

1 Appendix

Appendix 1. Commodity structure of foreign trade in goods 2001, 2020 in Ukraine

2001	Експорт/Exports	Імпорт/Imports	2020	Експорт/Exports	Імпорт/Imports
	тис. дол. США/thsd. USD	тис. дол. США/thsd. USD		тис. дол. США/thsd. USD	тис. дол. США/thsd. USD
I. Live animals and livestock products	454462,2	182523,8	I. Live animals and livestock products	1188164,7	1258069,2
II. Products of plant origin	693262,5	266116,5	II. Plant products	11883238,0	1989254,2
III. 15 Fats and oils of animal and vegetable origin	225474,6	86494,66	III.15 Animal or plant fats and oils	5746921,7	280378,5
IV. Products of the food industry	450611,2	590418,7	IV. Finished food industry products	3361028,2	2970635,4
V. Mineral products	1749771	6725303	V. Mineral products	5331642,8	8633264,9
VI. Production of chemical and related branches of industry	1478437	1126828	VI. Products of chemical and allied industries	2020105,1	7333672,6
VII. Plastics and rubber	256150,4	697213,2	VII. Polymeric materials, plastics and articles of them	682674,9	3403842,7
VIII. Leather and fur raw materials and products from them	129938,7	66283,23	VIII. Raw leather and curry leather	134656,7	242977,1
IX. Wood and wood products	229946,9	73179,63	IX. Wood and articles of wood	1411557,3	315573,4
X. Paper pulp of wood or other fibrous fibers	286824,2	538066,4	X. Paper bulk from wood or other vegetable fibers	403041,5	1099053,3

XI. Textiles and textile products	614223,9	646856	XI. Textiles materials and articles of textiles	778247,7	2291123,0
XII. Shoes, hats, umbrellas	84615,26	43786,2	XII. Footwear, hats umbrellas	165474,4	435971,0
XIII. Stone, plaster, cement, glass, asbestos products	141252,9	184679,2	XIII. Products from stone, gyps, cement	443248,6	741514,7
XV. Base metals and products from them	6720320	821049,7	XIV. 71 Natural or cultured pearls, precious stones, metals and preparations thereof	114389,0	162584,7
XVI. Machines, equipment and mechanisms; electrical equipment; sound recording and reproducing equipment, television equipment	1714241	2377878	XV. Base metals and preparations thereof	9029989,2	3129317,4
XVII. Means of land, air and water transport	548707,7	746131,7	XVI. Machines, equipment and mechanisms, electric and technical equipment	4486636,6	11552754,1

XVIII. Optical , photographic, cinematographic, measuring, medical and surgical devices and apparatus; watches, musical instruments	77464,07	260146	XVII. Ground, air and water transport facilities	756556,0	5743132,9
XIX. Various industrial goods	92955,23	113684,3	XVIII. Optical, cinematographic apparatus	162611,6	1272711,6
XX. 97 Works of art	11391,25	538,33	XX Different industrial products	1000840,1	1263633,1
Works of art	11391,25	538,33	XXI. 97 Art articles	558,0	3997,7

Source: Ukrstat.gov

Appendix 2. Data for the regression analysis

Date	HDI	Economic freedom	Hryvna/\$ exchange rate	Dummy variable	Education Spending (% of GDP)	Current health expenditure (% of GDP) - Ukraine	Tax revenue (% of GDP) - Ukraine
2020	0,779	54,9	26,96	1	13%	9,70%	19,15%
2019	0,75	52,3	25,85	1	13,16%	7,10%	19,20%
2018	0,774	51,9	27,2	1	12,75%	7,52%	20,14%
2017	0,771	48,1	26,6	1	13,02%	7,43%	20,05%
2016	0,768	46,8	23,78	1	12,35%	7,55%	19,63%
2015	0,765	46,9	15,76	1	13,34%	7,78%	20,45%
2014	0,771	49,3	7,99	1	13,12%	7,19%	17,29%
2013	0,767	46,3	7,99	0	13,87%	6,94%	16,90%
2012	0,764	46,1	7,98	0	13,67%	7,12%	17,63%
2011	0,76	45,8	7,96	0	13,48%	6,82%	17,84%

2010	0,755	46,4	7,98	0	15,05%	6,81%	15,00%
2009	0,749	48,8	7,7	0	13,56%	6,61%	15,79%
2008	0,755	51	5,05	0	14,04%	5,50%	17,09%
2007	0,751	51,5	5,05	0	13,92%	6,02%	15,82%
2006	0,744	54,4	5,05	0	13,74%	6,42%	17,09%
2005	0,738	55,8	5,3	0	12,78%	6,35%	16,53%
2004	0,732	53,7	5,33	0	14,42%	6,17%	12,81%
2003	0,725	51,1	5,33	0	14,36%	6,55%	13,16%
2002	0,717	48,2	5,29	0	12,81%	5,99%	12,63%
2001	0,708	48,5	5,43	0	11,36%	5,73%	11,66%

Source: author compilation, based on Ukraine - Human Development index - HDI 2019, Ukraine Economy: Population, GDP, Inflation, Business, Trade, FDI, Corruption, Ukraine education spending 1997-2022 MacroTrends, Current health expenditure (% of GDP) – Ukraine, Tax revenue (% of GDP) – Ukraine, Official Hrivnya Exchange rates, National Bank of Ukraine