8   Appendix

Table A: Data collected and used in the analysis

Year	GDP	Agriculture	Exports	Services	Industry
1990	4150135201	938555801.6	661898367.9	1618264496	934831552.2
1991	4325511591	1014505874	776366871.1	1640372483	977244408.2
1992	4453447715	1021292268	939233952.7	1686965260	1065708495
1993	4713358588	1124717831	1065997175	1773088138	1046593466
1994	4808587306	1161639365	1092108459	1776271969	1097184883
1995	5099275960	1228629429	1072912943	1899606475	1140207560
1996	5319783136	1297476561	1043059020	1942613689	1227961119
1997	5624856122	1376402148	1141762984	2062475112	1271043405
1998	5847657355	1448621233	1268333356	2149400920	1268658327
1999	6160007012	1535289017	1443215985	2276140125	1290856497
2000	6520842618	1605452360	1290689007	2560991025	1409725625
2001	6868608004	1745781825	1352490179	2751739661	1598029773
2002	7187519594	1798807243	1488059352	2821434610	1627733700
2003	7435027350	1830717877	1514812367	2982576799	1646892725
2004	7764375608	1961030262	1435904510	3077175958	1664604800
2005	7897392139	1989007228	1579965377	3226712043	1774388377
2006	8208844660	2129584403	1575302774	3403581305	1828483015
2007	8700254776	2258031979	2004334916	3685679040	1796115372
2008	9126269458	2305350599	2206625512	4161228503	1636210529
2009	9337934308	2484761109	2099280184	4147015545	1661277063
2010	9535344283	2464041236	2199999216	4247751748	1717225219
2011	9817948328	2487496319	1986364091	4617788618	1720235932
2012	10290311747	2622926585	2464992367	4876821621	1783268333
2013	11030332696	2783174913	3025339819	5303820255	1893823514
2014	11731605852	3012989534	3779940964	5568395482	1967521742
2015	11940211526	3013674821	3020327543	5567013335	2238781514
2016	12338975598	3283886767	3427506360	5670097094	2258742622
2017	13038787443	3532283660	3667431805	5979805019	2269337290
2018	13912028869	3791167164	3850803396	6320672535	2379195373
2019	14867185273	3986775451	4182533083	6650423559	2701776067

Source: World Bank national accounts data, and OECD National Accounts data files, 2020

Table B: Correlation coefficient for GDP and Agriculture, forestry, and fishing value added

```
corr(GDP, Agriculture) = 0.99835345
Under the null hypothesis of no correlation:
 t(28) = 92.0958, with two-tailed p-value 0.0000
```

Source: Author's own computation form Gretl, 2021

Table C: ADF Test for level of variable GDP

```
Augmented Dickey-Fuller tests, order 1, for GDP
sample size 28
unit-root null hypothesis: a = 1

  test with constant
  model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
  1st-order autocorrelation coeff. for e: 0.155
  estimated value of (a - 1): 0.0390882
  test statistic: tau_c(1) = 2.65803
  asymptotic p-value 1
```

Source: Author's own computation form Gretl, 2021

Table D: ADF Test for level of variable Agriculture

```
Augmented Dickey-Fuller tests, order 1, for Agriculture
sample size 28
unit-root null hypothesis: a = 1

  test with constant
  model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
  1st-order autocorrelation coeff. for e: 0.007
  estimated value of (a - 1): 0.0750627
  test statistic: tau_c(1) = 3.5863
  asymptotic p-value 1
```

Source: Author's own computation form Gretl, 2021

Table E: ADF Test for level of variable Exports

```
Augmented Dickey-Fuller tests, order 1, for Exports
sample size 28
unit-root null hypothesis: a = 1

  test with constant
  model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
  1st-order autocorrelation coeff. for e: -0.051
  estimated value of (a - 1): 0.0523229
  test statistic: tau_c(1) = 0.852238
  asymptotic p-value 0.9949
```

Source: Author's own computation form Gretl, 2021

Table F: ADF Test for level of variable Services

```
Augmented Dickey-Fuller tests, order 1, for Services
sample size 28
unit-root null hypothesis: a = 1

   test with constant
   model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
   1st-order autocorrelation coeff. for e: 0.020
   estimated value of (a - 1): 0.0370749
   test statistic: tau_c(1) = 2.01143
   asymptotic p-value 0.9999
```

Source: Author's own computation form Gretl, 2021

Table G: ADF Test for level of variable Industry

```
Augmented Dickey-Fuller tests, order 1, for Industry
sample size 28
unit-root null hypothesis: a = 1

   test with constant
   model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
   1st-order autocorrelation coeff. for e: 0.050
   estimated value of (a - 1): 0.0432508
   test statistic: tau_c(1) = 0.95568
   asymptotic p-value 0.9962
```

Source: Author's own computation form Gretl, 2021

Table H: ADF Test For log difference of GDP

```
Augmented Dickey-Fuller tests, order 1, for ld_GDP
sample size 27
unit-root null hypothesis: a = 1

   test with constant
   model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
   1st-order autocorrelation coeff. for e: -0.041
   estimated value of (a - 1): -1.00491
   test statistic: tau_c(1) = -3.57599
   asymptotic p-value 0.006267
```

Source: Author's own computation form Gretl, 2021

Table I: ADF Test for log difference of Agriculture

```
Augmented Dickey-Fuller tests, order 1, for ld_Agricultur
sample size 27
unit-root null hypothesis: a = 1

   test with constant
   model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
   1st-order autocorrelation coeff. for e: 0.065
   estimated value of (a - 1): -1.30462
   test statistic: tau_c(1) = -3.99196
   asymptotic p-value 0.001458
```

Source: Author's own computation form Gretl, 2021

Table J: ADF Test for log difference of Exports

```
Augmented Dickey-Fuller tests, order 1, for ld_Exports
sample size 27
unit-root null hypothesis: a = 1

   test with constant
   model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
   1st-order autocorrelation coeff. for e: -0.124
   estimated value of (a - 1): -1.31144
   test statistic: tau_c(1) = -4.58033
   asymptotic p-value 0.000136
```

Source: Author's own computation form Gretl, 2021

Table K: ADF Test for log difference of Services

```
Augmented Dickey-Fuller tests, order 1, for ld_Services
sample size 27
unit-root null hypothesis: a = 1

   test with constant
   model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
   1st-order autocorrelation coeff. for e: -0.013
   estimated value of (a - 1): -1.15933
   test statistic: tau_c(1) = -4.25984
   asymptotic p-value 0.0005163
```

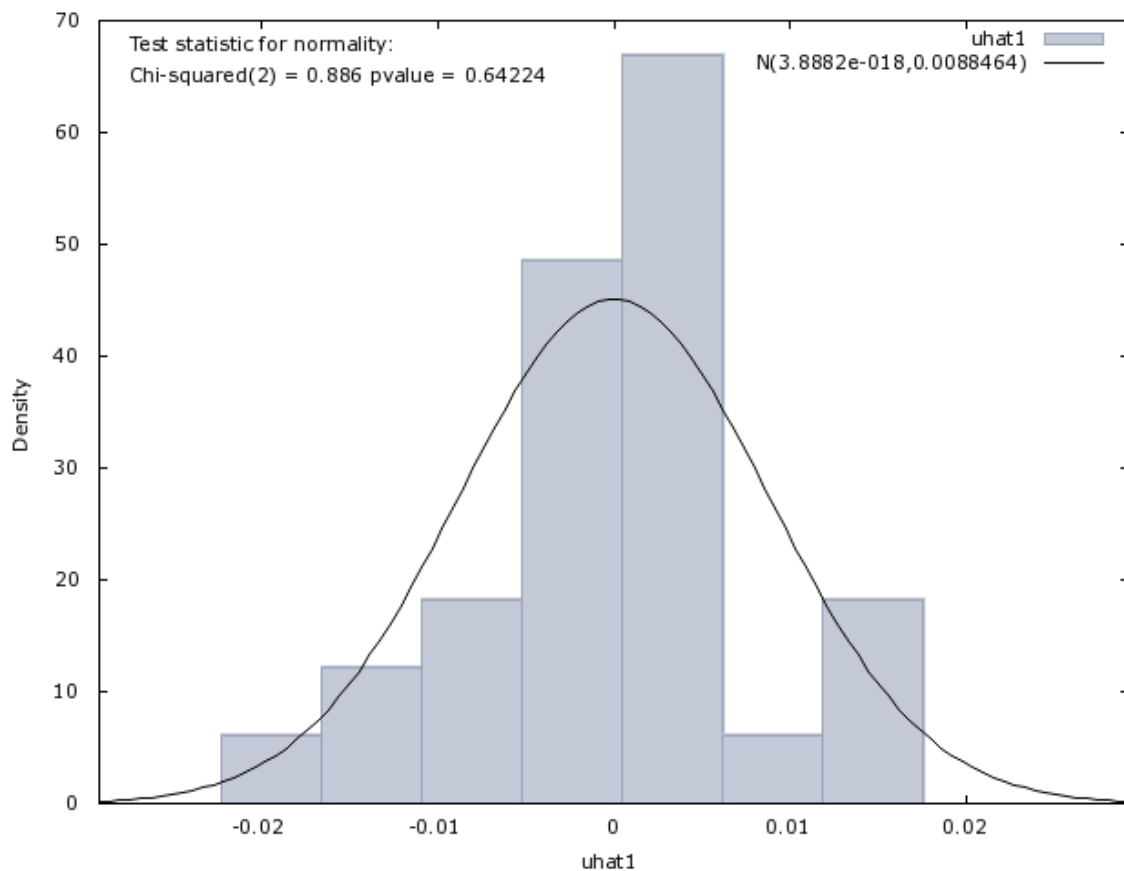Source: Author's own computation form Gretl, 2021

Figure L: ADF Test for log difference of Industry

```
Augmented Dickey-Fuller tests, order 1, for ld_Industry
sample size 27
unit-root null hypothesis: a = 1

   test with constant
   model: (1 - L)y = b0 + (a-1)*y(-1) + ... + e
   1st-order autocorrelation coeff. for e: 0.035
   estimated value of (a - 1): -1.03519
   test statistic: tau_c(1) = -3.80049
   asymptotic p-value 0.002917
```

Source: Author's own computation form Gretl , 2021

Graph 1: Normality test additional result

Source: Author's own computation form Gretl, 2021