

# APPENDICES

## 7.1: Tables:

- Table1: List of Major Exporting and Importing Countries analyzed in this thesis
- Table2: Factors, Measurements and Sources.
- *Table 1 Variables, Description and Sources as shown below*

Variable	Description	Source
CopperTradeValue	Bilateral trade value of copper (in USD) between country i and country j	UN Comtrade Database
lnGDPit	Natural logarithm of country i's GDP	World Bank's World Development Indicators
lnGDPjt	Natural logarithm of country j's GDP	World Bank's World Development Indicators
lnDistanceij	Natural logarithm of the distance (in kilometers) between the capitals of country i and country j	CEPII Database
lnPOPit	Natural logarithm of country i's population	World Bank's World Development Indicators
lnPOPjt	Natural logarithm of country j's population	World Bank's World Development Indicators
TDAgreementst	Dummy variable indicating the existence of a trade agreement between country i and country j	World Trade Organization (WTO)
Border	Dummy variable indicating whether country i and country j share a border	CIA World Factbook
Common_Languageij	Dummy variable indicating whether country i and country j have a common official language	CIA World Factbook
Common_Languageij	Dummy variable indicating whether country i and country j have a common official language	CIA World Factbook

Table 2 Distance Data.

Export(i)	Import(j)	Distance(km)	Export(i)	Import(j)	Distance(km)
Canada	China	9200	Chile	Mexico	9400
Canada	Japan	7500	Chile	Philippines	14800
Canada	South Korea	9200	Chile	Sweden	12600
Canada	Germany	6400	USA	Mexico	200
Canada	Finland	6200	USA	China	10000
Canada	Philippines	10300	USA	Canada	230
Canada	India	11700	USA	Japan	8500
Canada	USA	550	USA	Philippines	10200
Canada	Bulgaria	7100	USA	South Korea	9300
Canada	Sweden	6300	USA	Belgium	6800
Canada	Spain	6400	USA	India	12100
Peru	China	16500	USA	Malaysia	13800
Peru	Japan	18200	Kazakstan	China	1000
Peru	South Korea	19500	Kazakstan	Russian Federation	1200
Peru	Germany	11900	Kazakstan	Uzbekistan	550
Peru	India	16600	Russian	China	550
Peru	Spain	9400	Russian	Kazakhstan	1100
Peru	"Bulgaria		Russian	Germany	1400
"	12500		Georgia	China	5400
Peru	Philippines	16500	Georgia	Bulgaria	1400
Peru	Namibia	12500	Georgia	Spain	3900
Peru	Malaysia	19400	Spain	China	9500
Peru	Finland	12500	Spain	Germany	1300
Peru	Canada	9600	Spain	Bulgaria	2500
Peru	Chile	545	Armenia	Switzerland	3200
Peru	Mexico	4500	Armenia	China	5400
Peru	Brazil	3800	Armenia	Bulgaria	1800
Australia	South Korea	7900	Turkey	Bulgaria	500
Australia	India	8900	Turkey	Sweden	2400
Australia	China	7000	Turkey	China	6200
Australia	Japan	7400	Turkey	Spain	3300
Australia	Philippines	5200	Bulgaria	Namibia	9900
Germany	Sweden	460	Bulgaria	China	7250
Germany	Belgium	450	Bulgaria	Poland	1350
Germany	Canada	6290			
Zambia	China	8200			
Zambia	South Africa	1300			
Zambia	Switzerland	8000			
Indonesia	Japan	4200			
Indonesia	China	2900			
Indonesia	South Korea	4100			
Indonesia	India	2900			
Indonesia	Philippines	1800			
Indonesia	Spain	11500			
Chile	China	18500			
Chile	Japan	18700			
Chile	South Korea	17800			
Chile	India	15700			
Chile	Germany	12300			
Chile	Spain	10600			
Chile	Bulgaria	13500			
Chile	Brazil	3700			
Chile	Finland	14500			
Chile	Malaysia	18400			

Table 3 Trading Pairs Export and Import

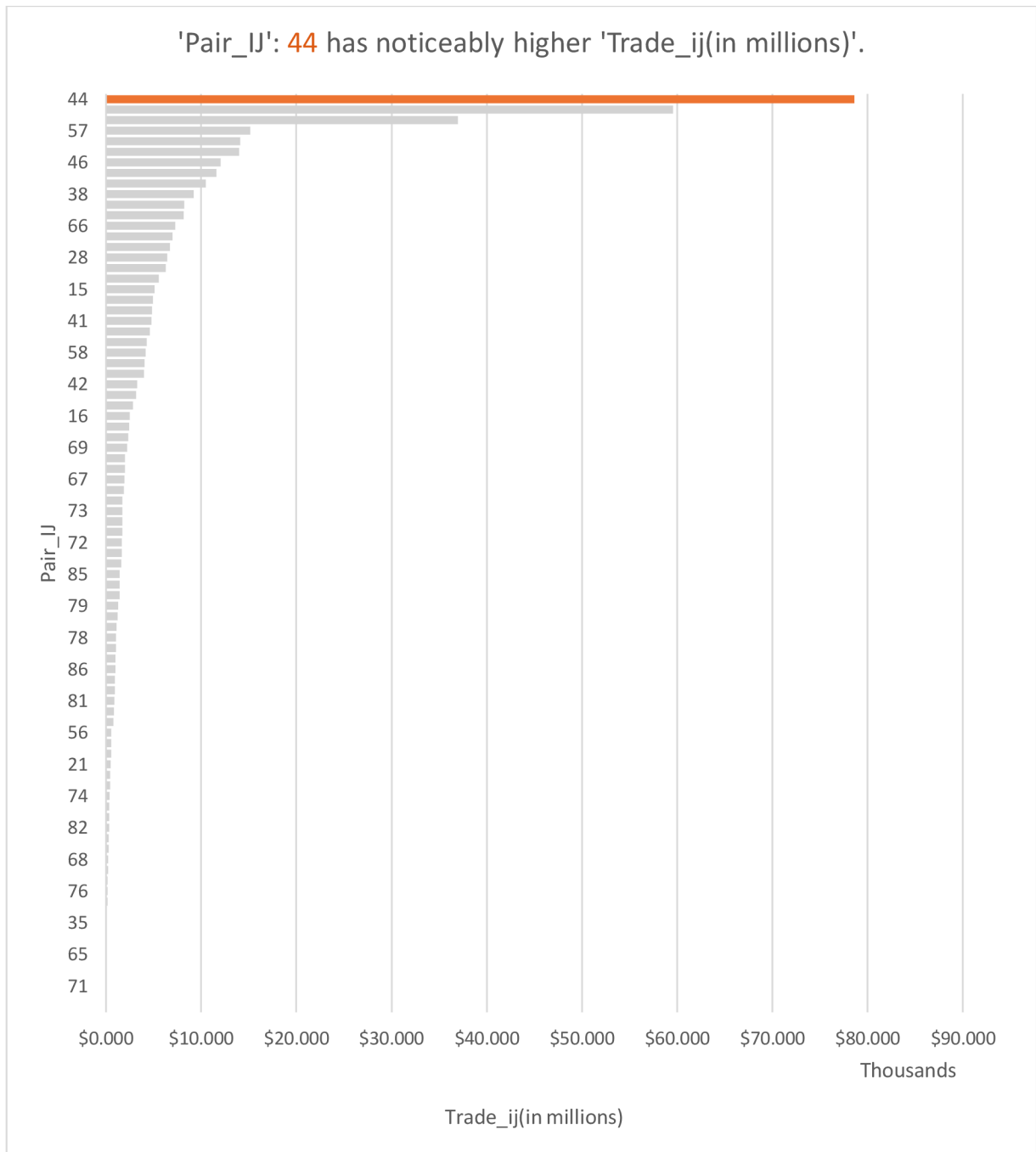
ID	Export	Import	ID	Export	Import	ID	Export	Import
1	Canada	China	41	Indonesia	India	81	Turkey	Bulgaria
2	Canada	Japan	42	Indonesia	Philippines	82	Turkey	Sweden
3	Canada	South Korea	43	Indonesia	Spain	83	Turkey	China
4	Canada	Germany	44	Chile	China	84	Turkey	Spain
5	Canada	Finland	45	Chile	Japan	85	Bulgaria	Namibia
6	Canada	Philippines	46	Chile	South Korea	86	Bulgaria	China
7	Canada	India	47	Chile	India	87	Bulgaria	Poland
8	Canada	USA	48	Chile	Germany			
9	Canada	Bulgaria	49	Chile	Spain			
10	Canada	Sweden	50	Chile	Bulgaria			
11	Canada	Spain	51	Chile	Brazil			
12	Peru	China	52	Chile	Finland			
13	Peru	Japan	53	Chile	Malaysia			
14	Peru	South Korea	54	Chile	Mexico			
15	Peru	Germany	55	Chile	Philippines			
16	Peru	India	56	Chile	Sweden			
17	Peru	Spain	57	USA	Mexico			
18	Peru	Bulgaria	58	USA	China			
19	Peru	Philippines	59	USA	Canada			
20	Peru	Namibia	60	USA	Japan			
21	Peru	Malaysia	61	USA	Philippines			
22	Peru	Finland	62	USA	South Korea			
23	Peru	Canada	63	USA	Belgium			
24	Peru	Chile	64	USA	India			
25	Peru	Mexico	65	USA	Malaysia			
26	Peru	Brazil	66	Kazakstan	China			
27	Australia	South Korea	67	Kazakstan	Russian Federation			
28	Australia	India	68	Kazakstan	Uzbekistan			
29	Australia	China	69	Russian	China			
30	Australia	Japan	70	Russian	Kazakhstan			
31	Australia	Philippines	71	Russian	Germany			
32	Germany	Sweden	72	Georgia	China			
33	Germany	Belgium	73	Georgia	Bulgaria			
34	Germany	Canada	74	Georgia	Spain			
35	Zambia	China	75	Spain	China			
36	Zambia	South Africa	76	Spain	Germany			
37	Zambia	Switzerland	77	Spain	Bulgaria			
38	Indonesia	Japan	78	Armenia	Switzerland			
39	Indonesia	China	79	Armenia	China			
40	Indonesia	South Korea	80	Armenia	Bulgaria			

## 7.2: Figures:

- *Figure 1: Shows Major Importing Countries of Copper Ore.*
- *Figure 2: Shows Major Exporting Countries of Copper Ore*
- *Figure 3 Shows the Share of Major Exporting and Importing Countries of Copper Ore in Period 2012-2021.*
- *Figure 4 Trade Agreement and Trade Value Analysis*
- *Figure 5 Common Language and Trade Value Analysis*
- *Figure 6 Trade Value and Border Analysis*
- *Figure 7 Trade Value and Importing Country GDP Analysis*
- *Figure 8 Trade Value and Exporting Country GDP Analysis*
- *Figure 9 Trade Value and Distance Analysis*

CHARTS:

Trading Pairs



Source: Excel Computation

FREQUENCES

