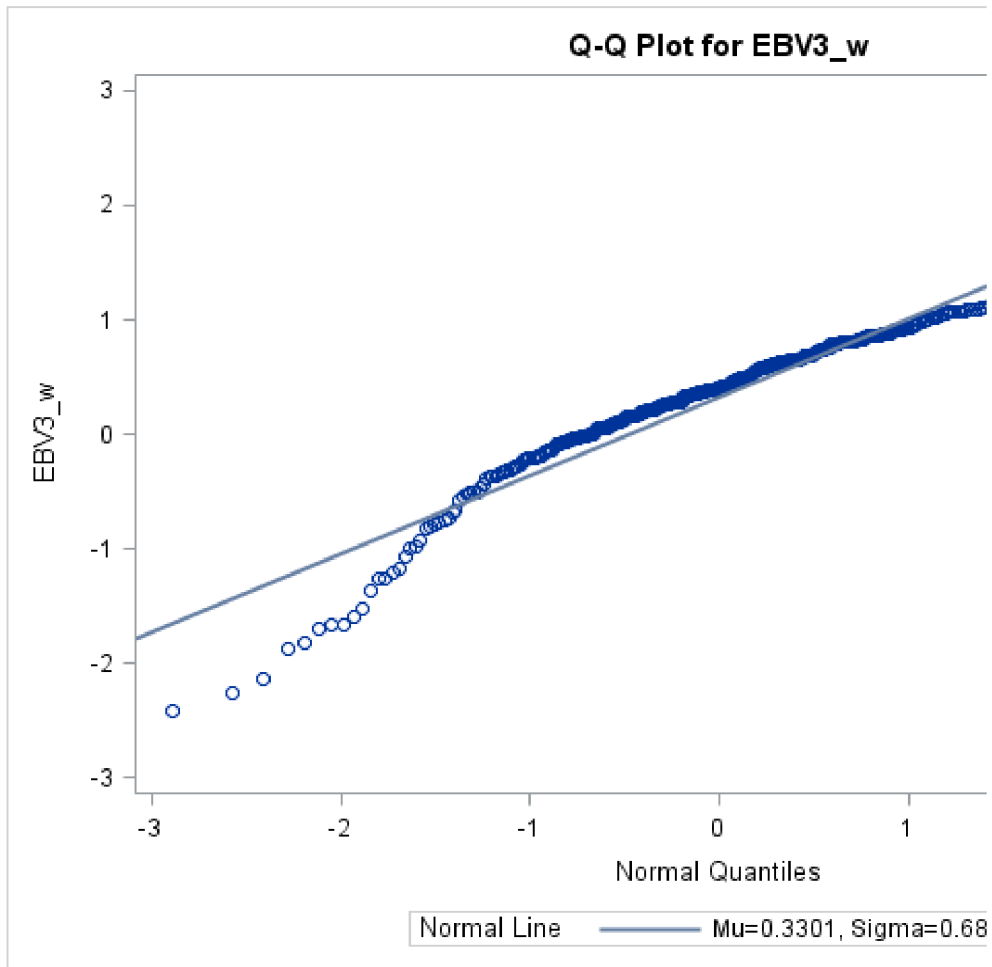
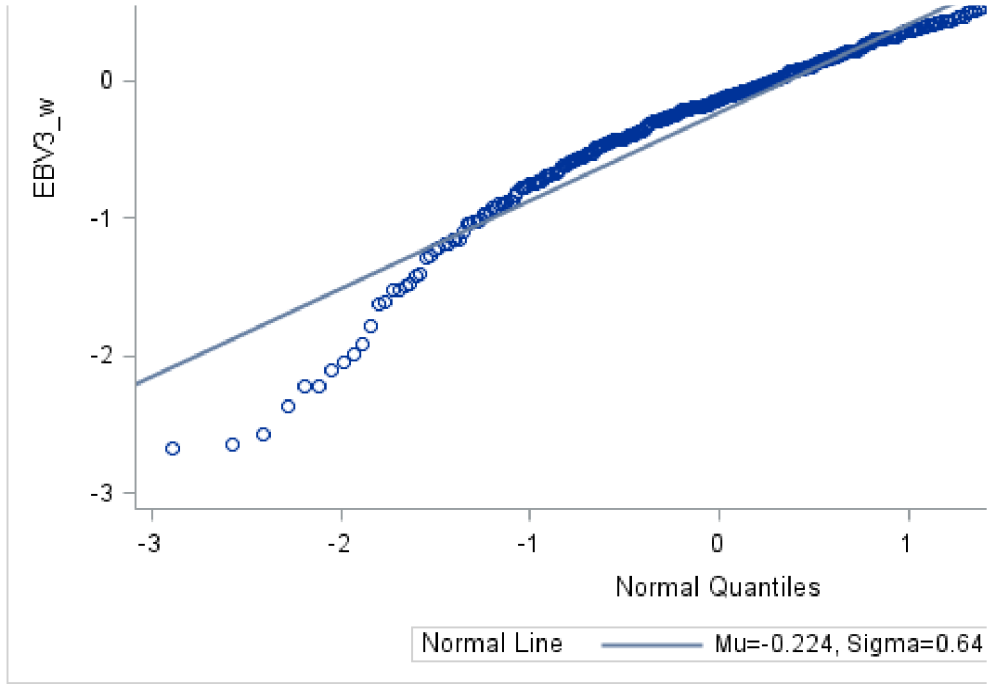
individuální spolehlivosti: celá kohorta vs. genotypovaná kohorta

data w (n = 324)		data p (n = 324)		data w (n = 14)		data p (n = 14)	
0.39		0.17		0.42		0.16	
0.26	0.33	0.10	0.14	0.28	0.36	0.09	0.13
0.36		0.15		0.39		0.14	
0.31		0.09		0.41		0.20	
0.16	0.25	0.01	0.05	0.28	0.36	0.12	0.17
0.27		0.07		0.37		0.18	
0.43		0.19		0.46		0.18	
0.31	0.37	0.13	0.16	0.34	0.40	0.12	0.15
0.36		0.16		0.39		0.15	
0.35		0.12		0.45		0.23	
0.22	0.28	0.04	0.08	0.34	0.39	0.16	0.19
0.27		0.07		0.38		0.19	
0.41		0.20		0.51		0.32	
0.31	0.34	0.15	0.17	0.42	0.45	0.27	0.28
0.30		0.15		0.41		0.26	
0.31		0.09		0.42		0.21	
0.20	0.24	0.03	0.05	0.32	0.35	0.15	0.16
0.19		0.02		0.31		0.14	
0.44		0.22		0.54		0.34	
0.34	0.37	0.17	0.19	0.46	0.48	0.29	0.30
0.33		0.17		0.45		0.28	
0.36		0.12		0.46		0.24	
0.25	0.28	0.06	0.08	0.36	0.39	0.17	0.19
0.23		0.05		0.35		0.17	
0.44		0.21		0.53		0.31	
0.34	0.37	0.16	0.18	0.43	0.46	0.26	0.27
0.33		0.16		0.43		0.25	
0.44		0.21		0.51		0.28	
0.33	0.37	0.16	0.17	0.42	0.45	0.23	0.24
0.33		0.15		0.41		0.22	
0.43		0.20		0.50		0.25	
0.33	0.36	0.15	0.17	0.40	0.43	0.20	0.22
0.33		0.15		0.39		0.20	
0.46		0.23		0.53		0.29	
0.36	0.39	0.18	0.19	0.43	0.46	0.24	0.25
0.35		0.17		0.42		0.23	
0.46		0.25		0.57		0.36	
0.36	0.40	0.20	0.21	0.48	0.51	0.32	0.33
0.36		0.19		0.47		0.31	
0.43		0.20		0.51		0.26	
0.33	0.36	0.15	0.16	0.41	0.43	0.20	0.22
0.32		0.14		0.39		0.20	
0.43		0.21		0.51		0.27	
0.33	0.36	0.15	0.17	0.41	0.44	0.21	0.23
0.32		0.14		0.40		0.21	

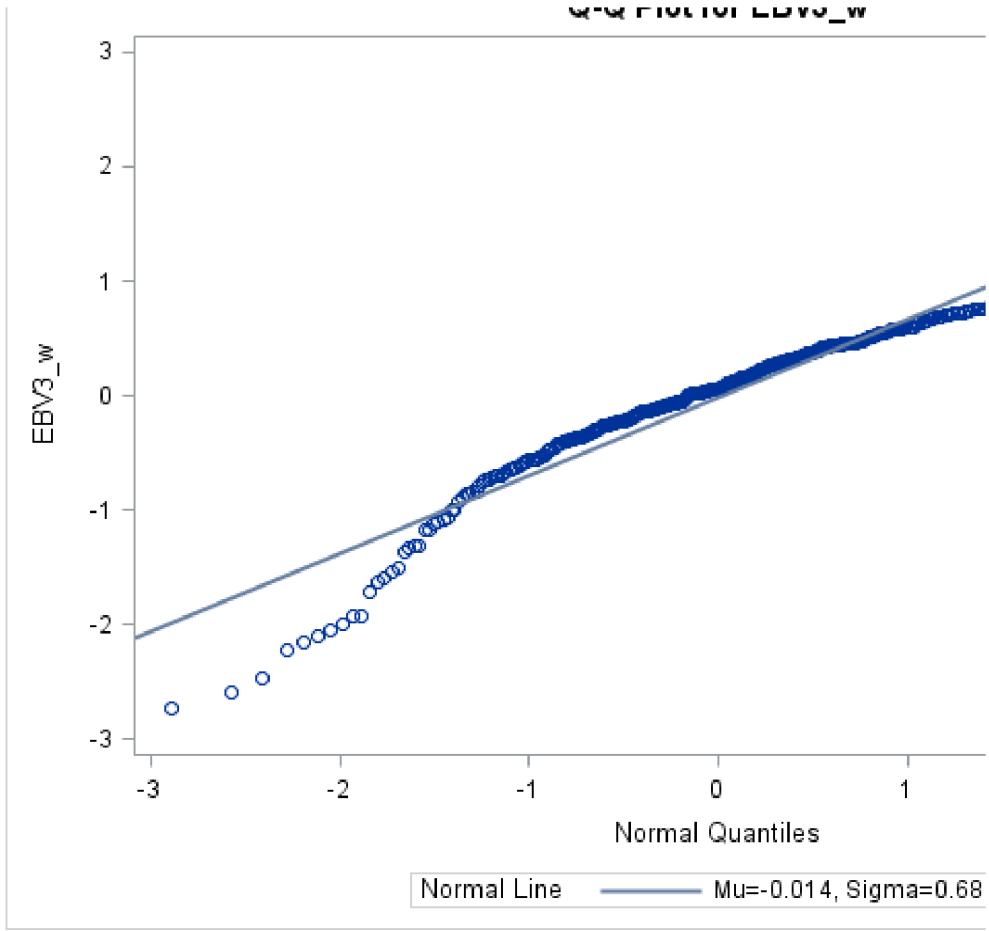


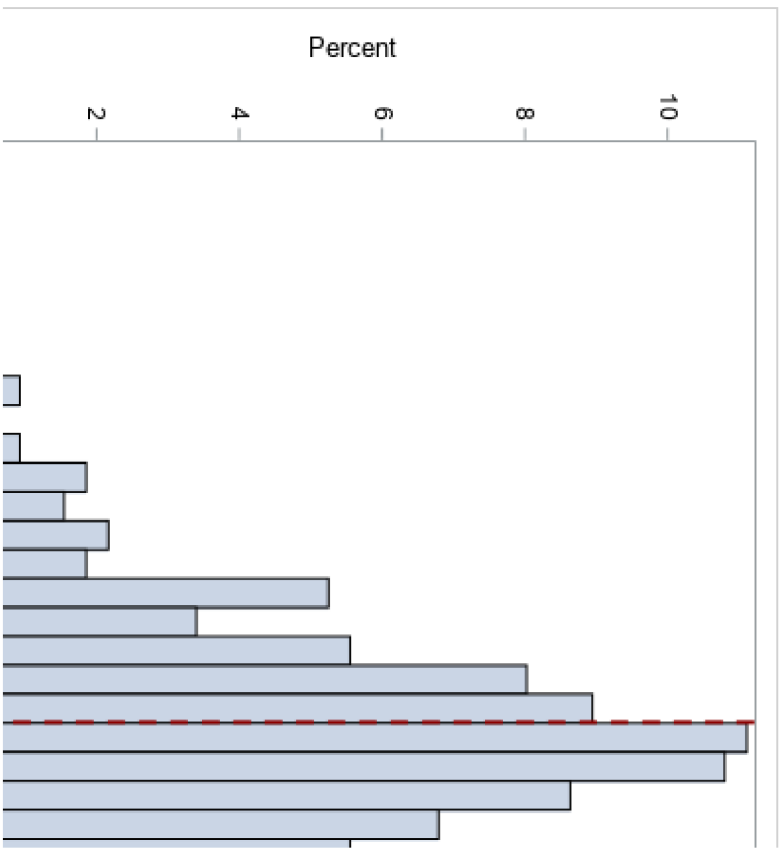
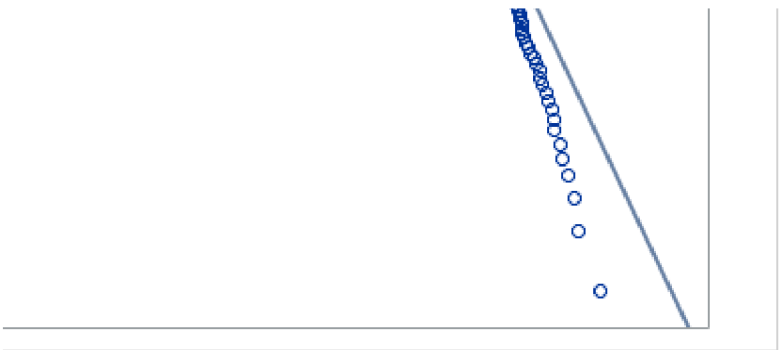
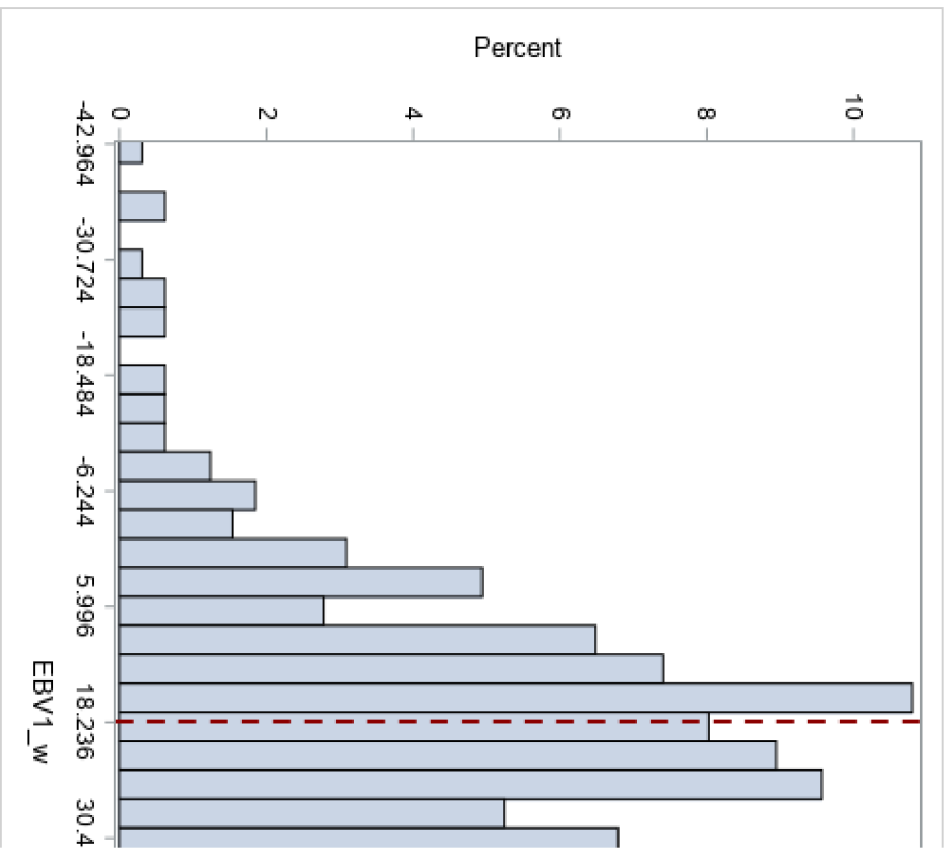
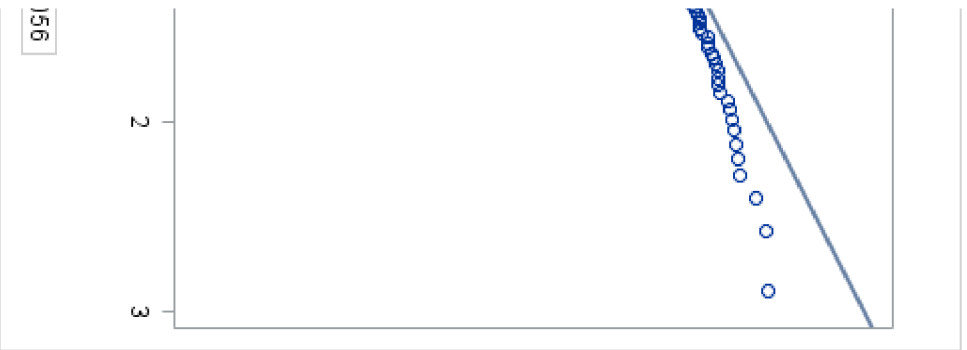






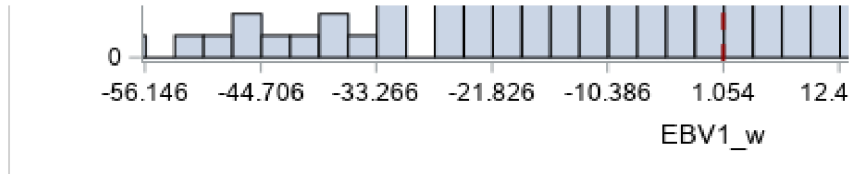
Q-Q Plot for EBV3_w



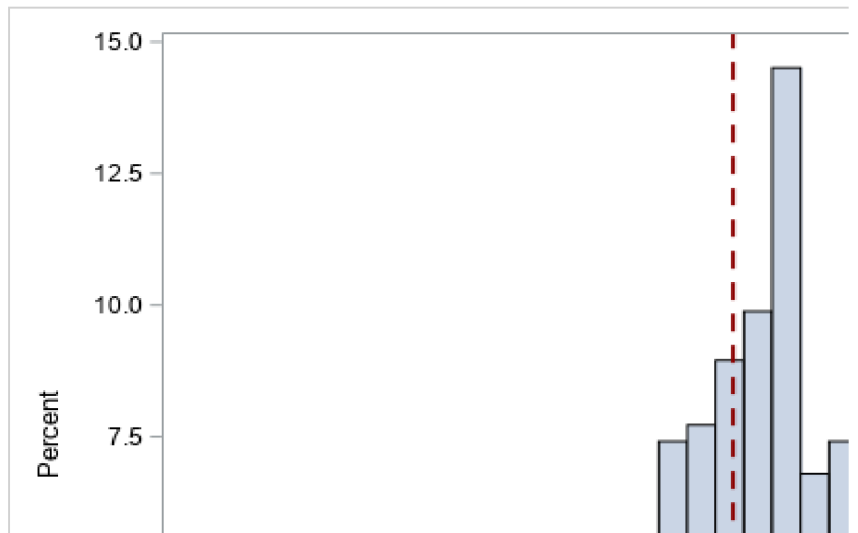
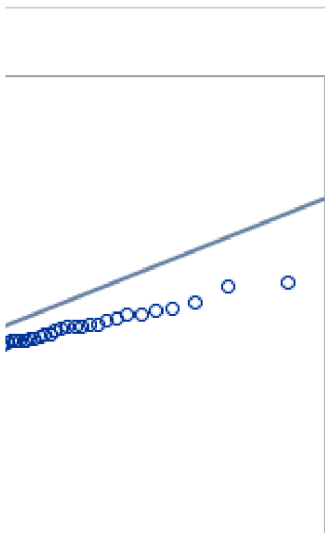
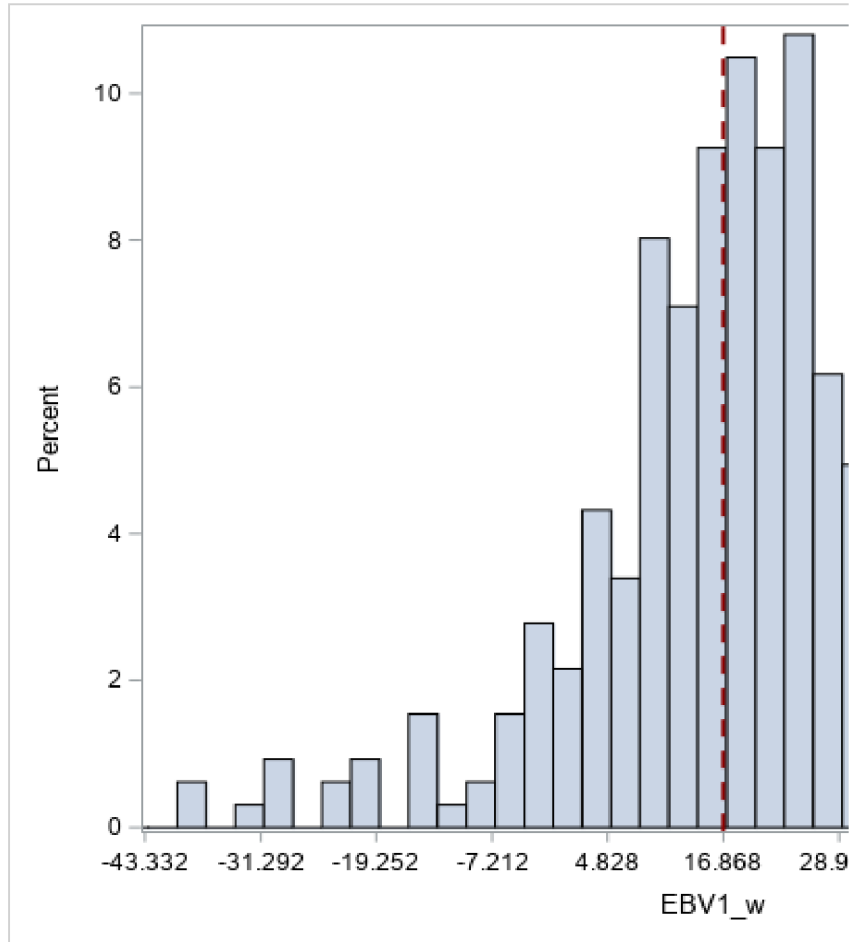


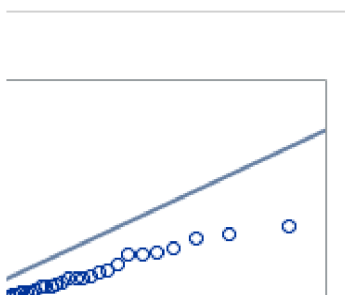
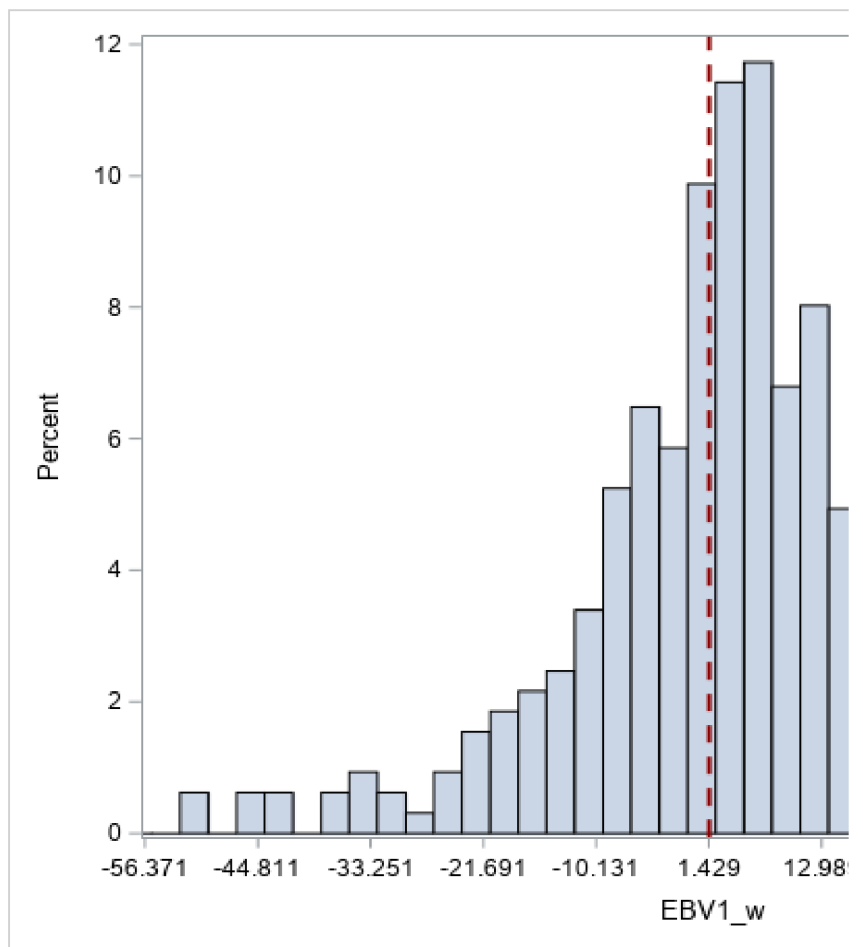
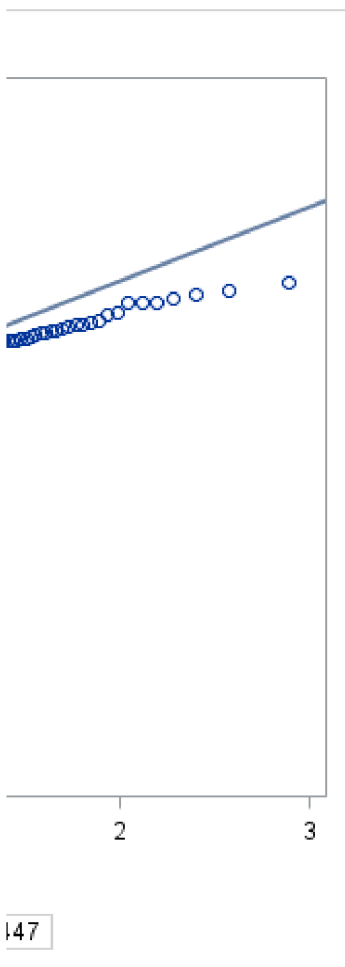
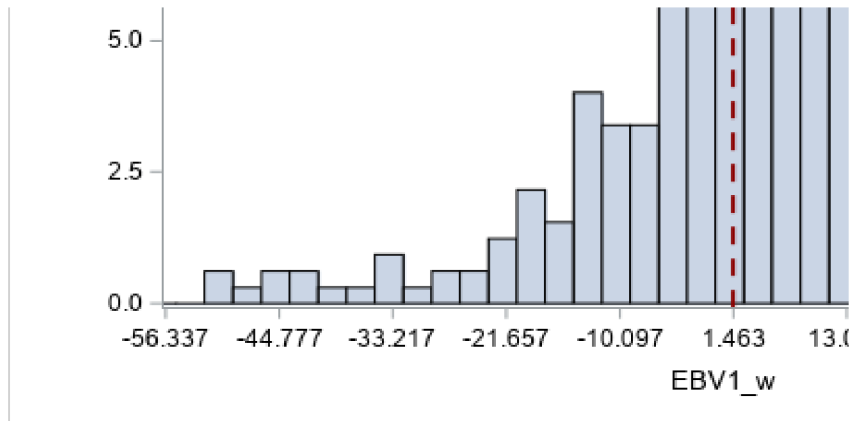
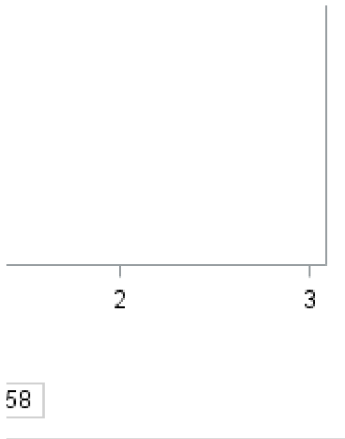


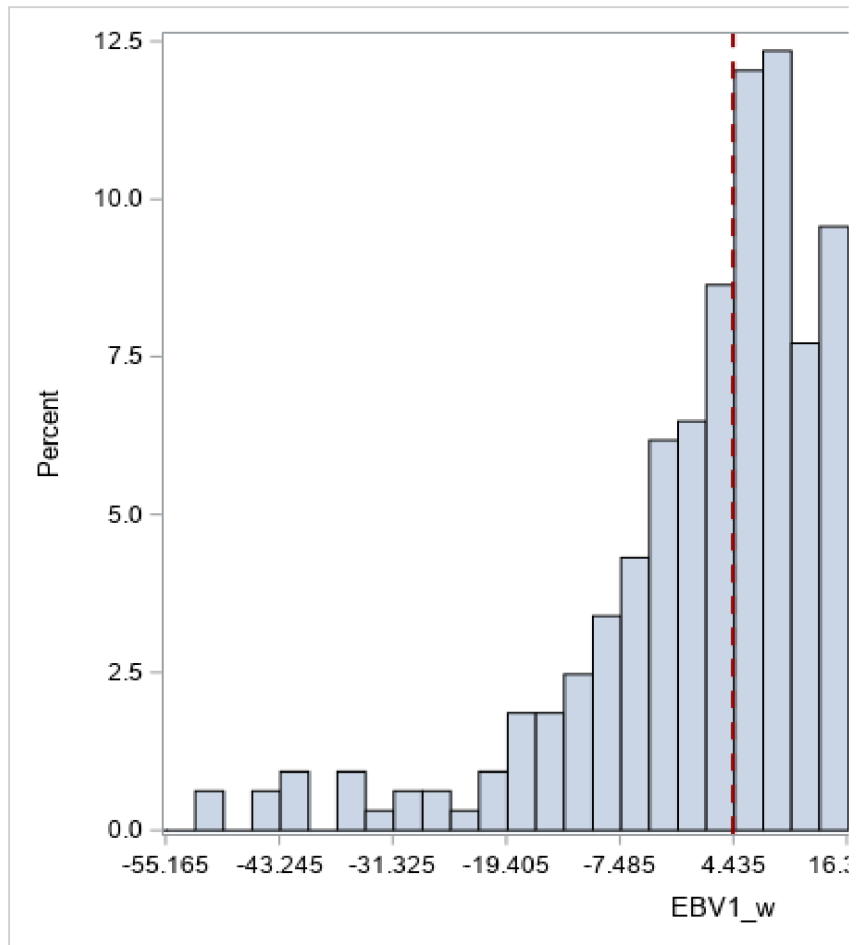
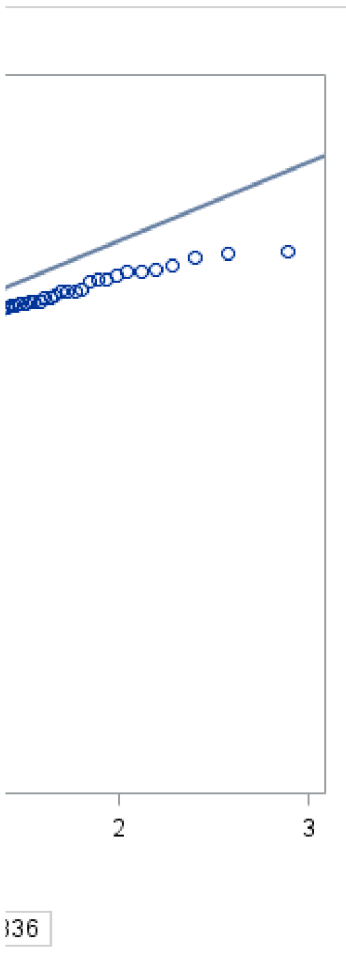
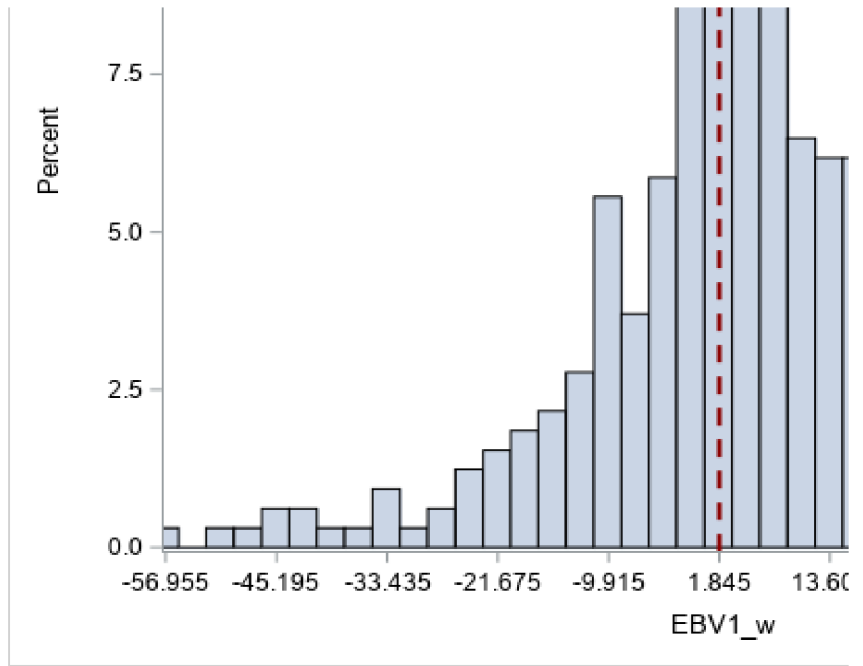
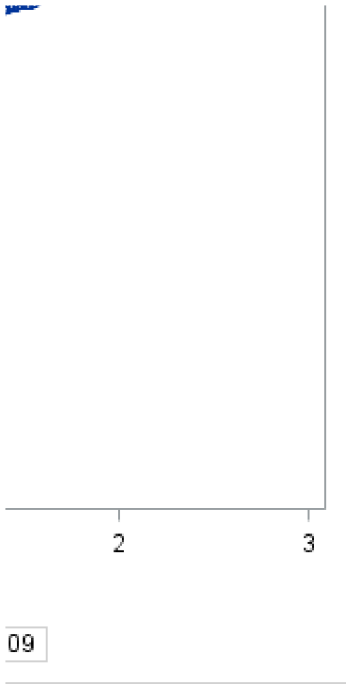
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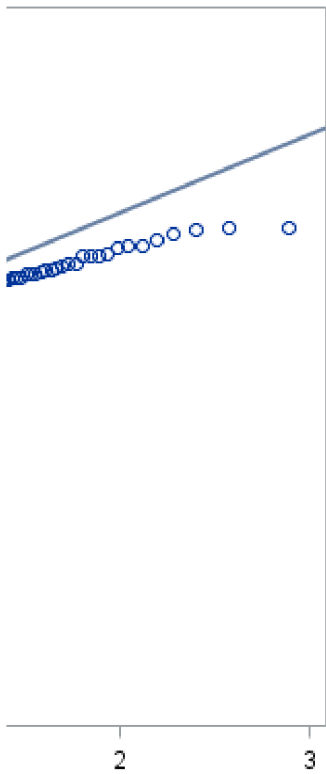


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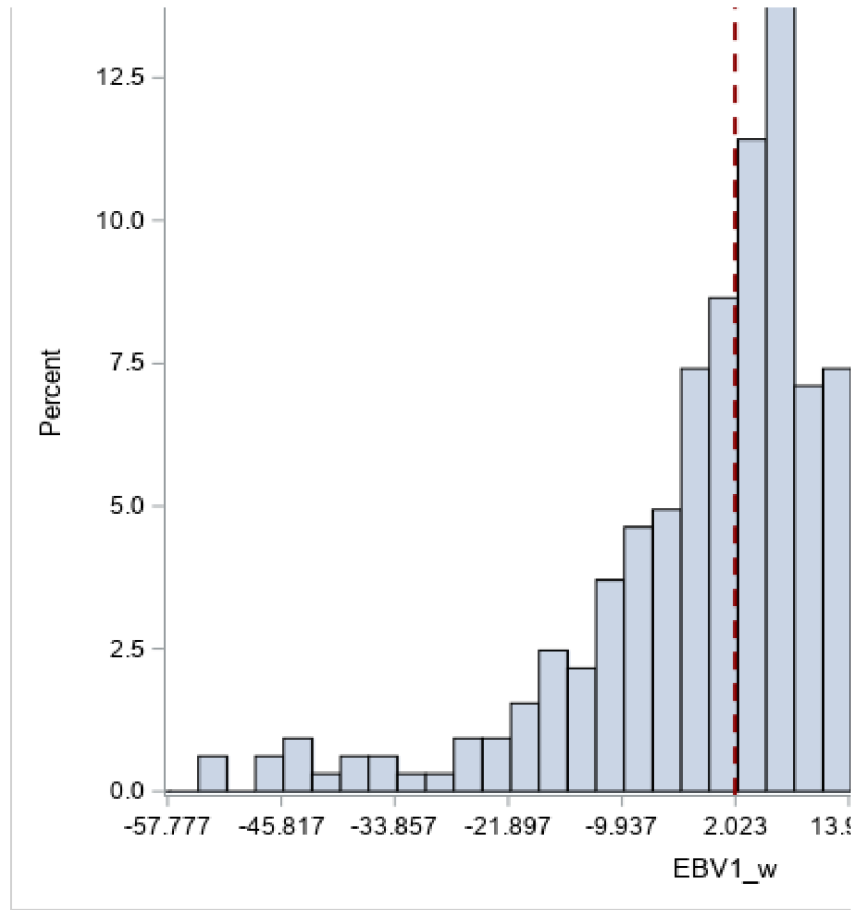


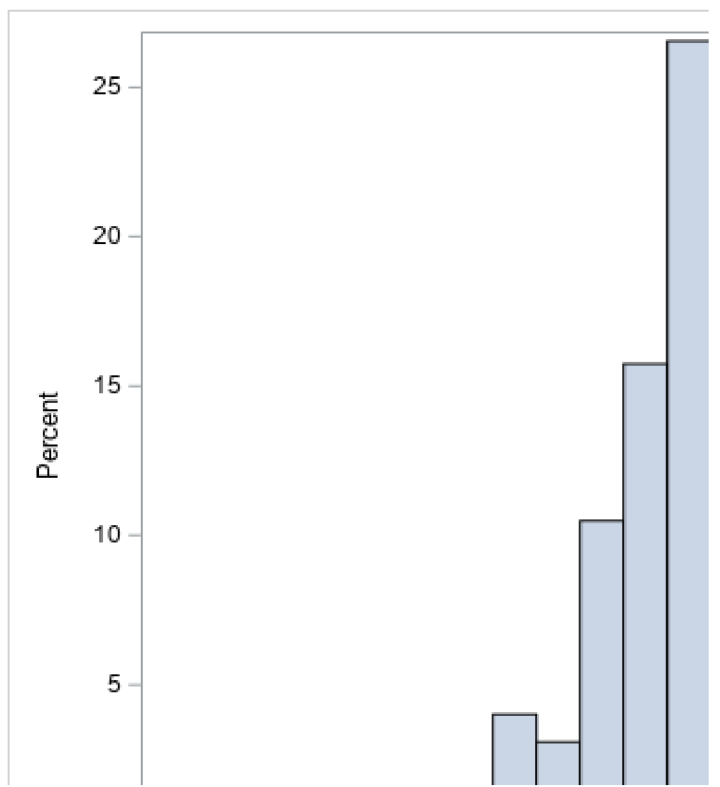
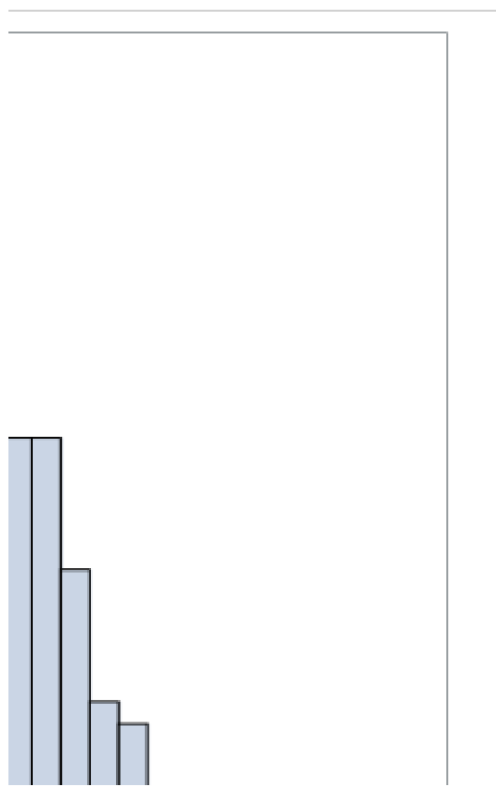
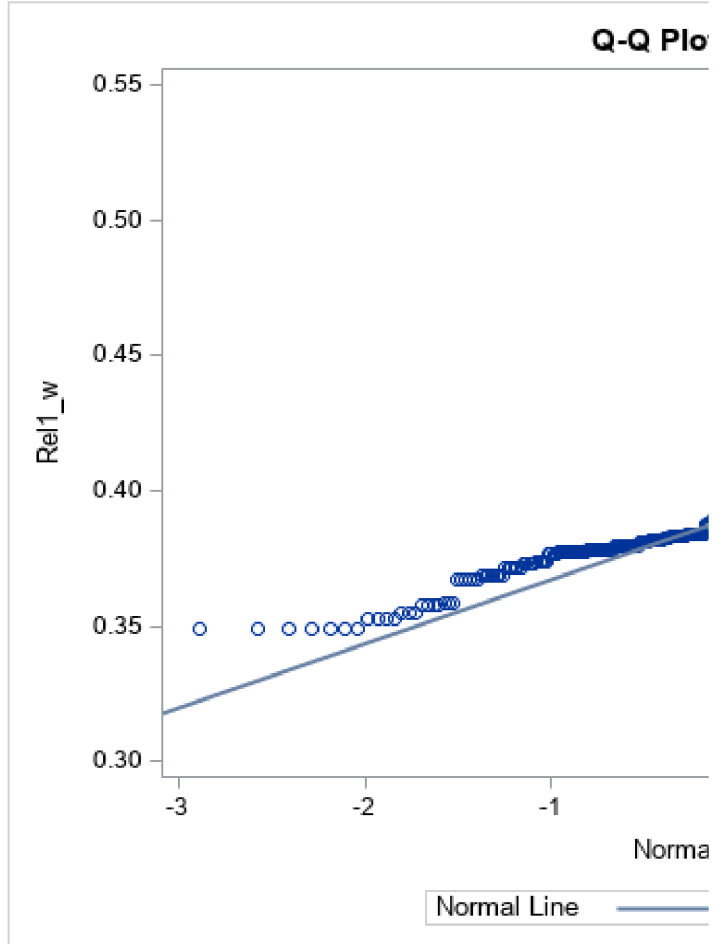
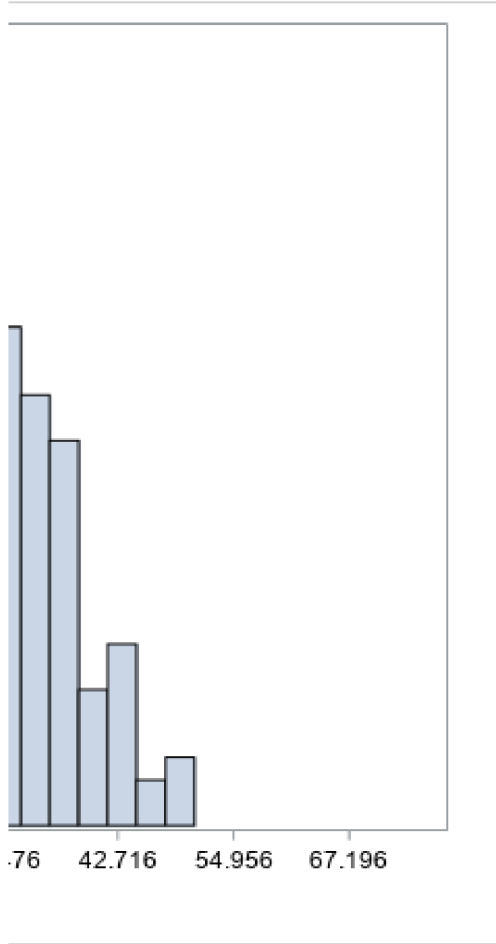


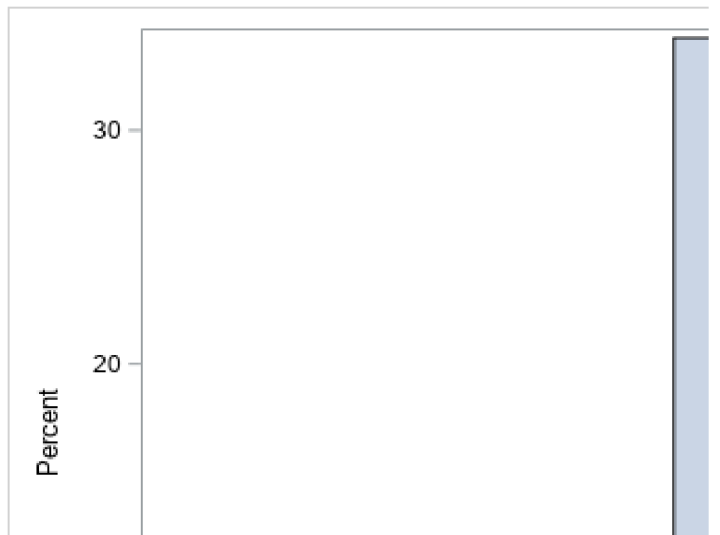
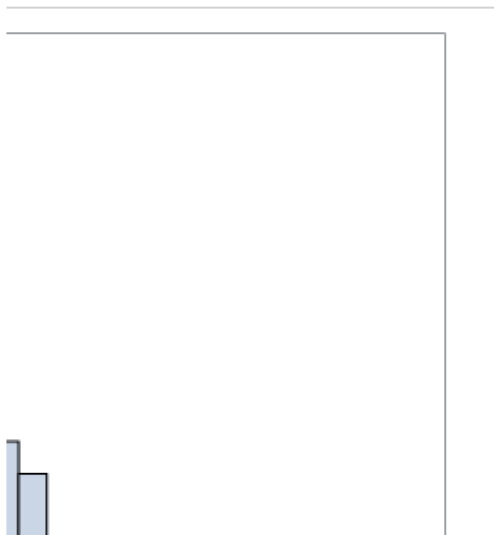
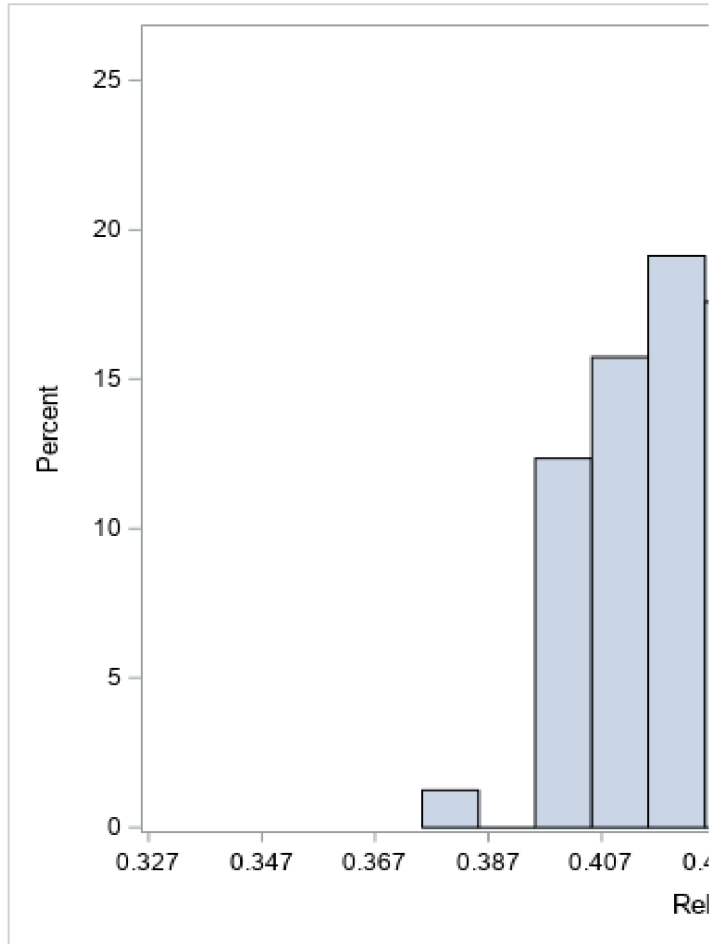
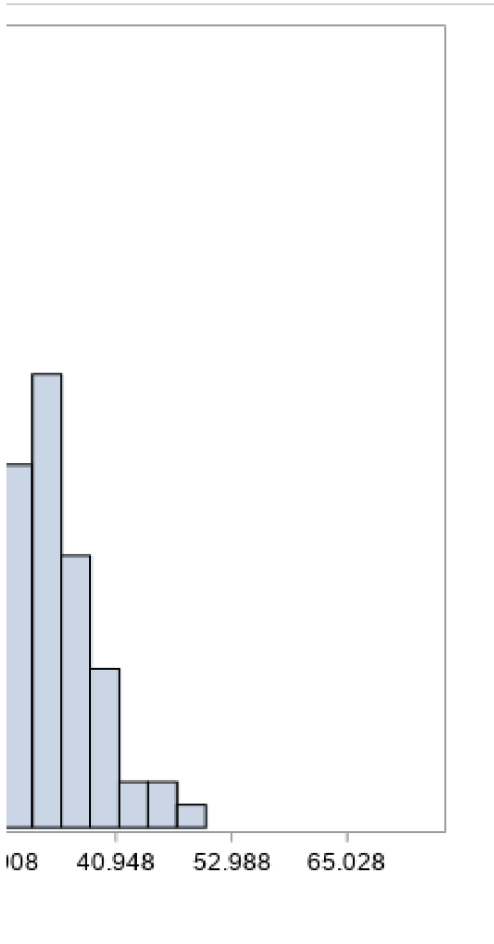
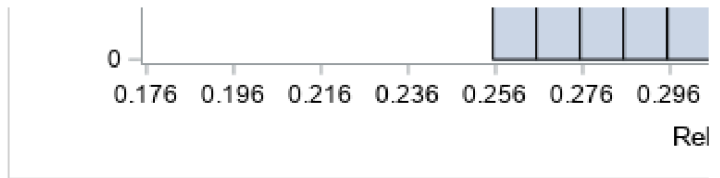
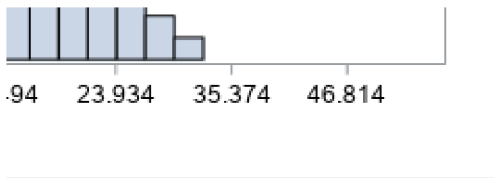


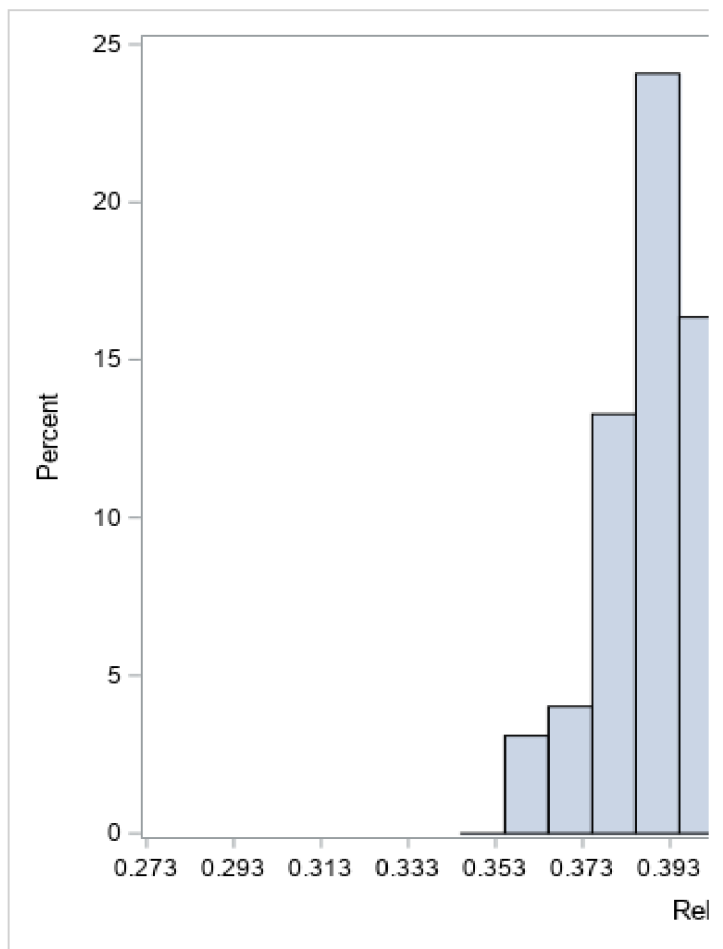
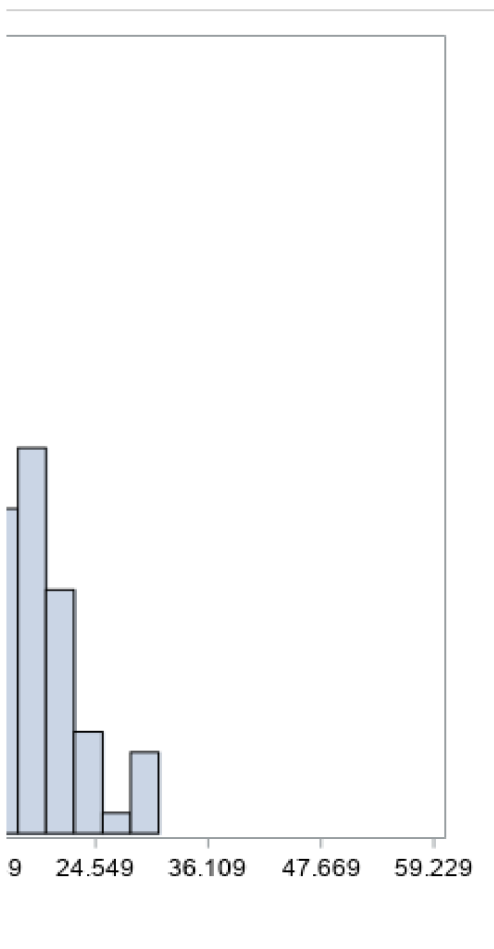
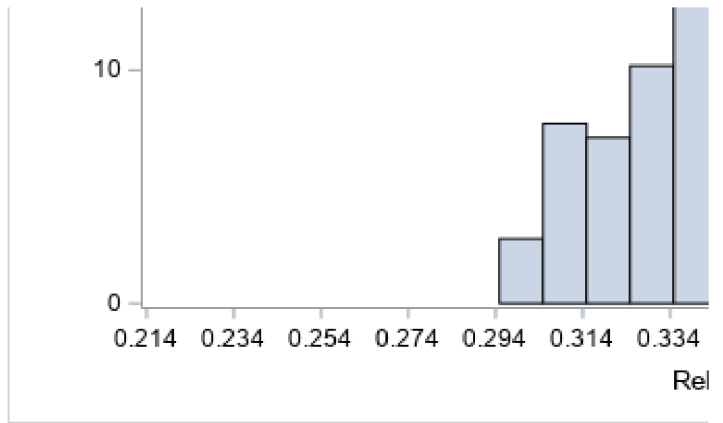
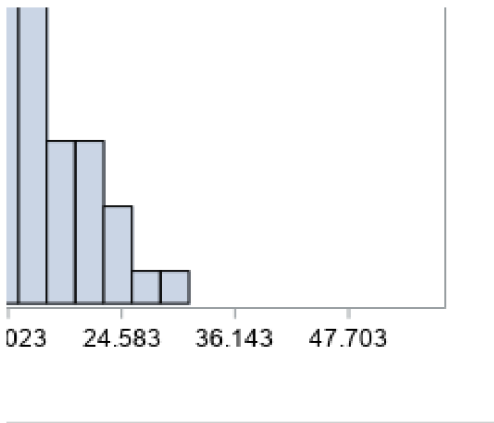


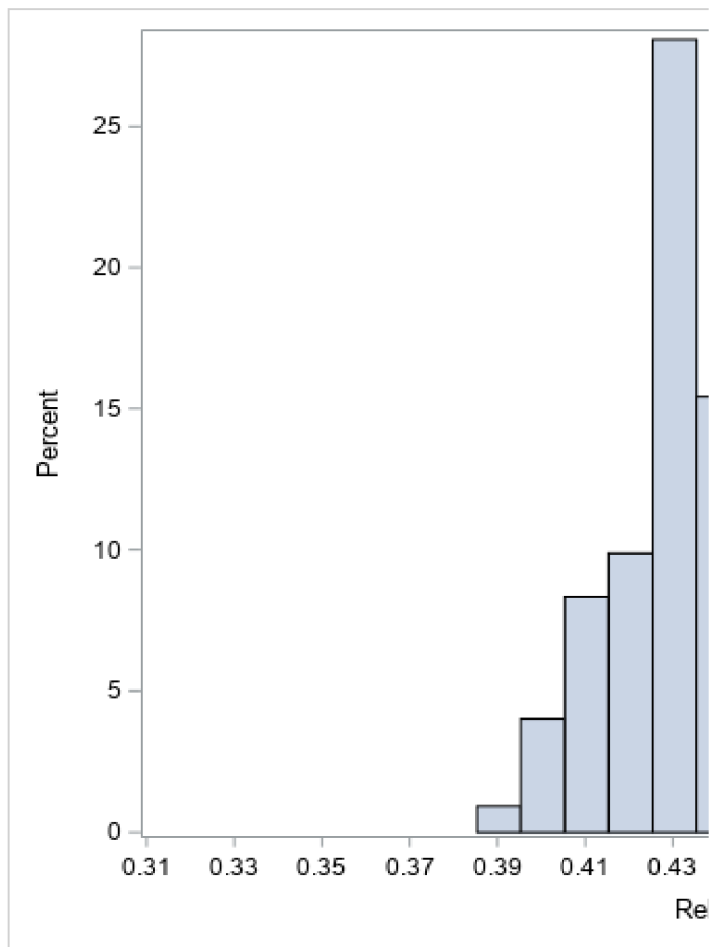
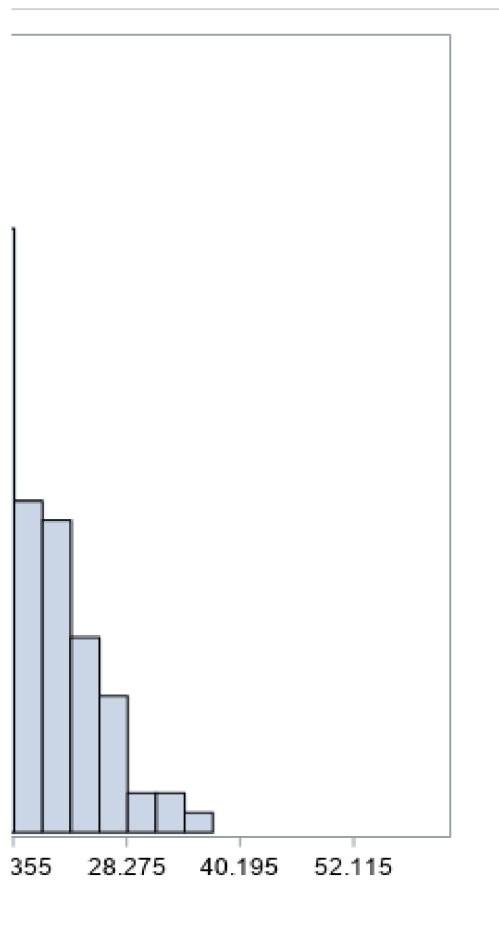
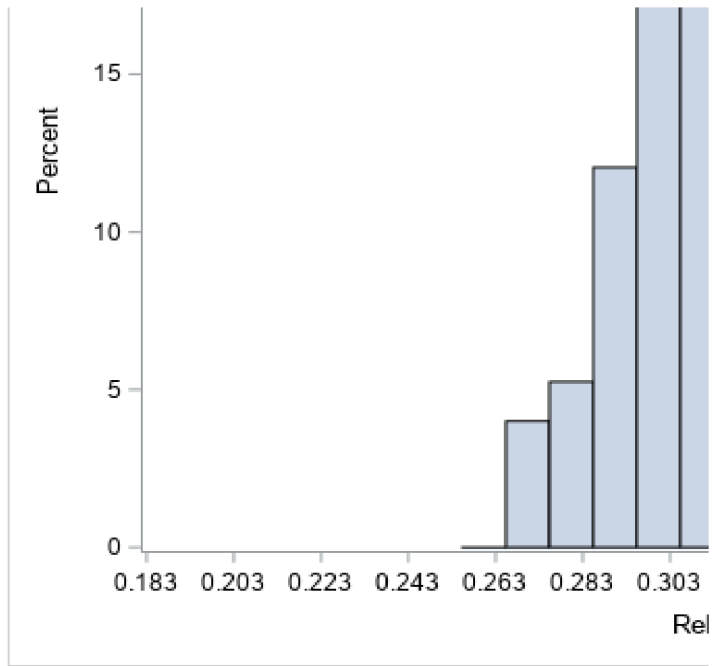
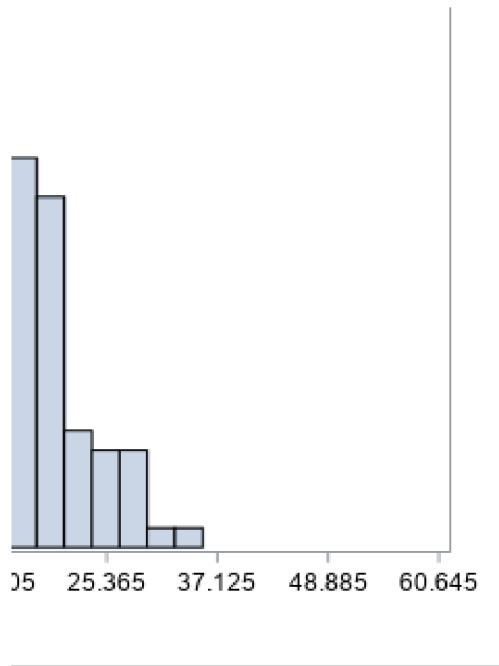
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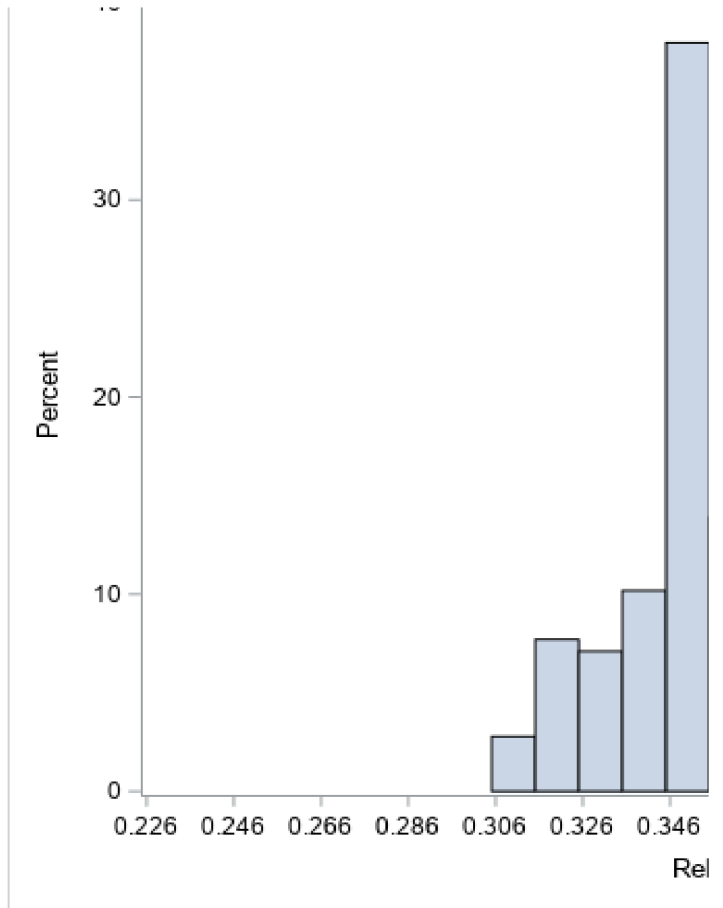
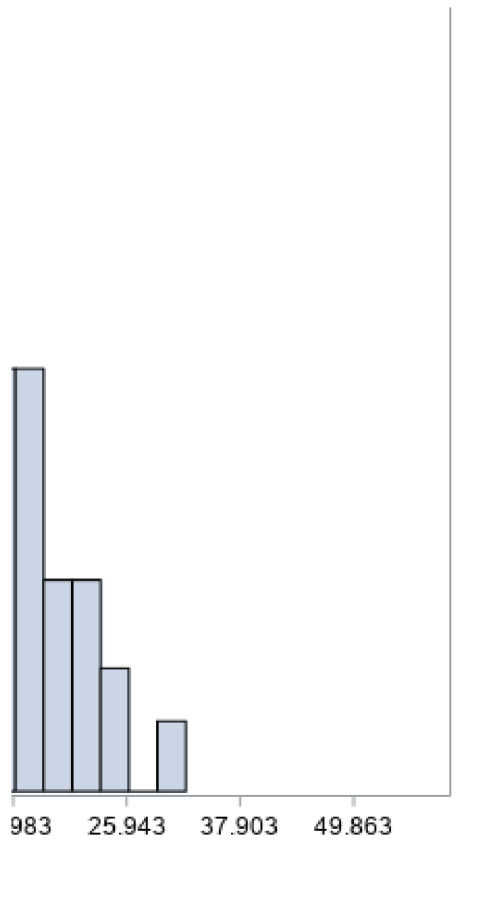




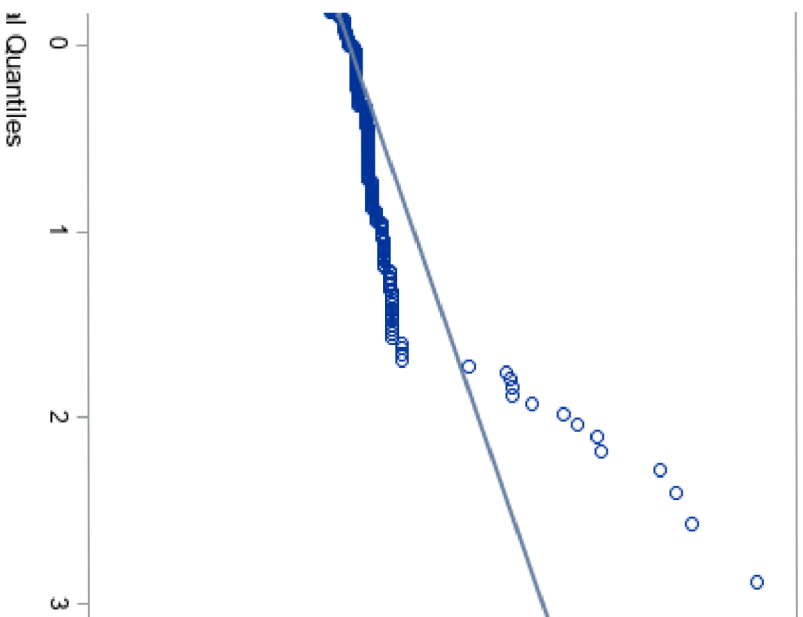




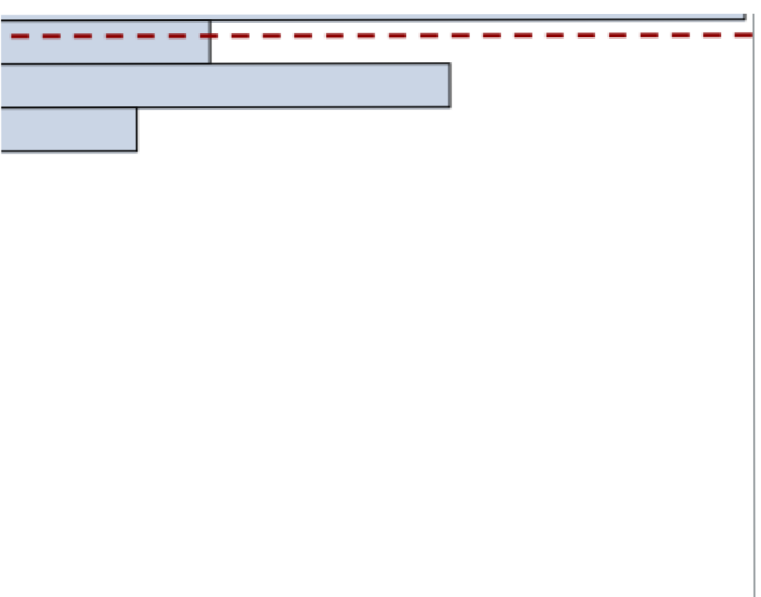
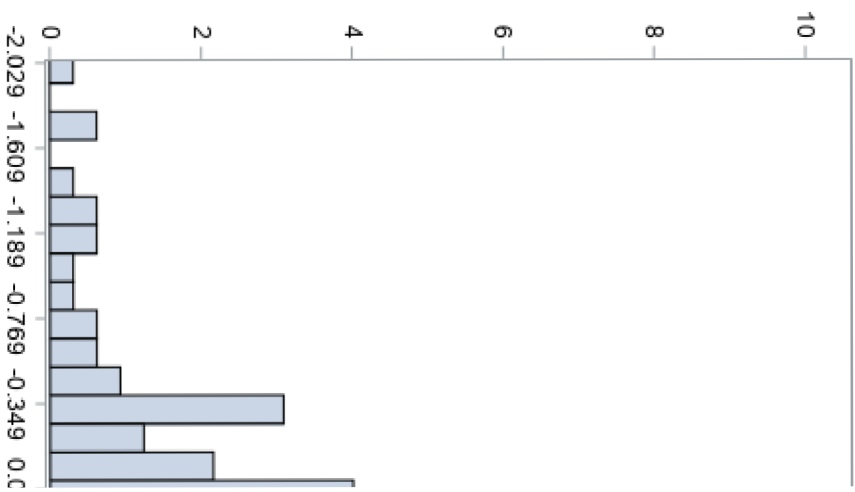




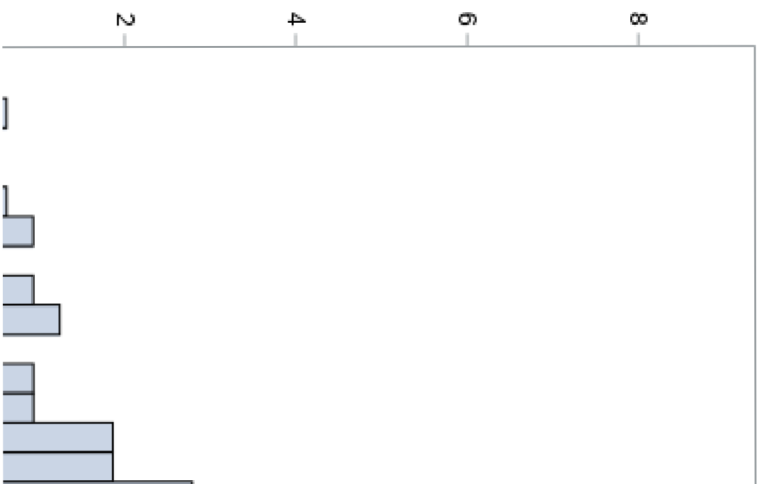
t for Rel1_w

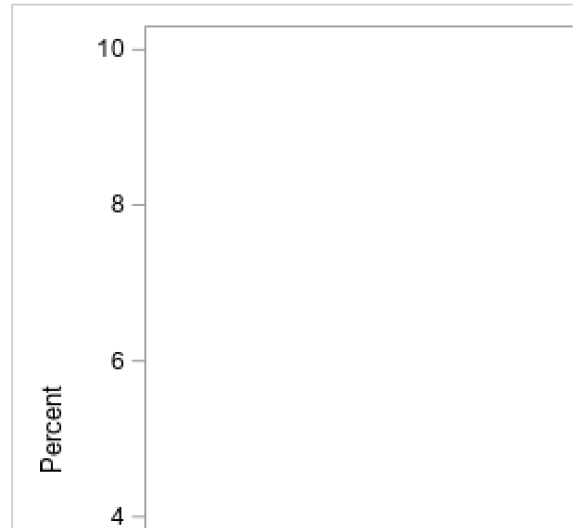
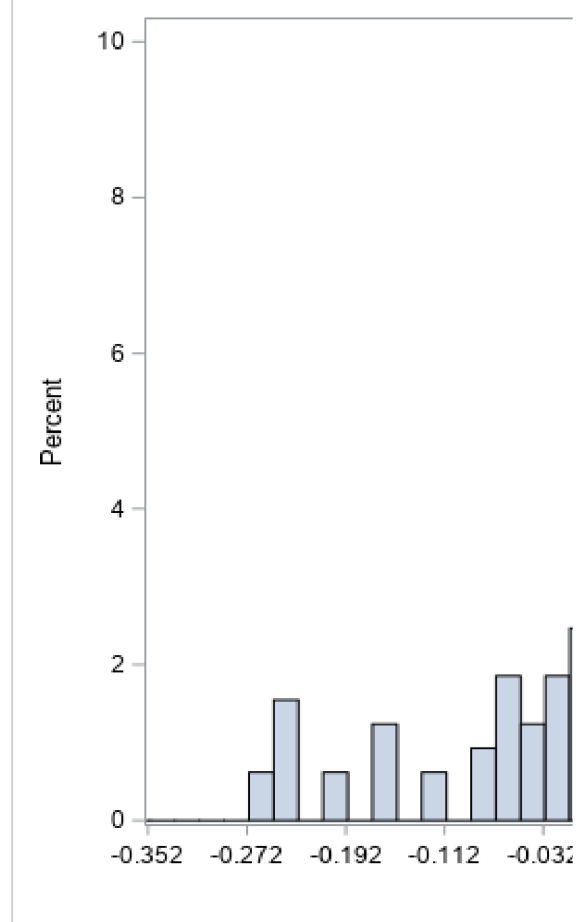
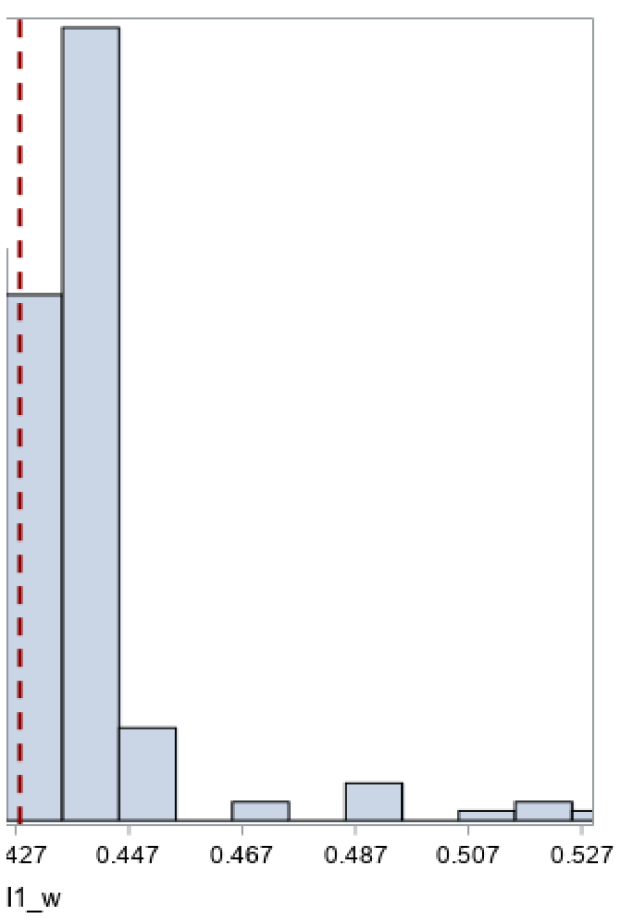
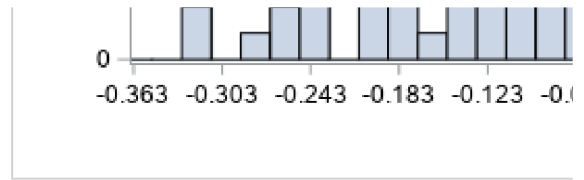
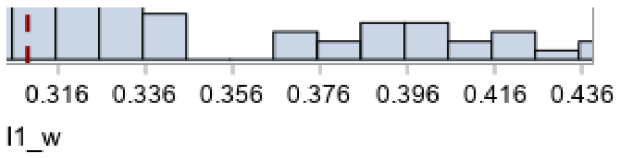


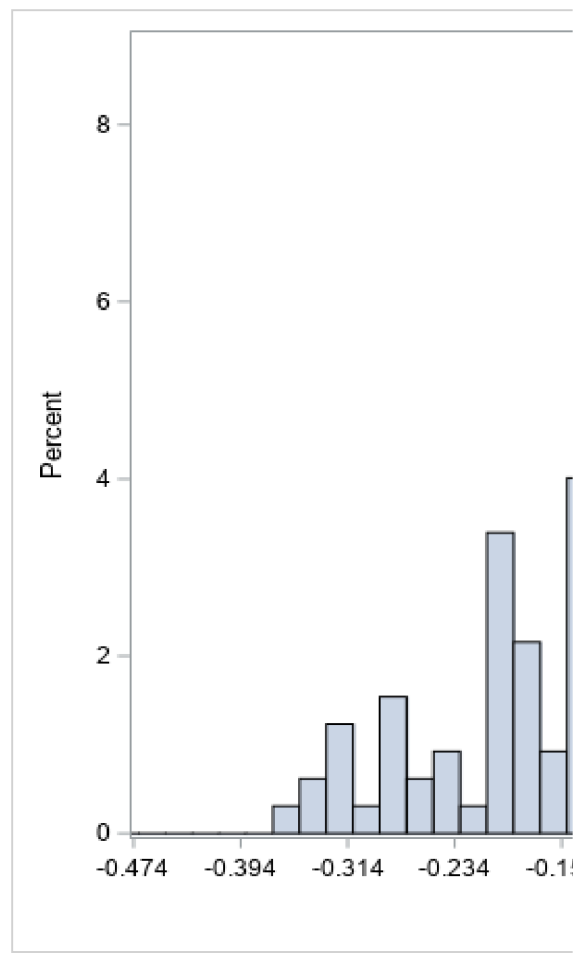
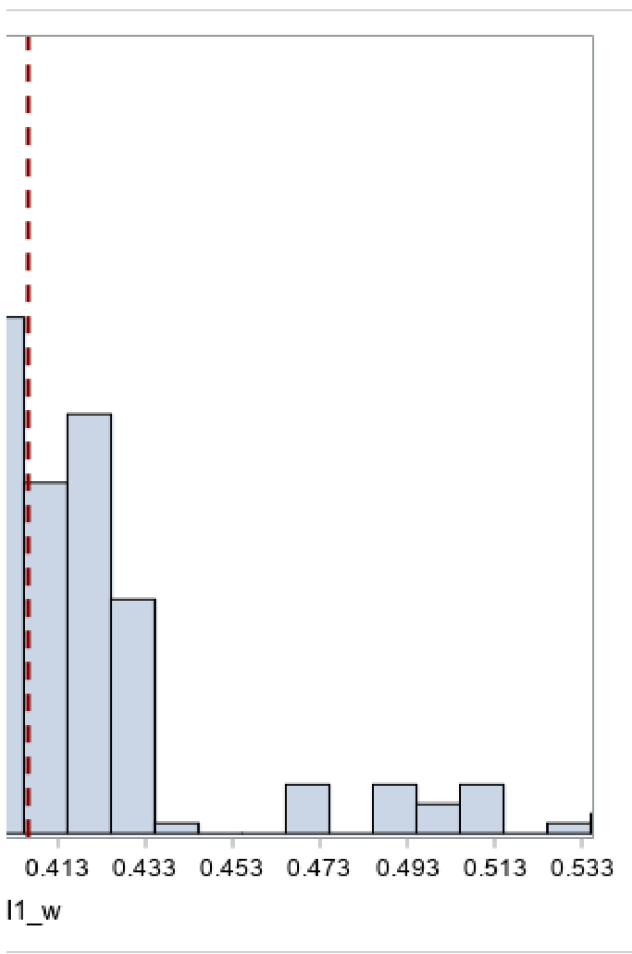
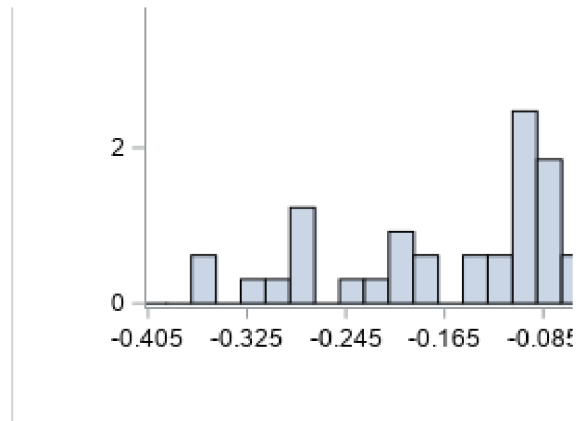
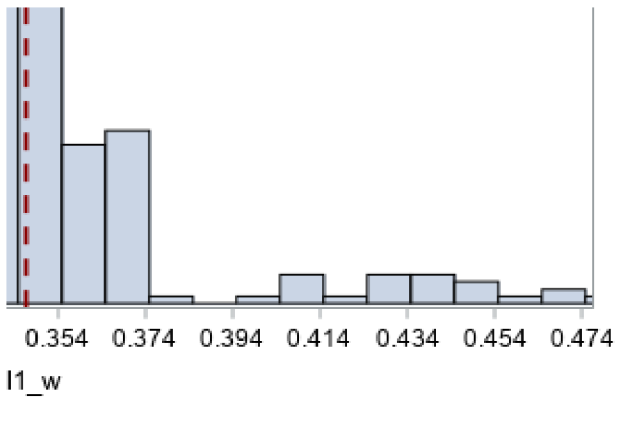
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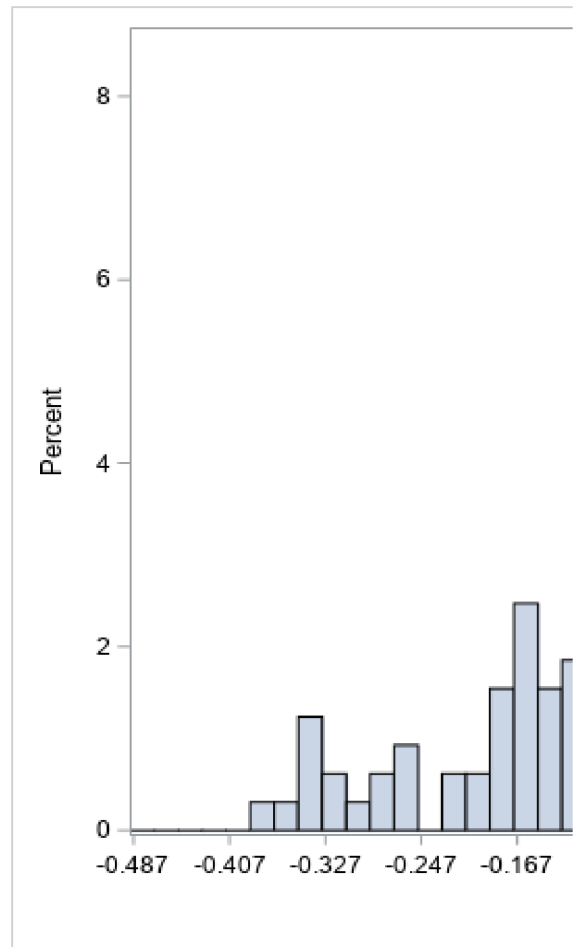
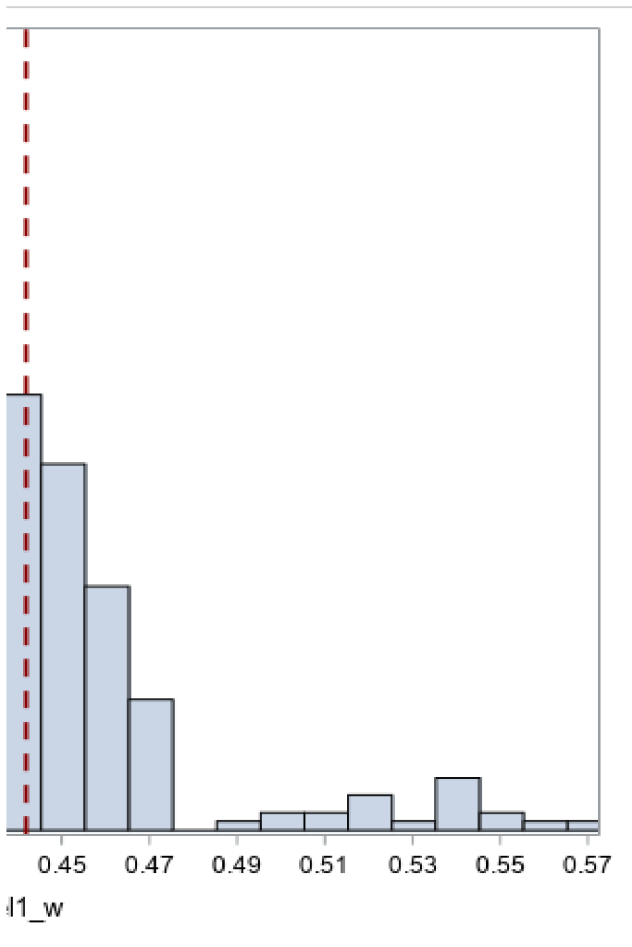
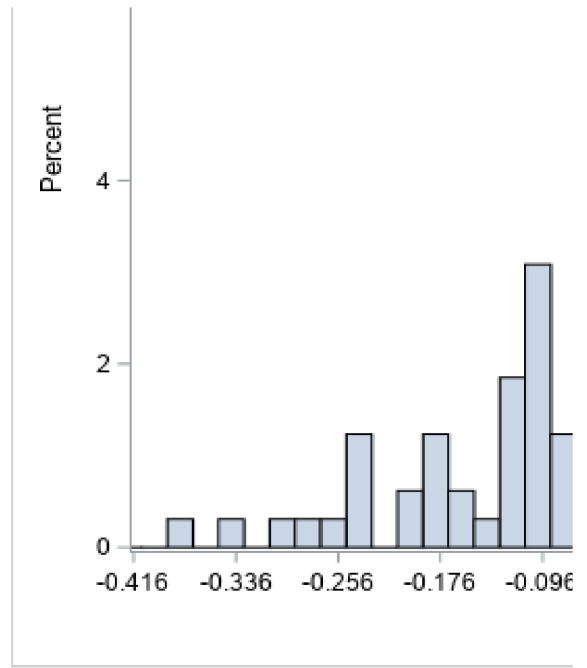
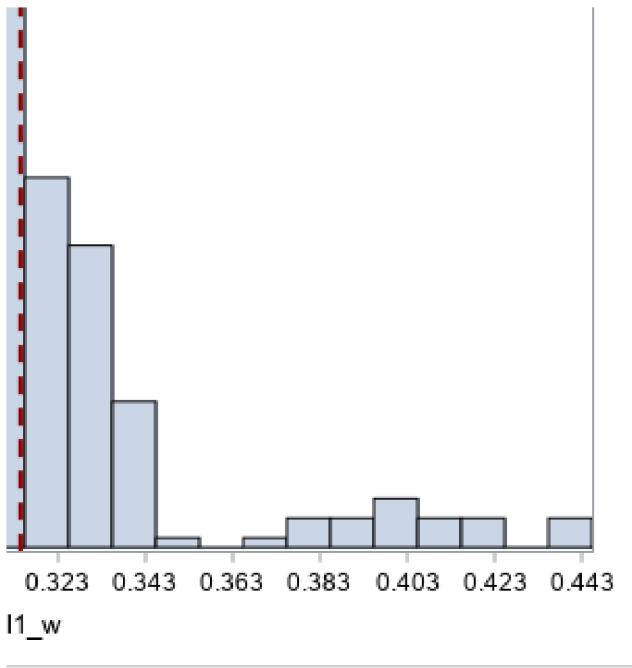


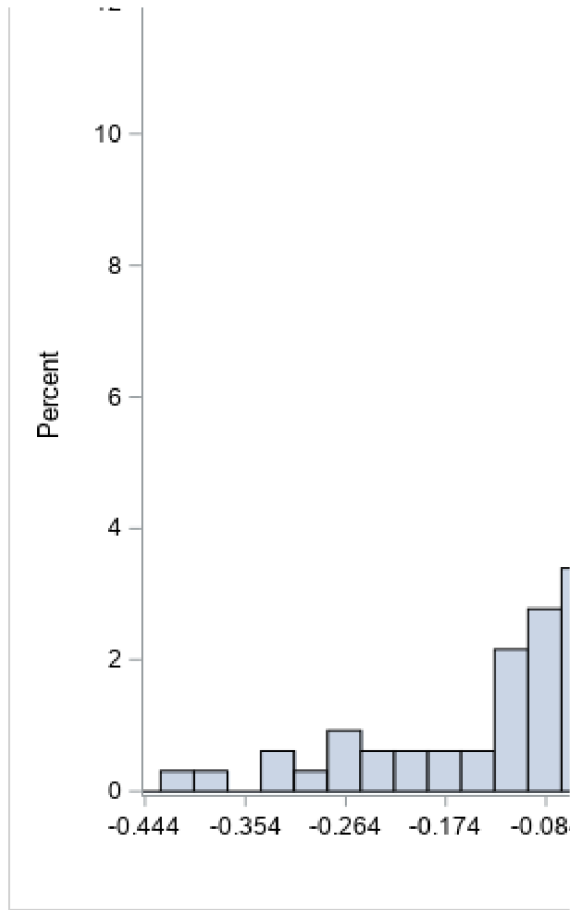
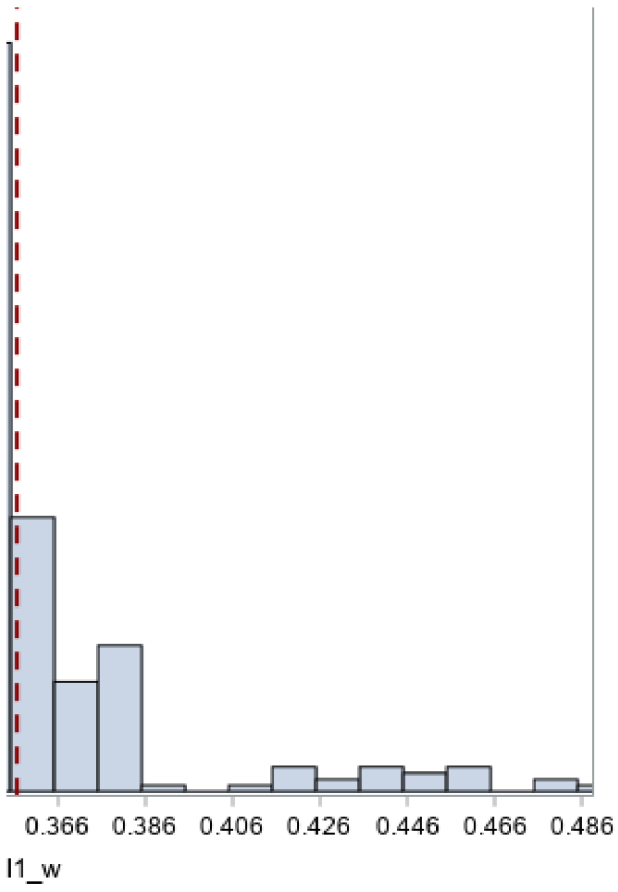
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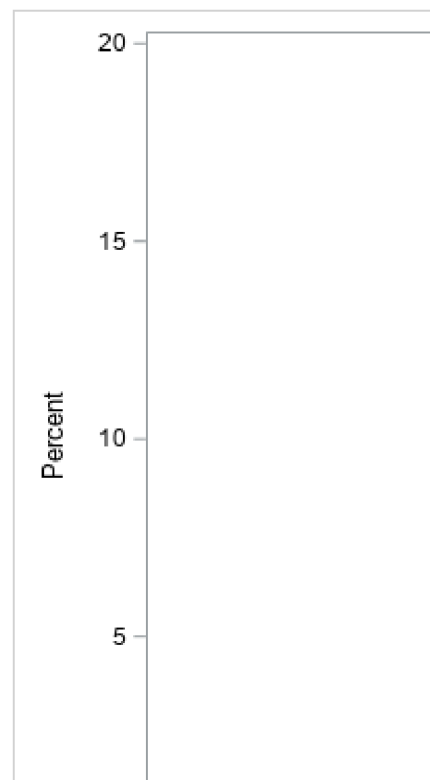
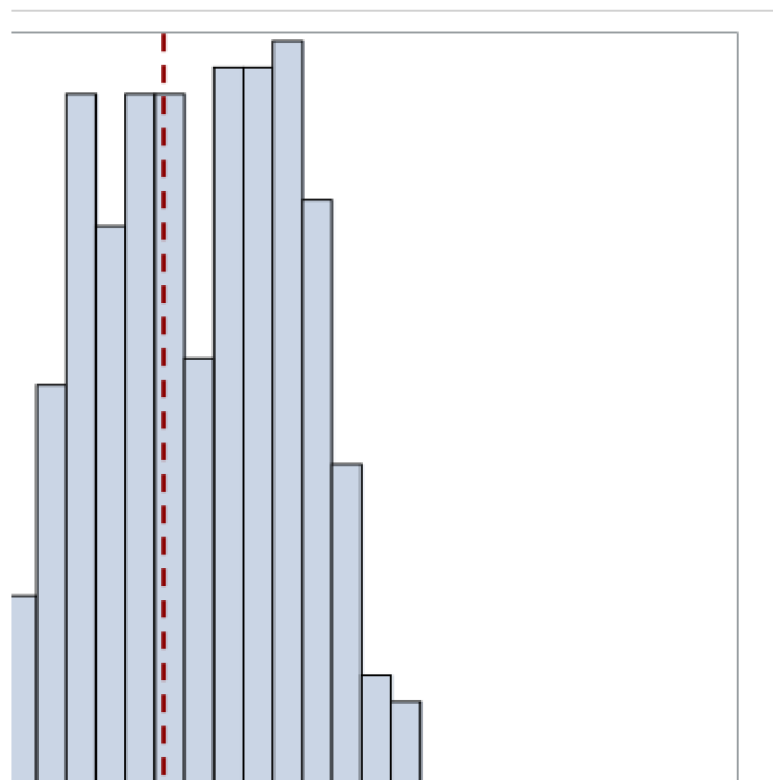
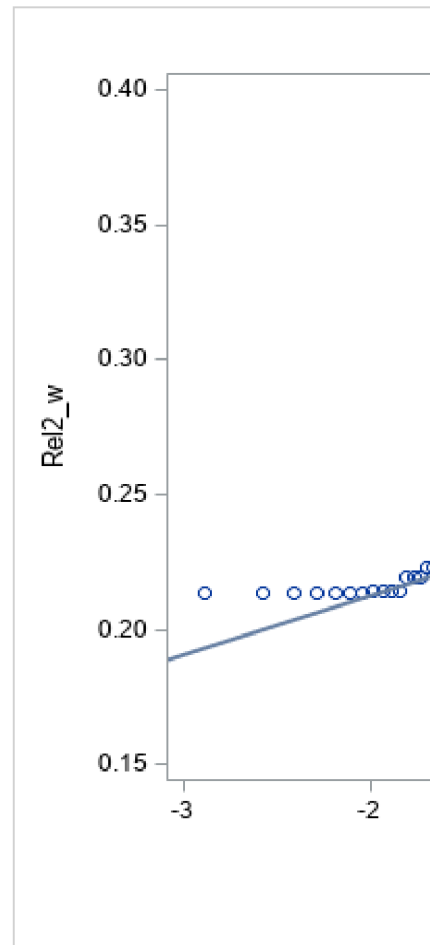
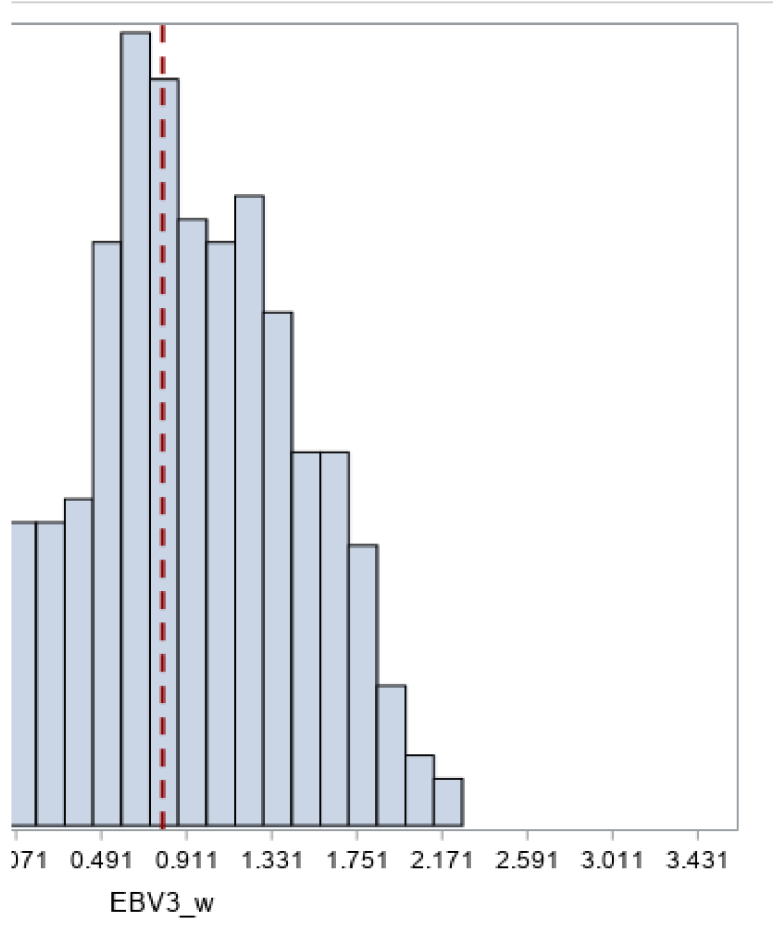


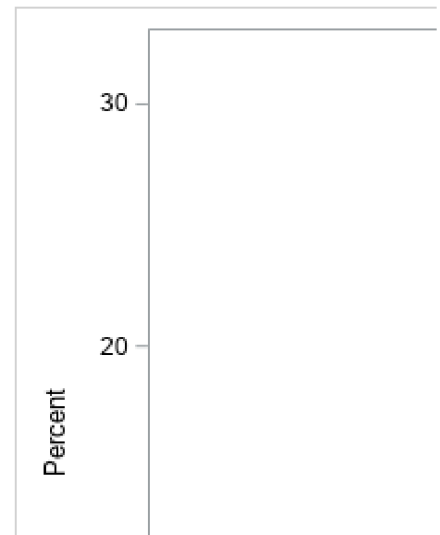
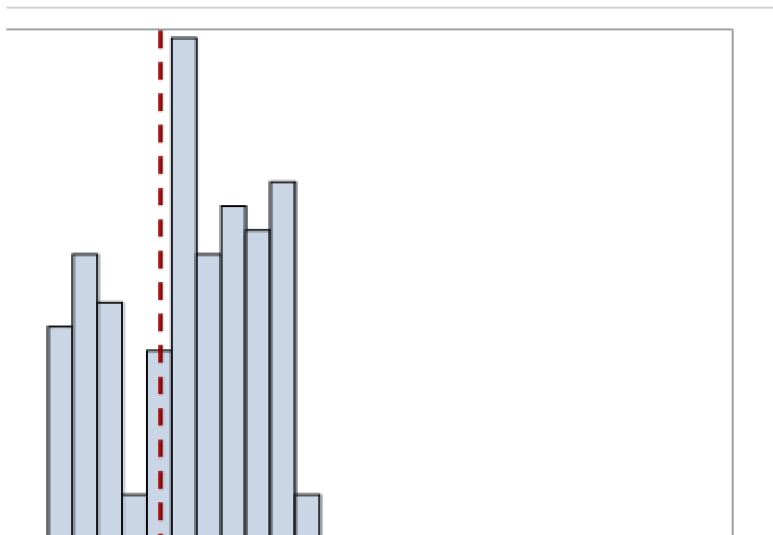
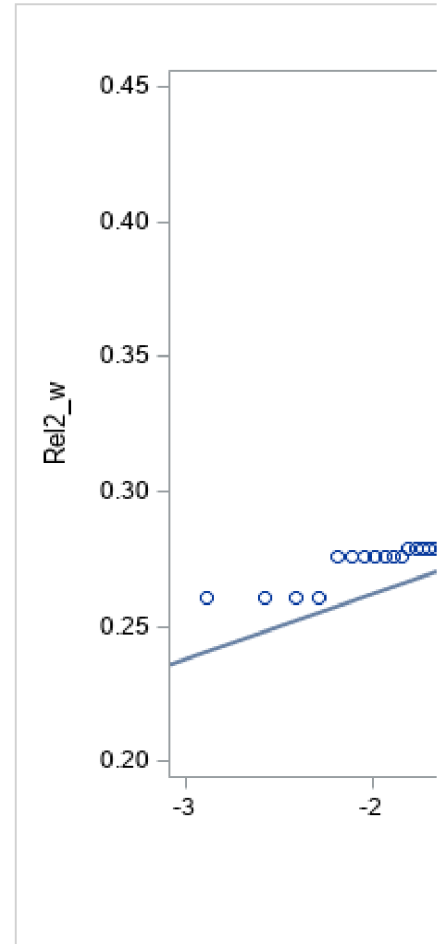
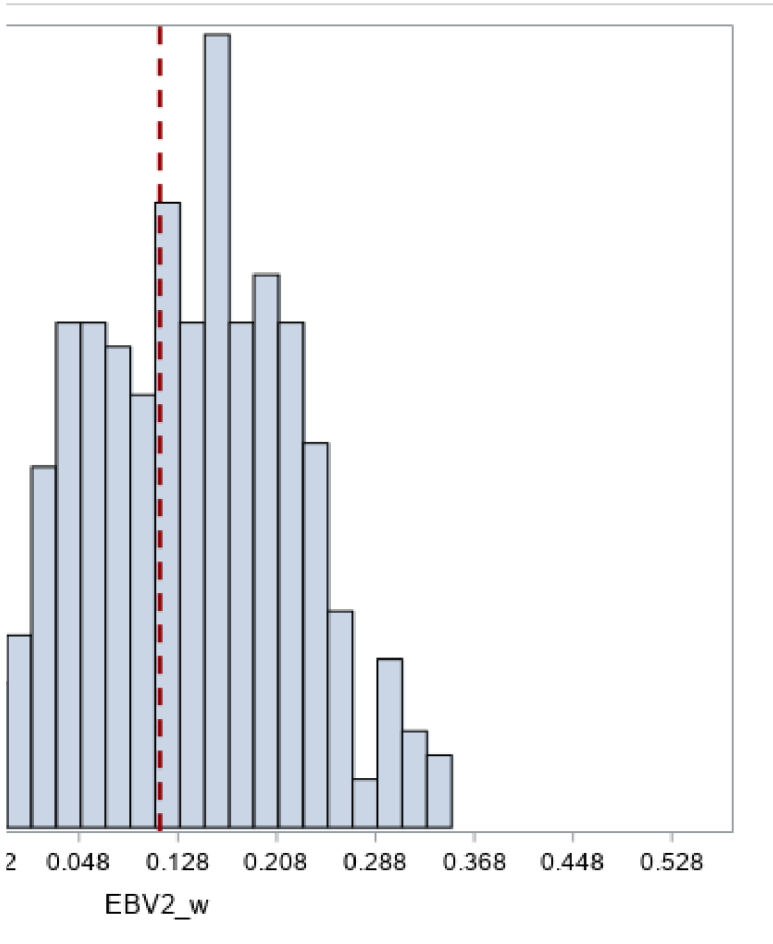
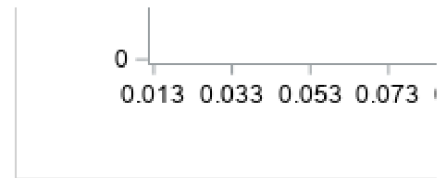
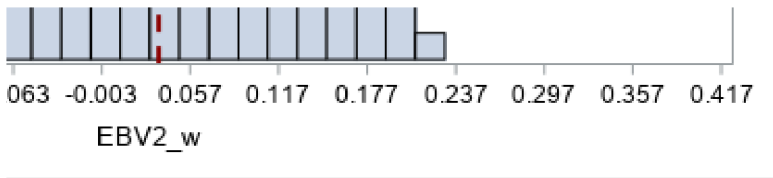


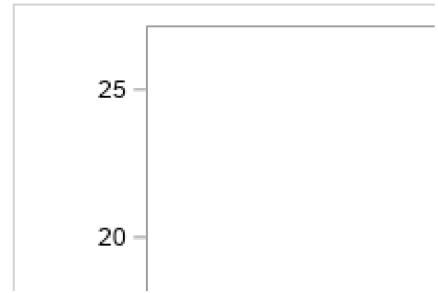
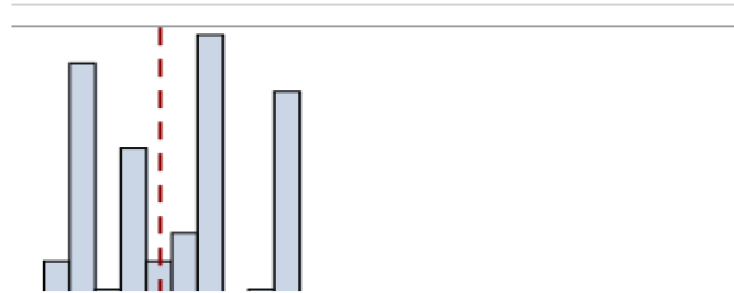
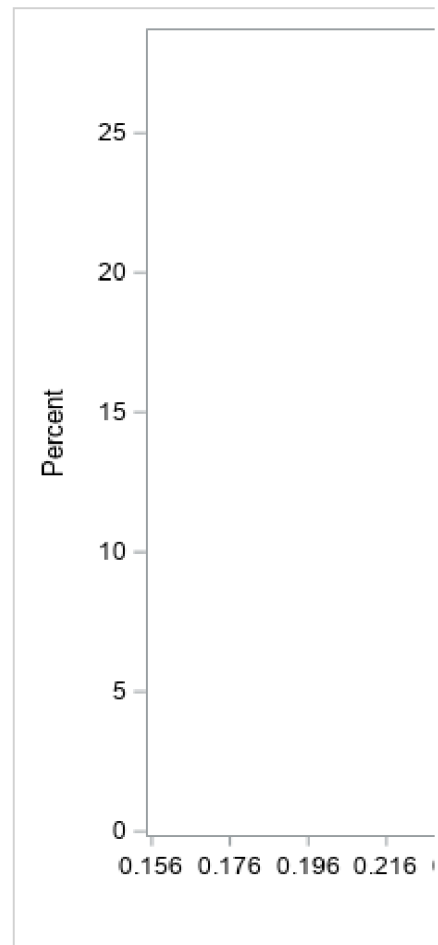
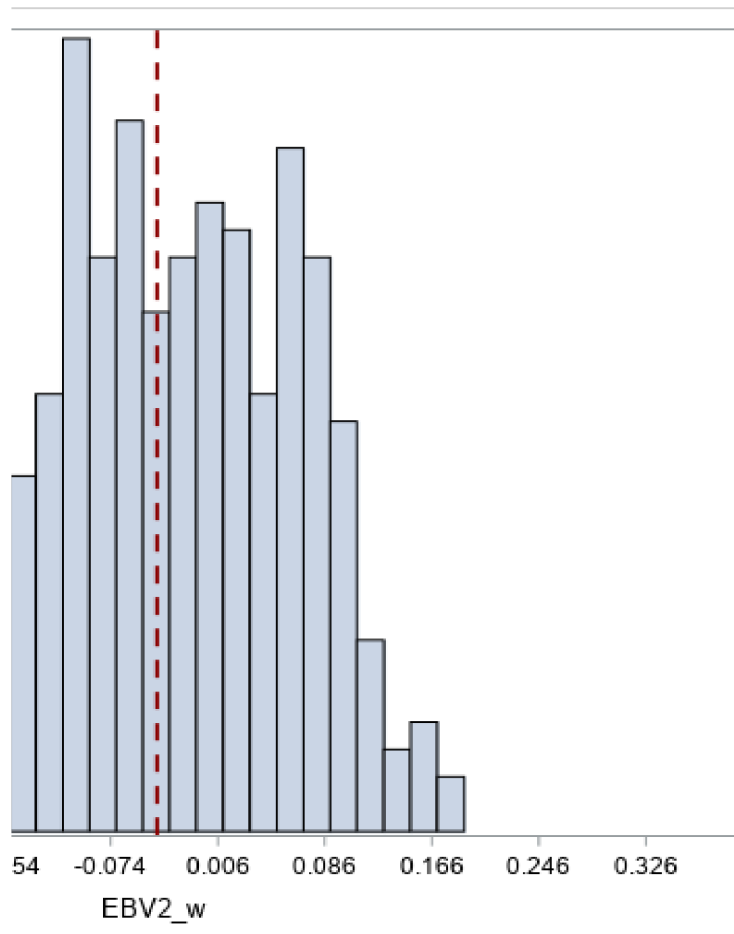
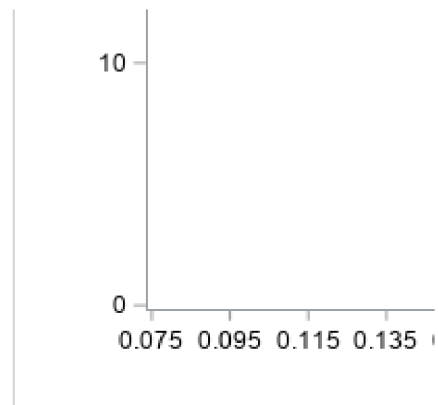
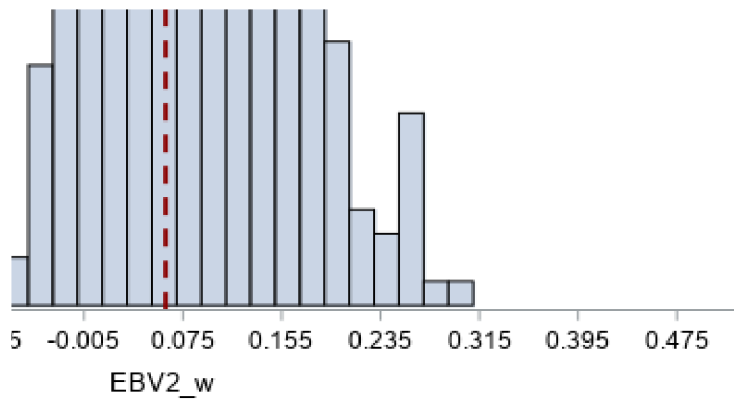


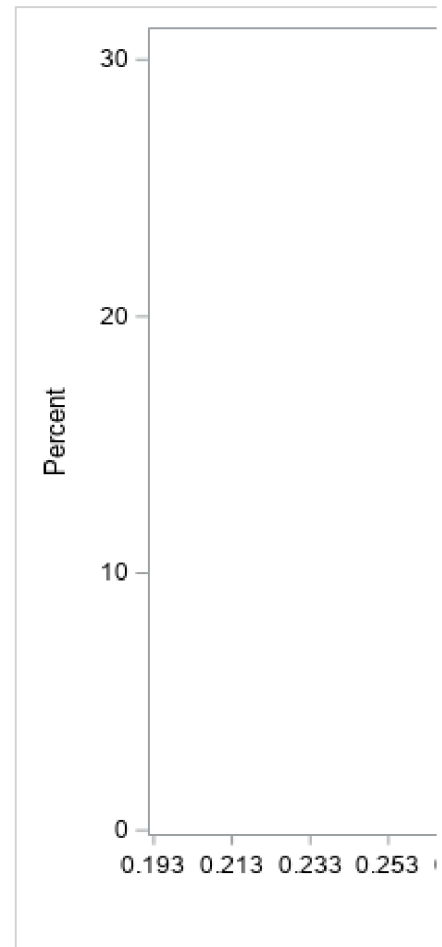
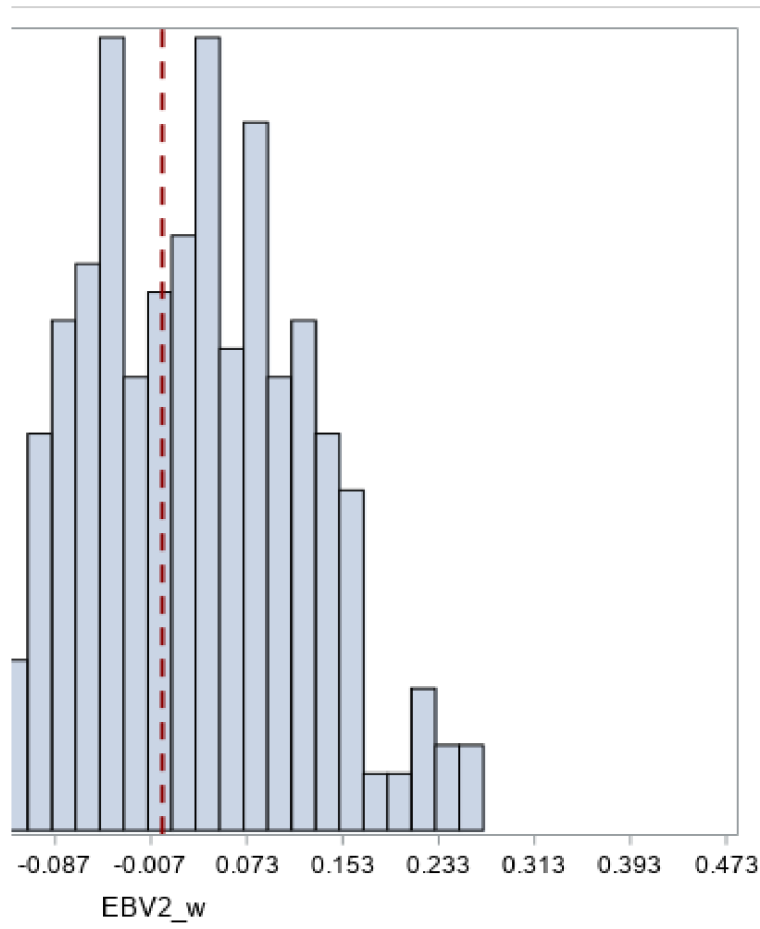
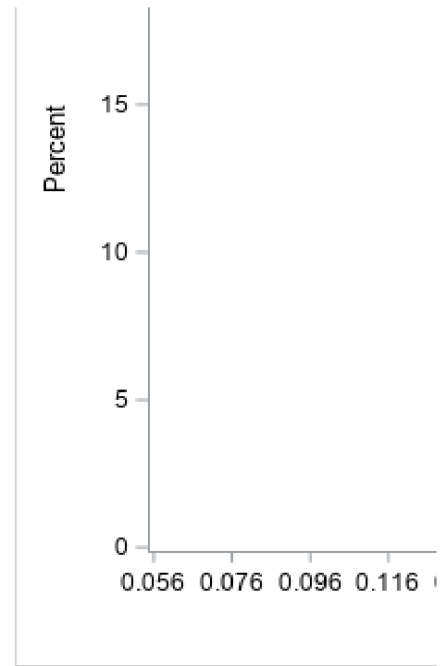
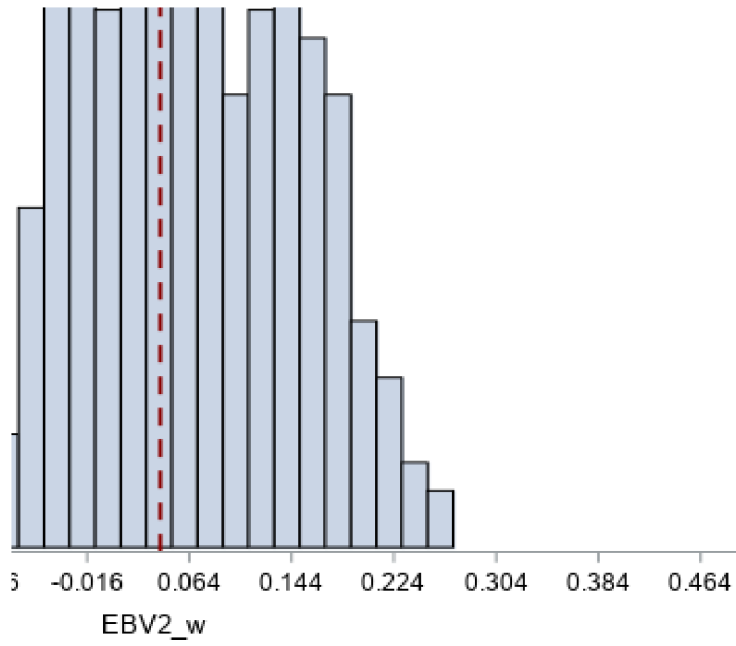


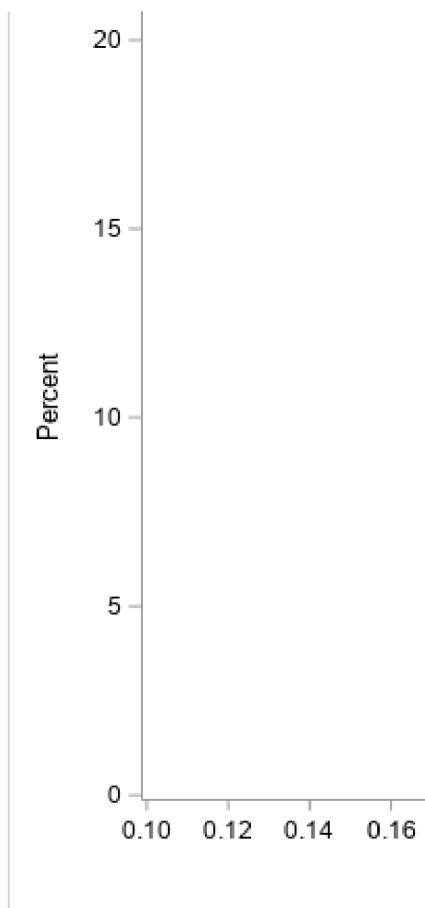
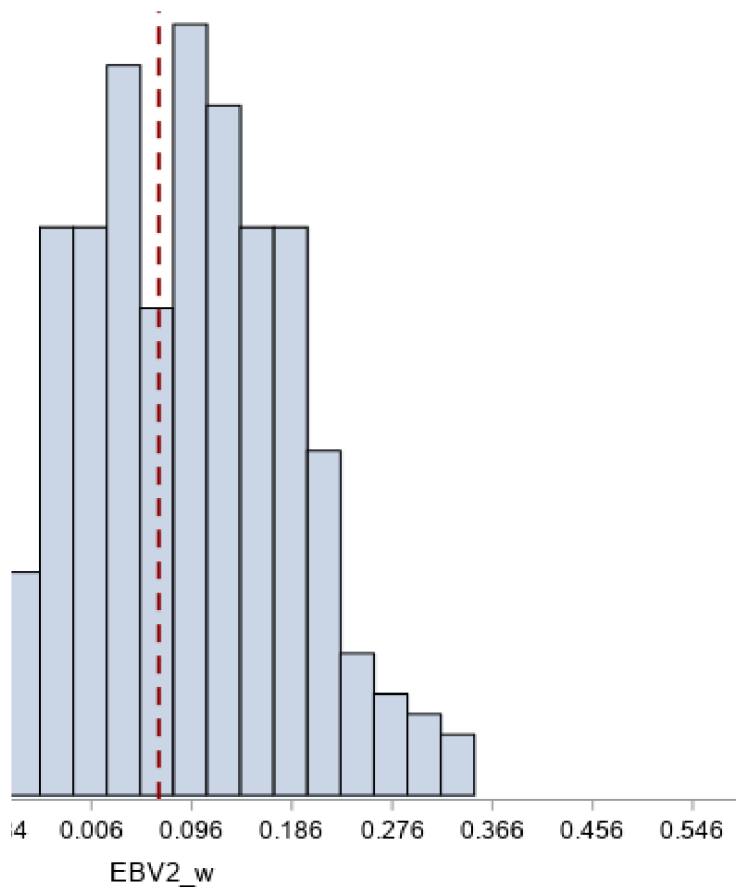


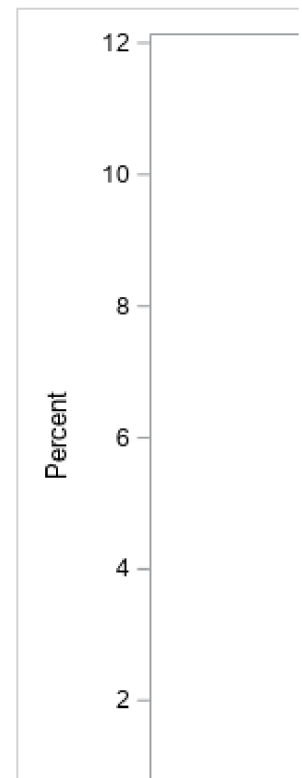
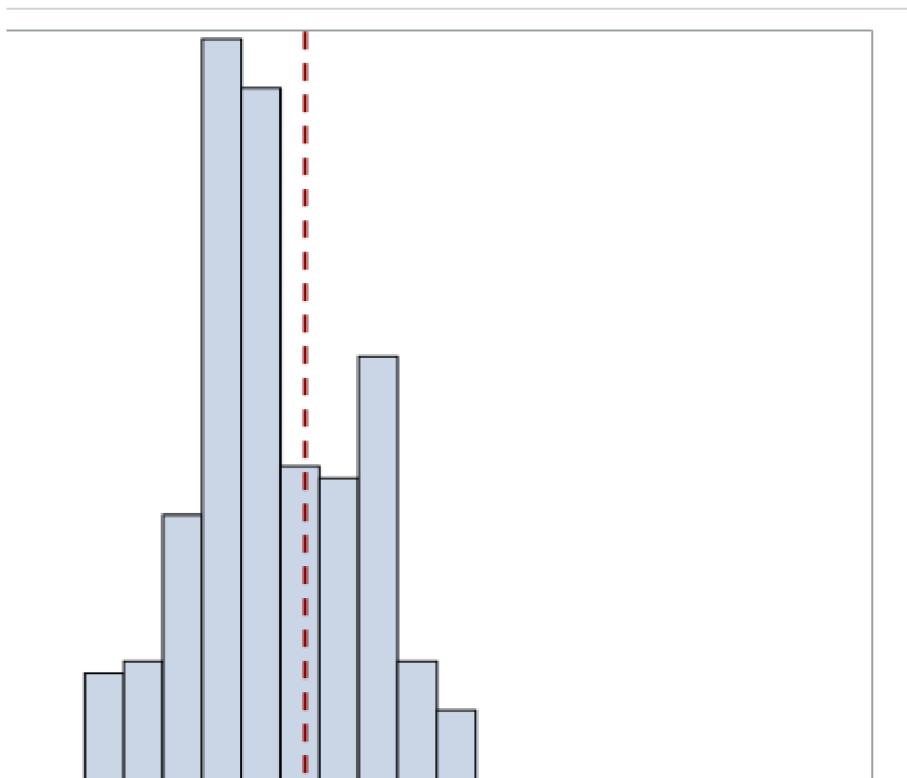
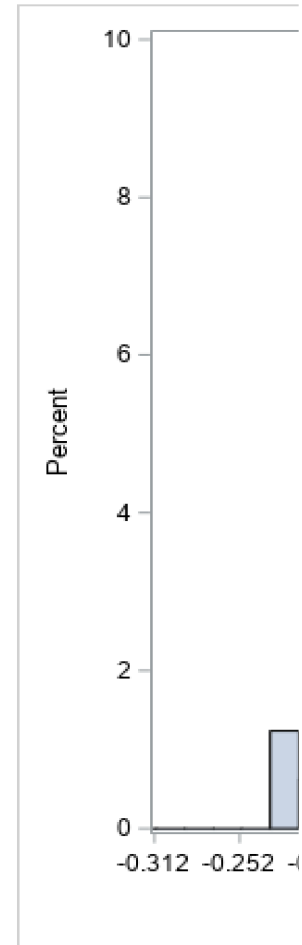
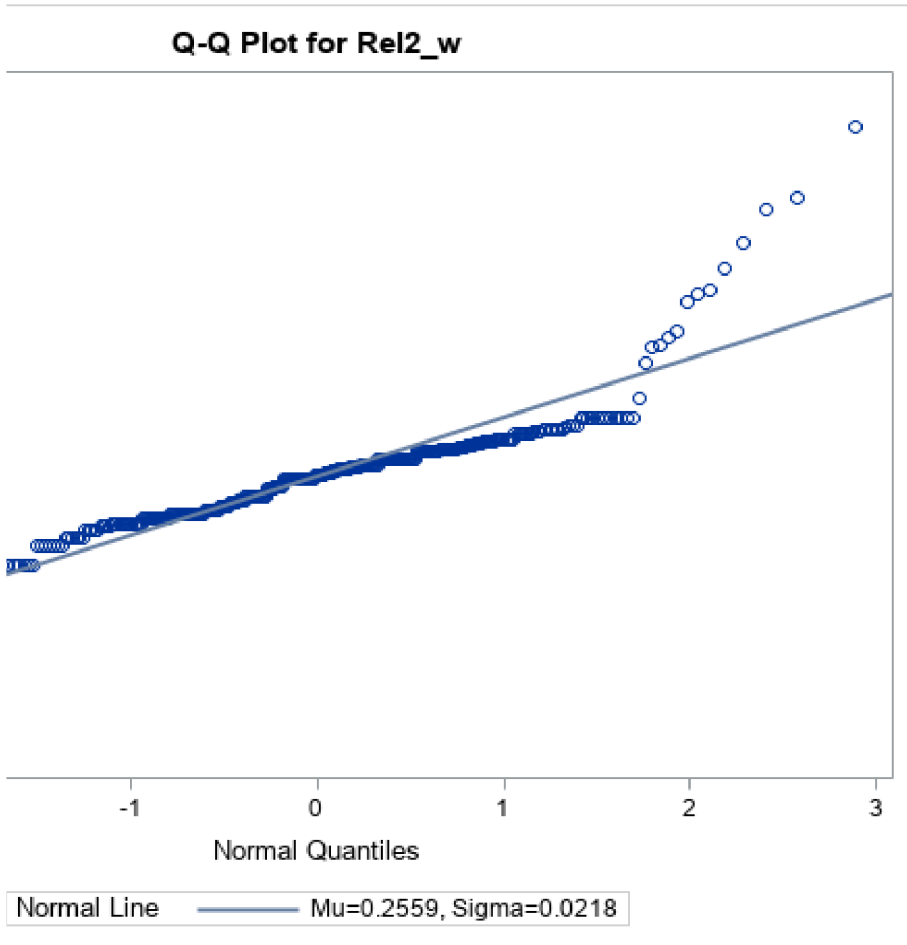


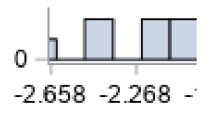
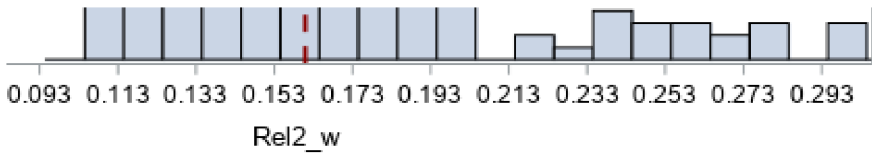




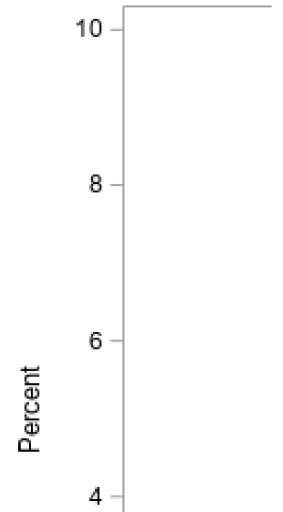
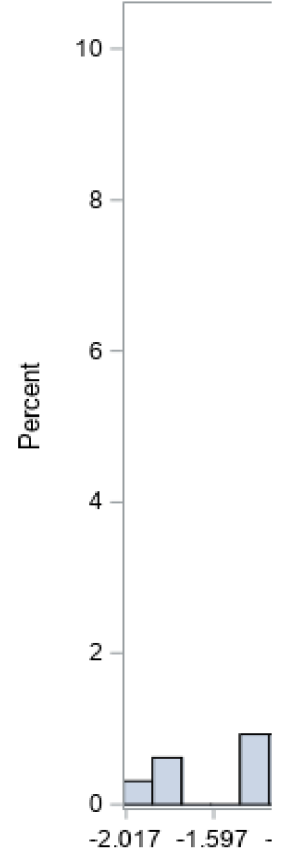
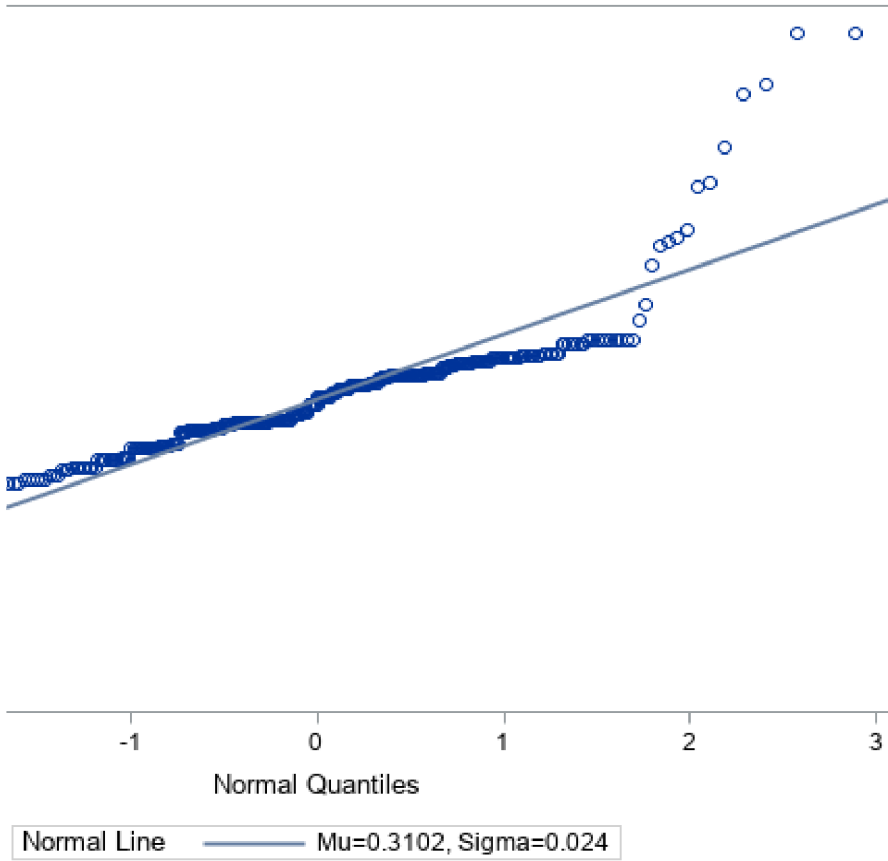


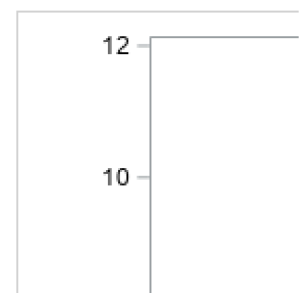
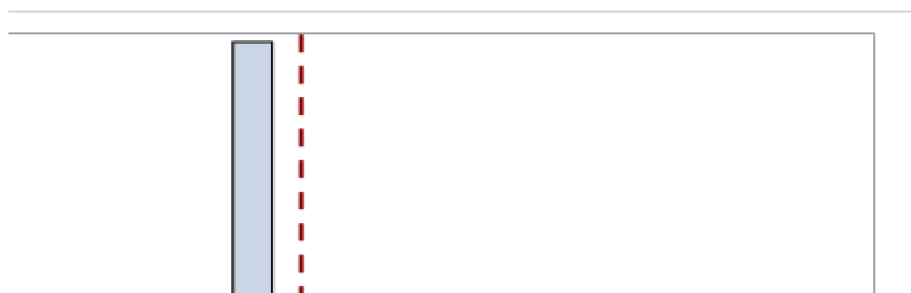
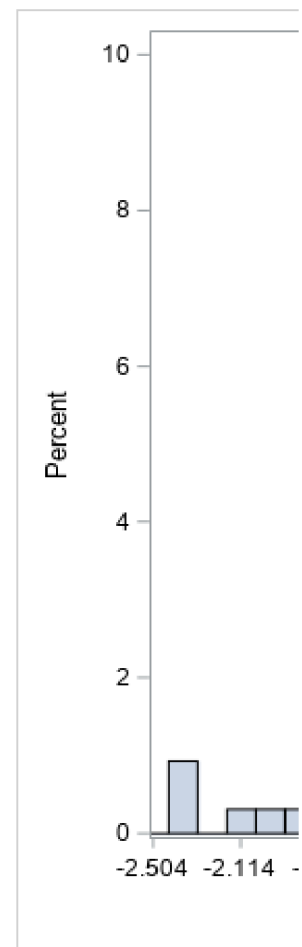
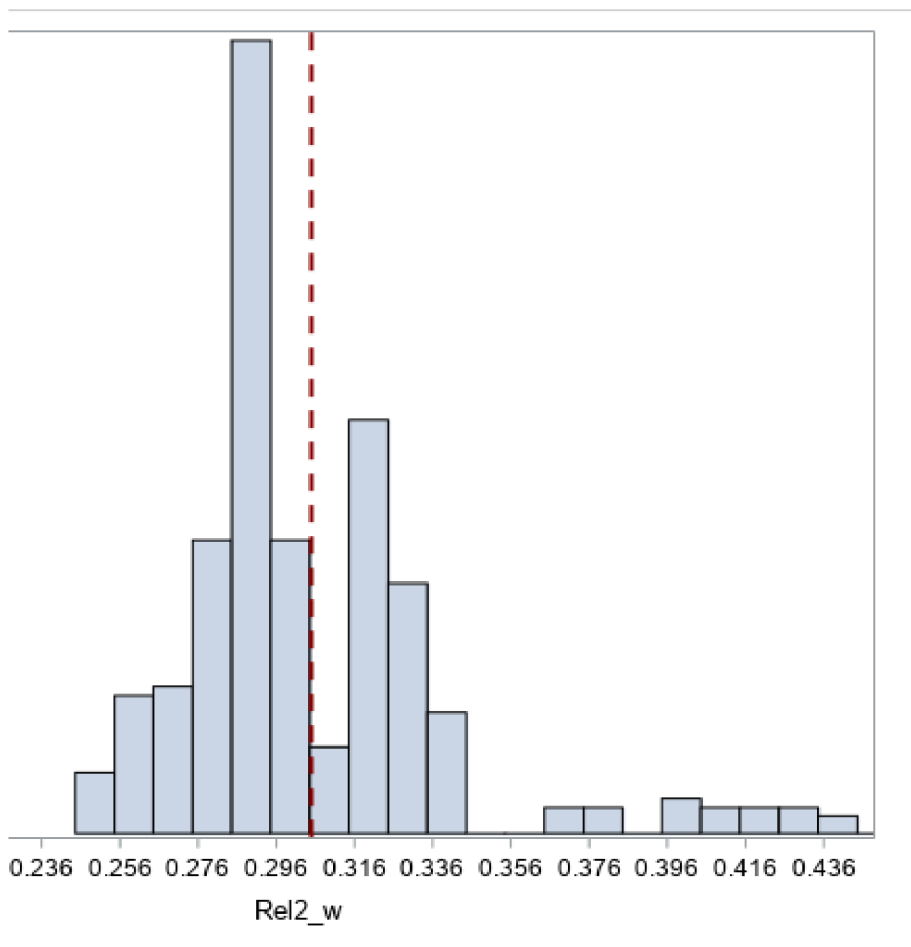
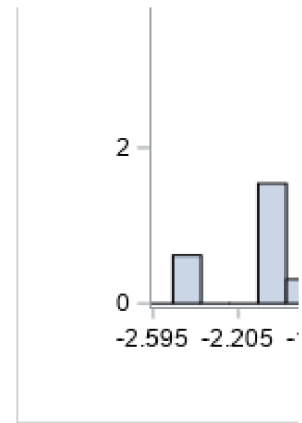
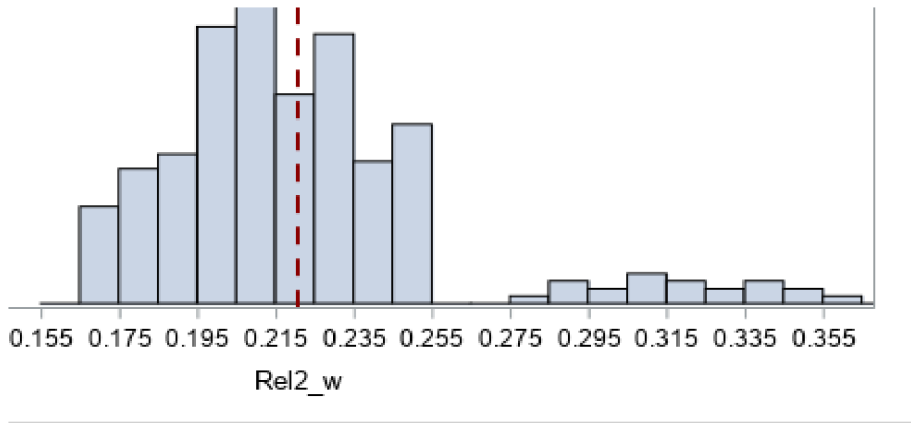


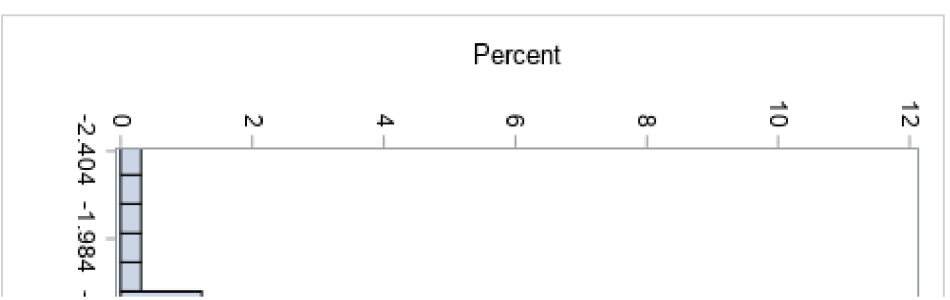
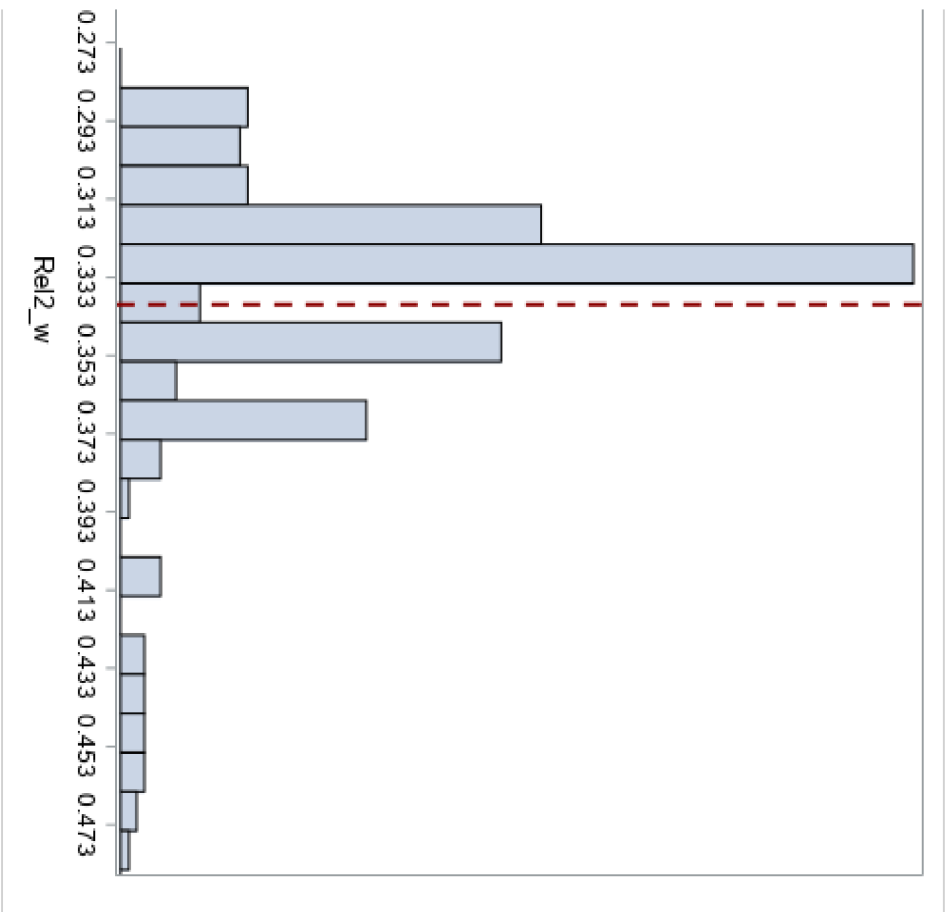
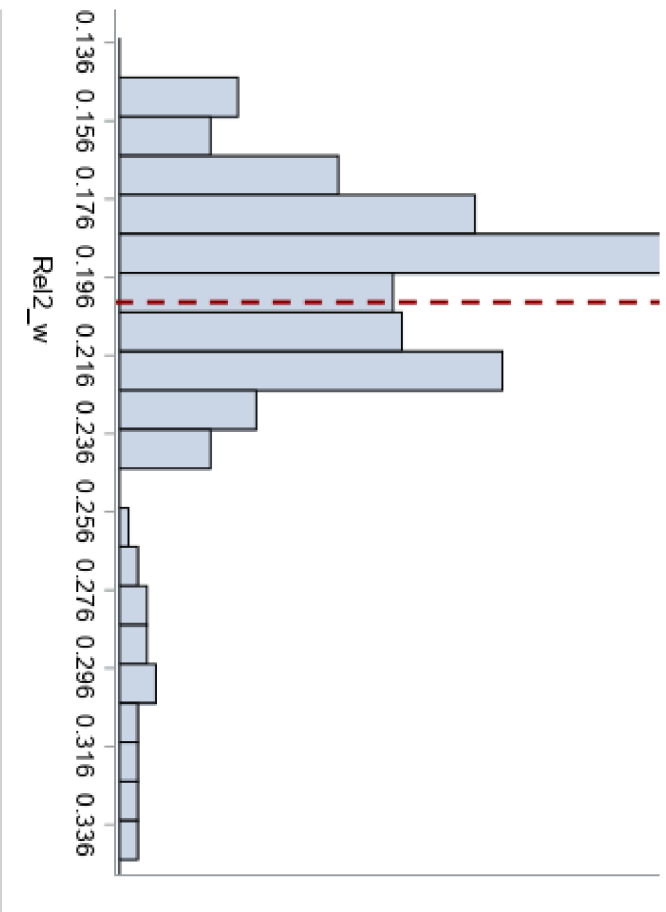


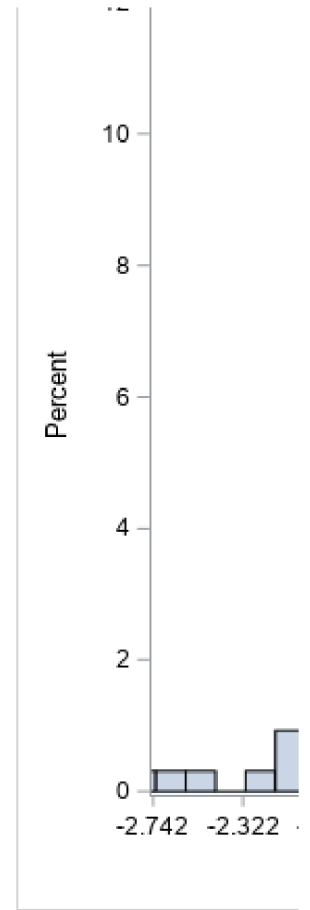
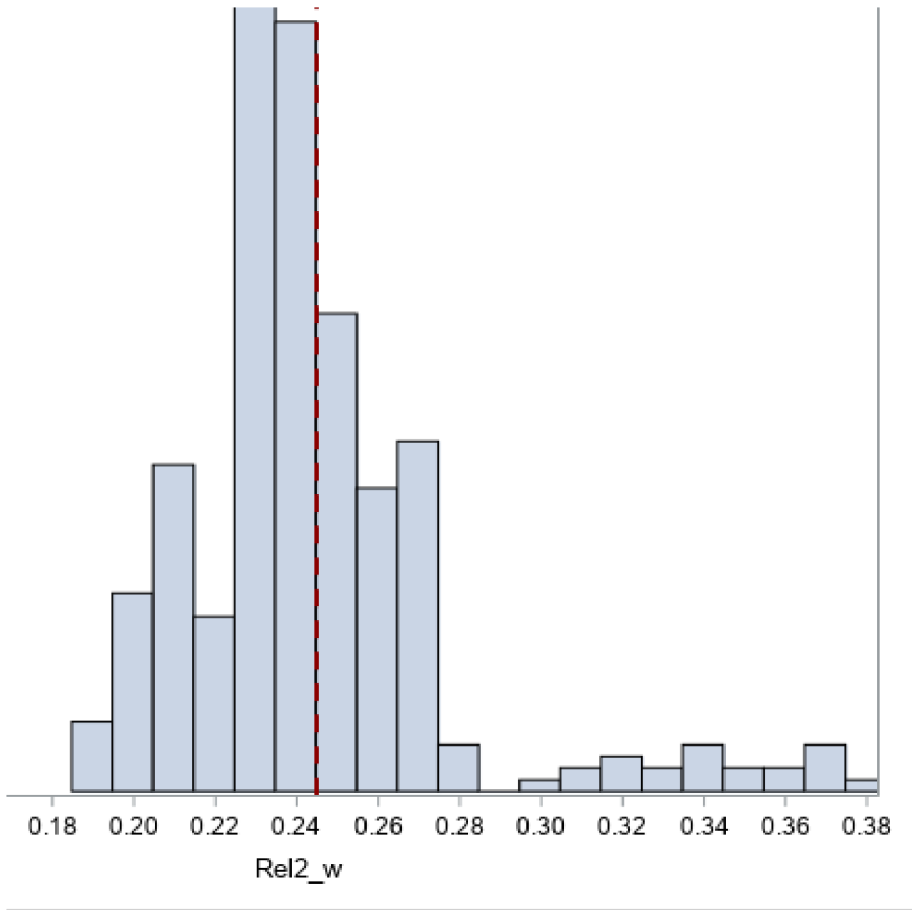


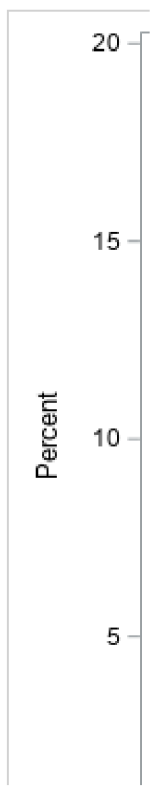
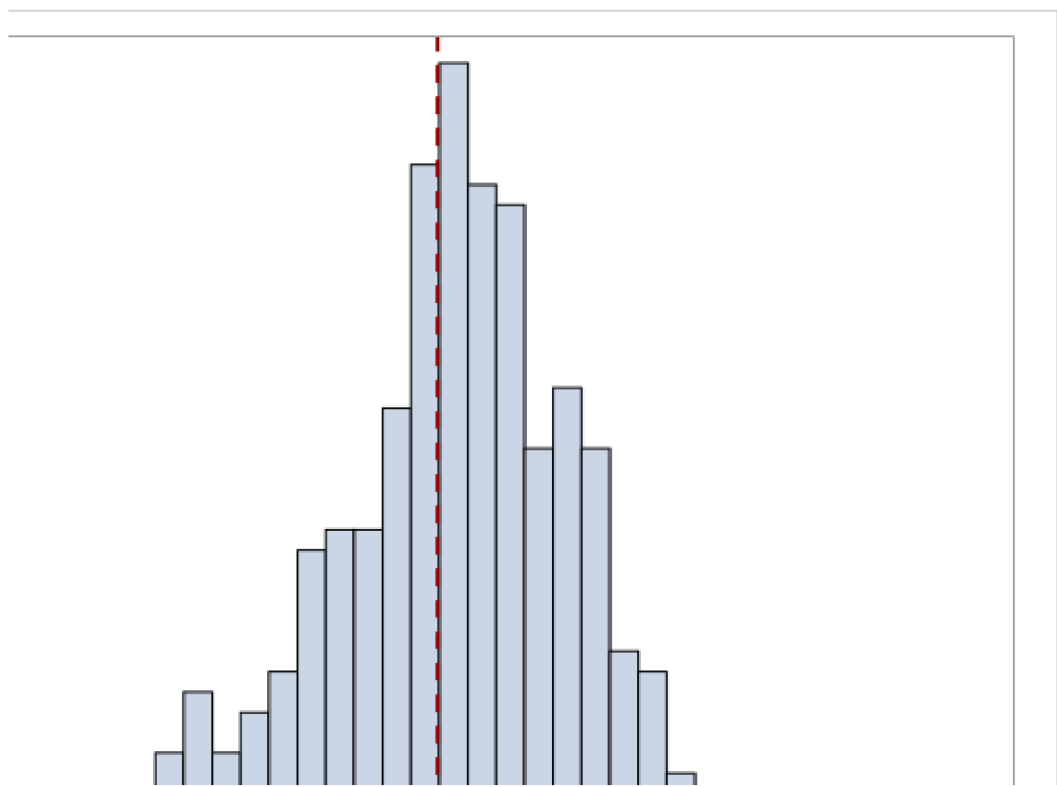
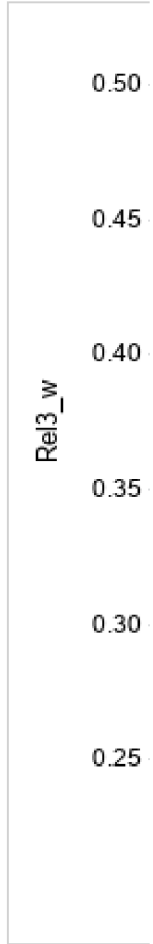
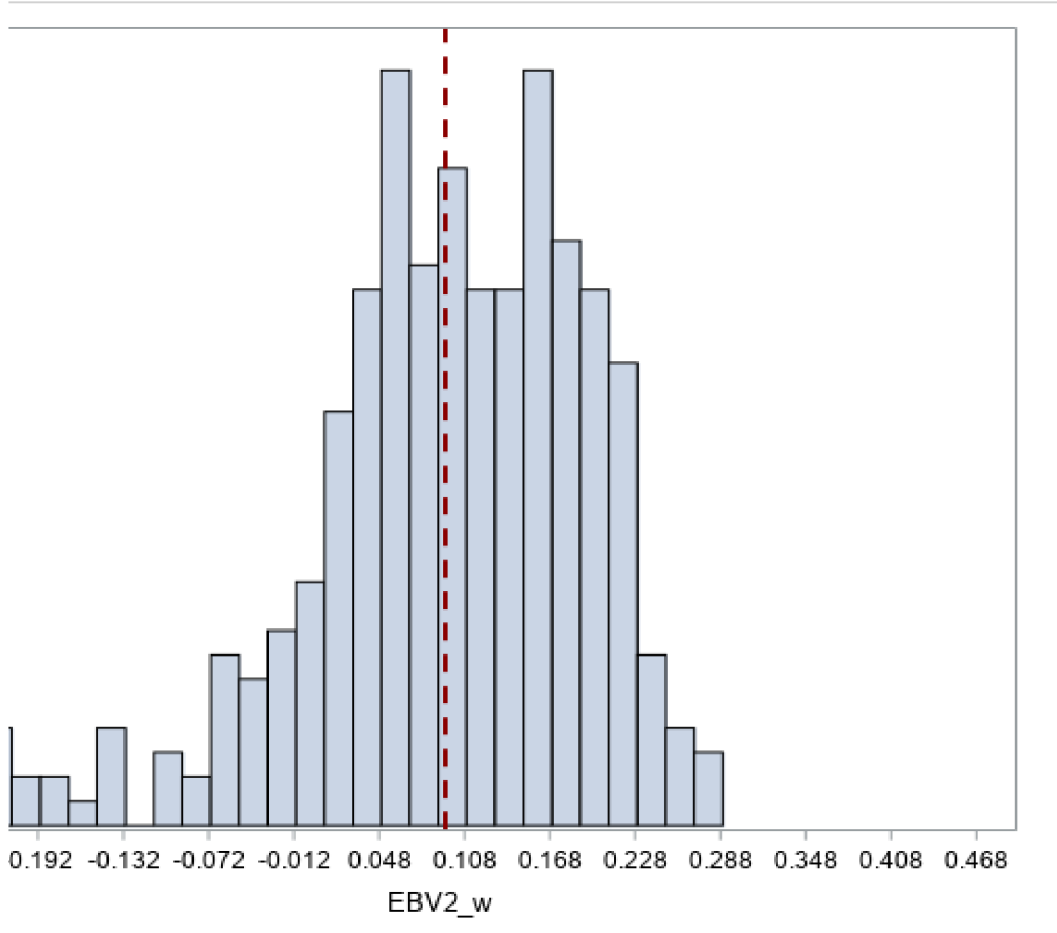
Q-Q Plot for Rel2_w

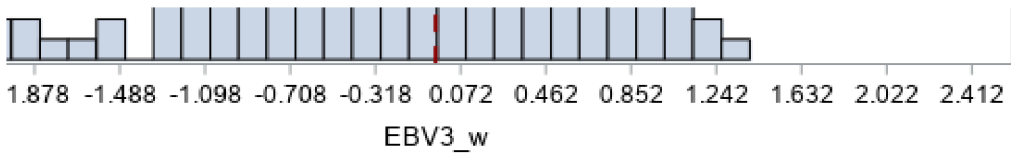




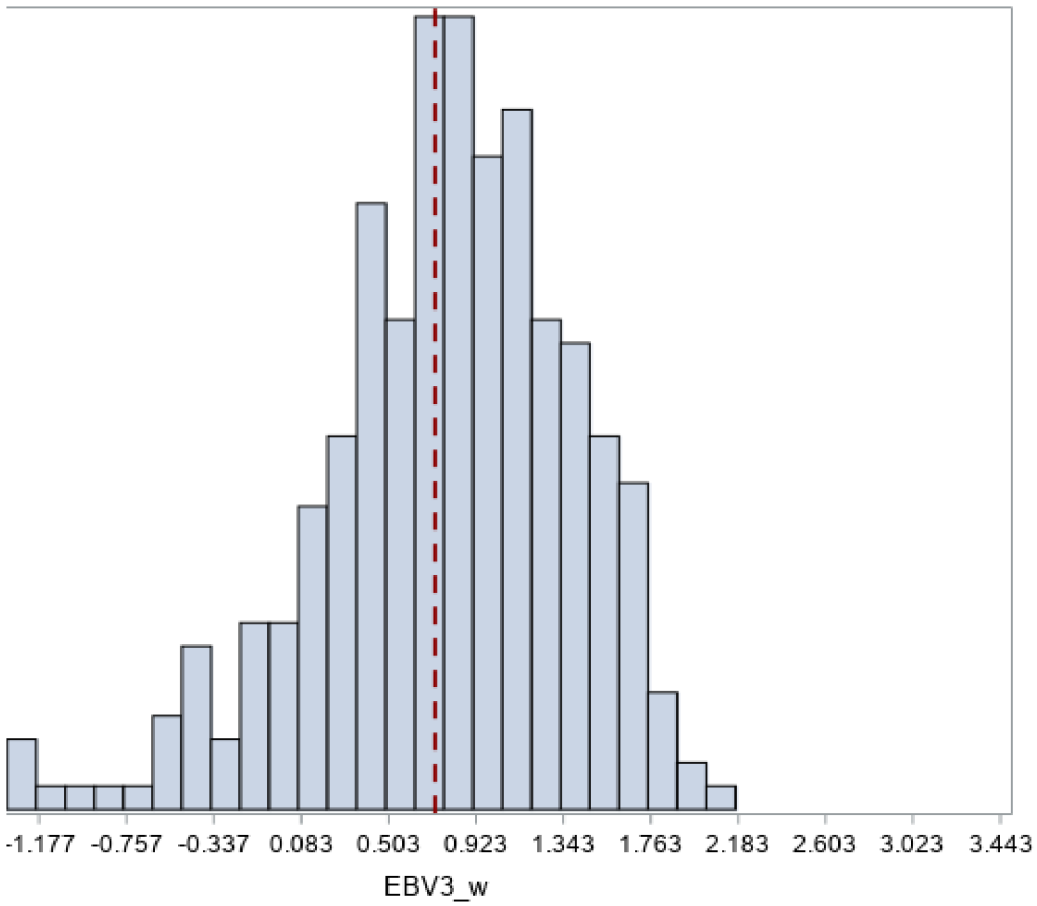




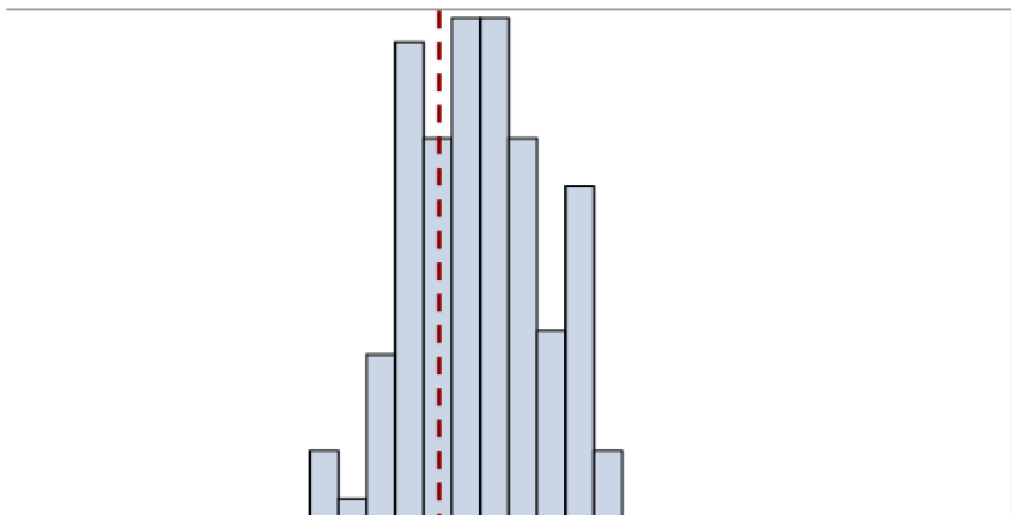




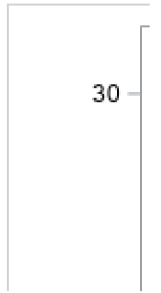
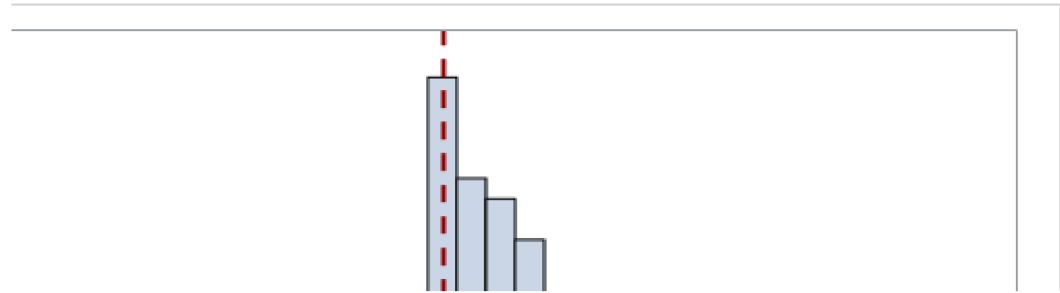
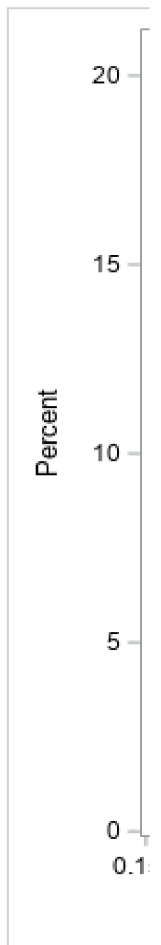
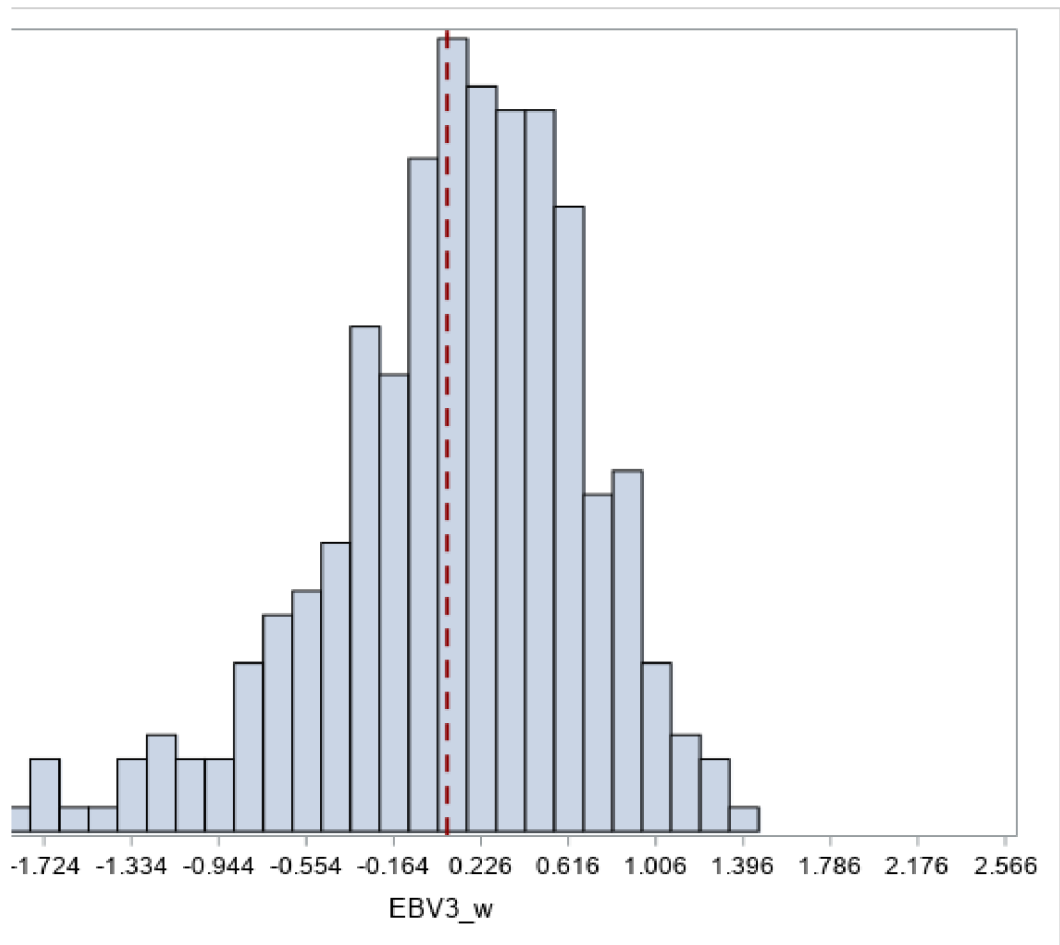
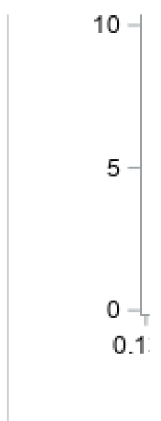
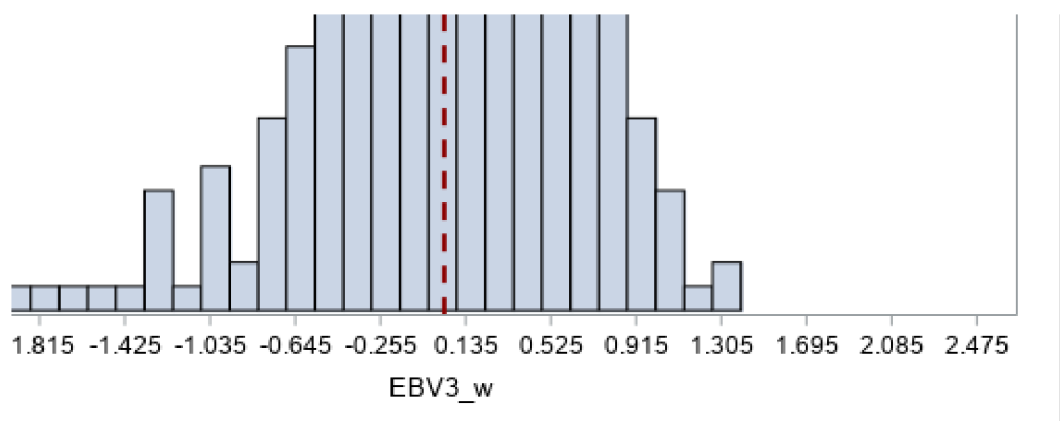
0
0.1

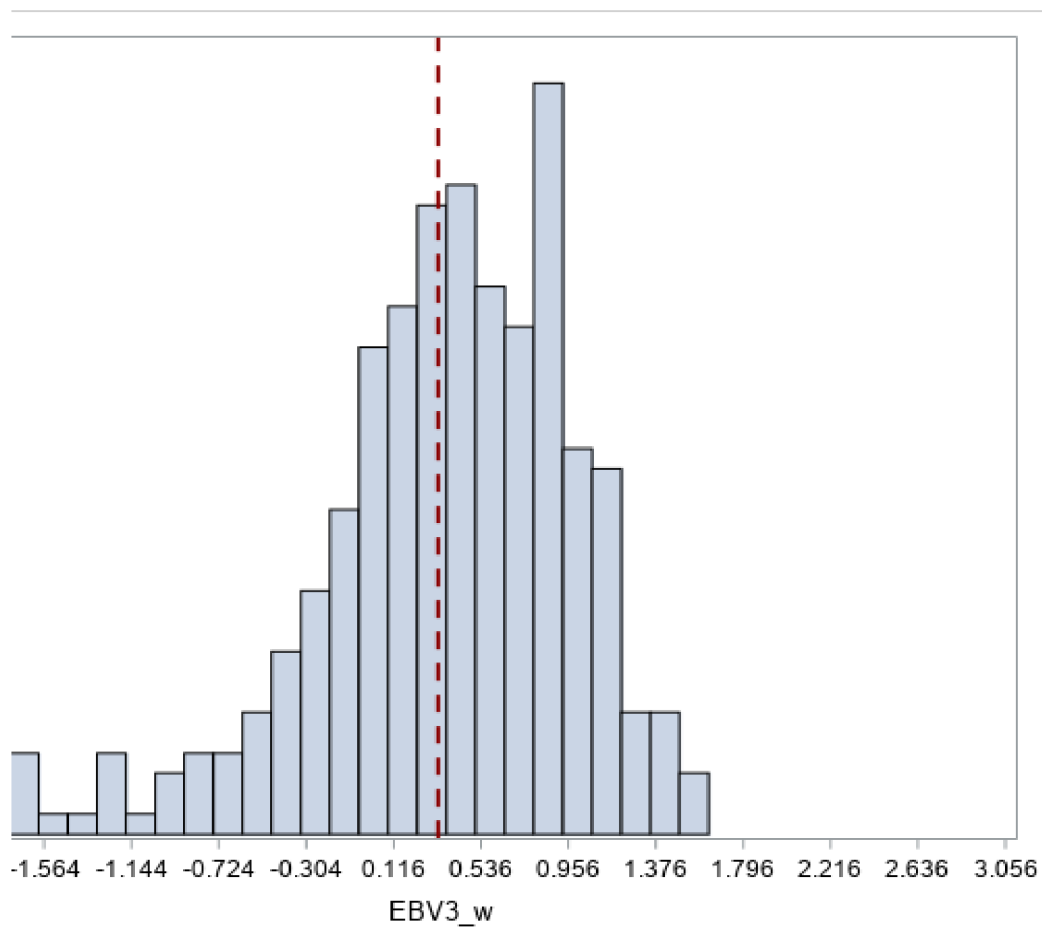
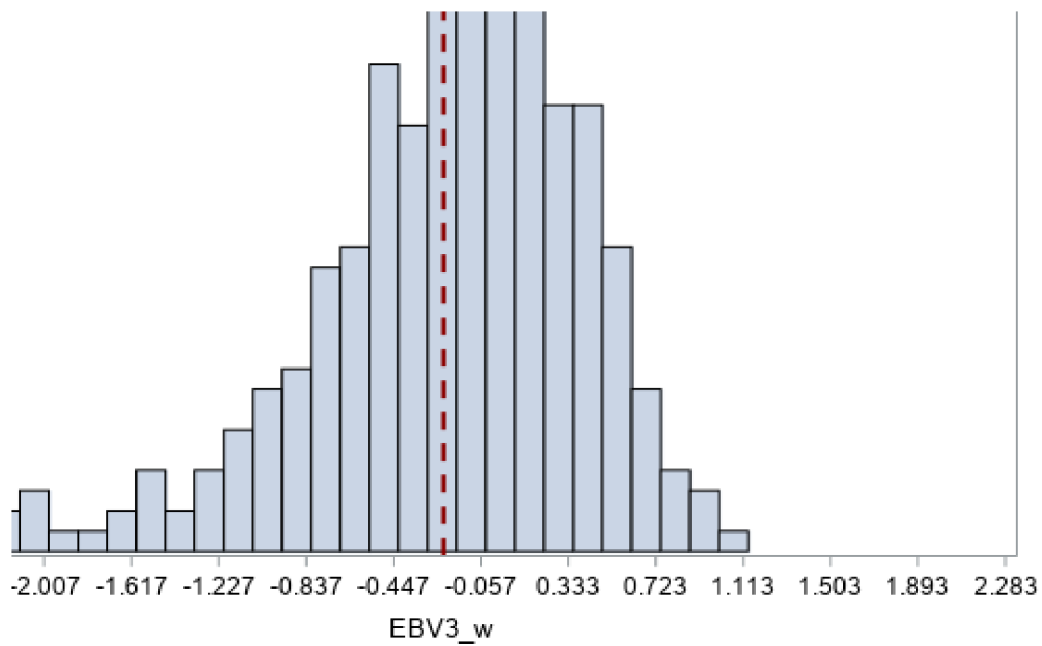


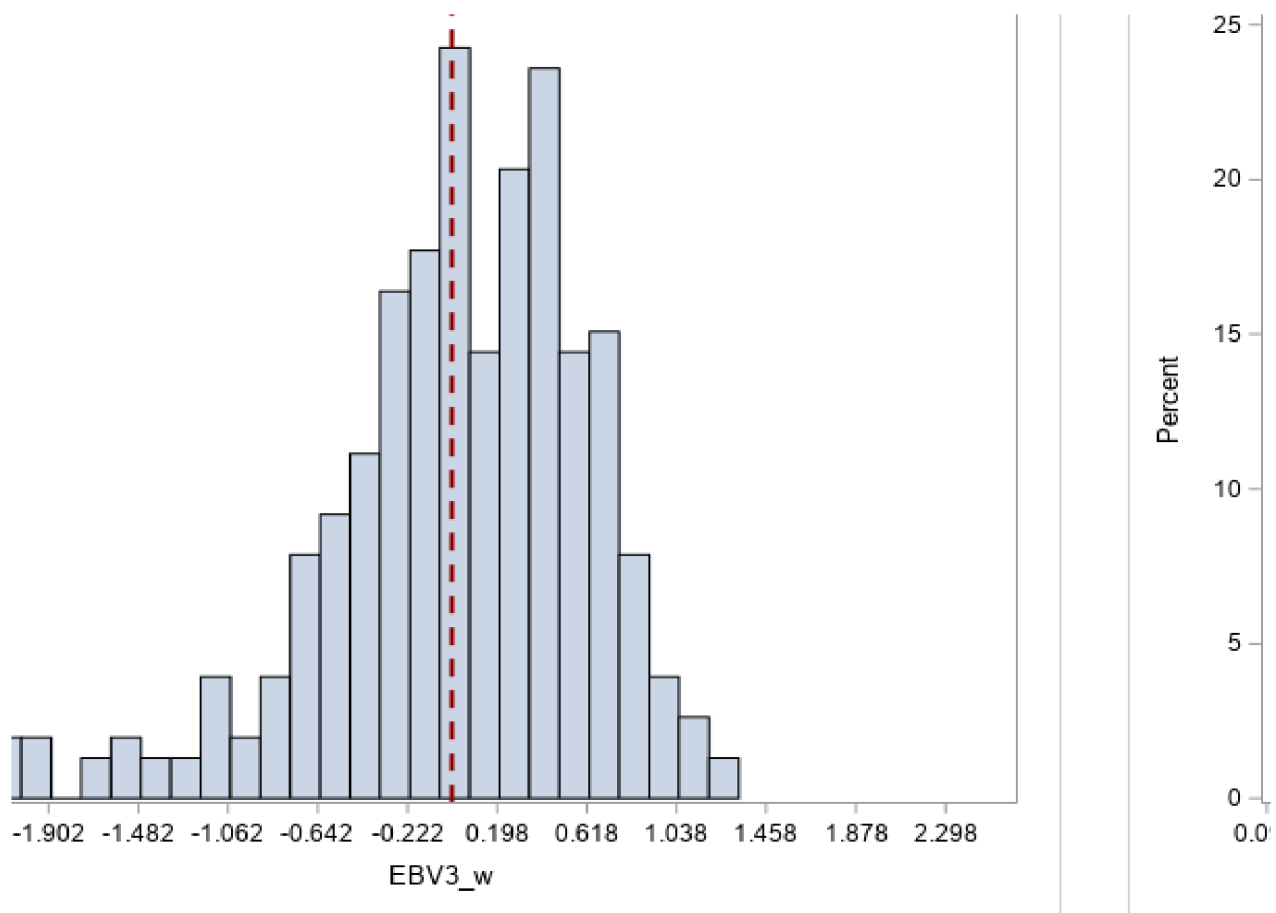
Rel3_w
0.25
0.30
0.35
0.40
0.45
0.50
0.55



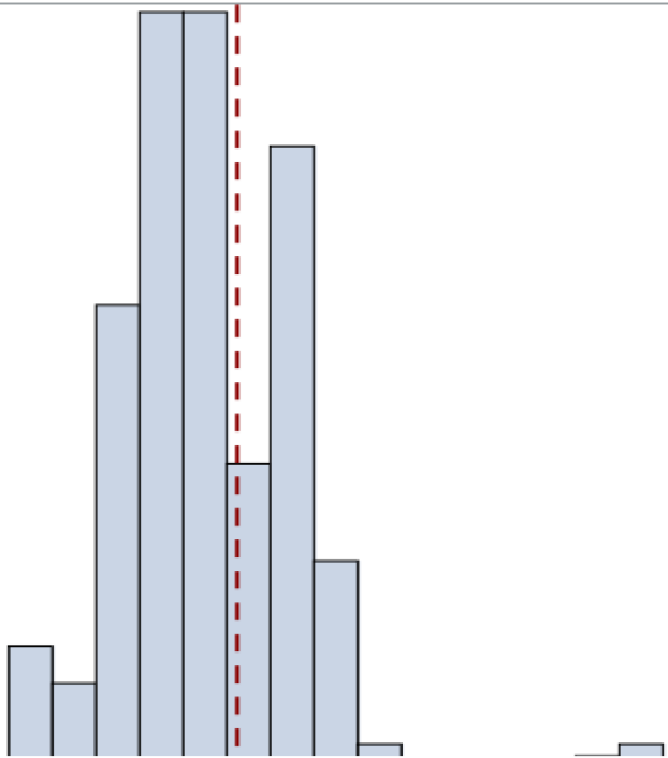
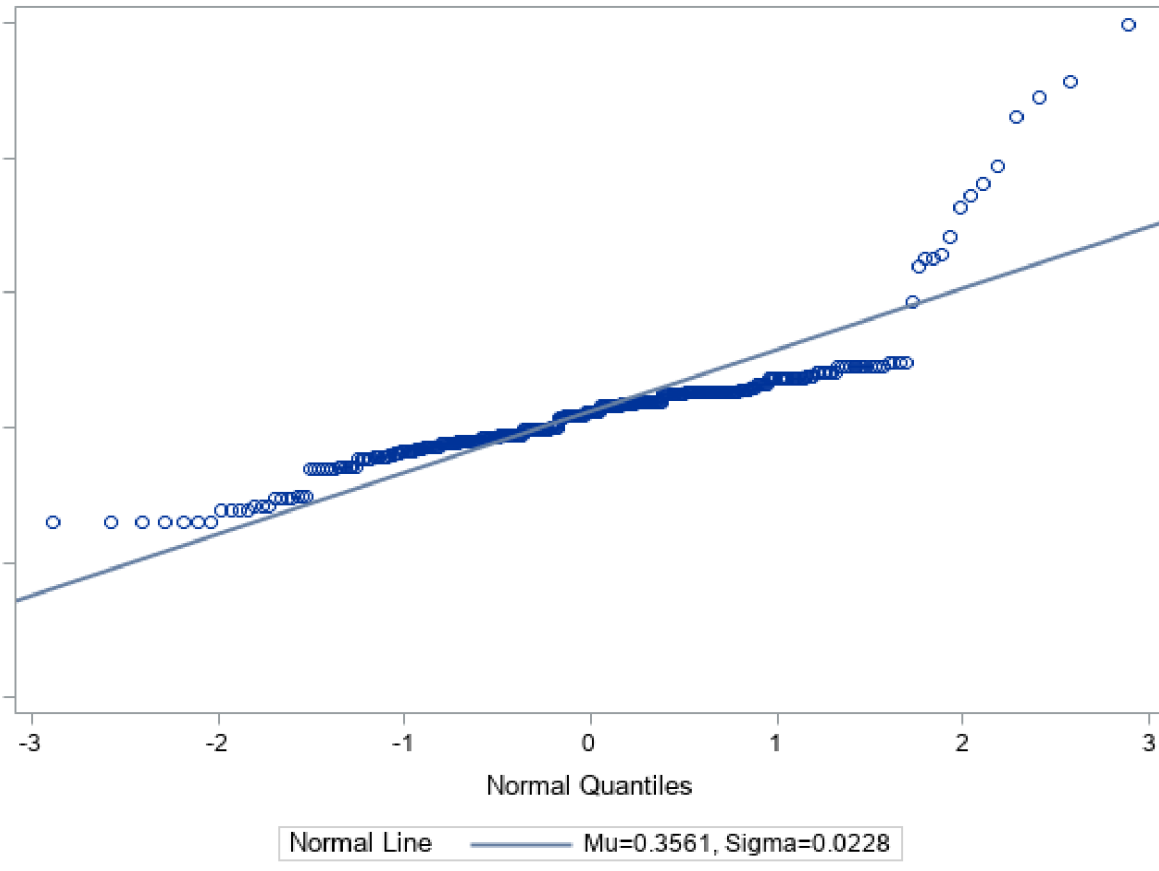
Percent
15
20
25

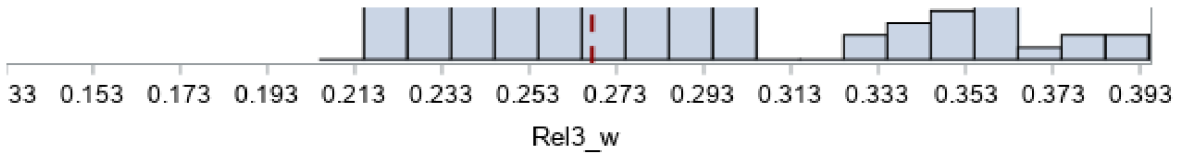






Q-Q Plot for Rel3_w





Q-Q Plot for Rel3_w

