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CORN TRADE REPORT: APPENDIX
Section V



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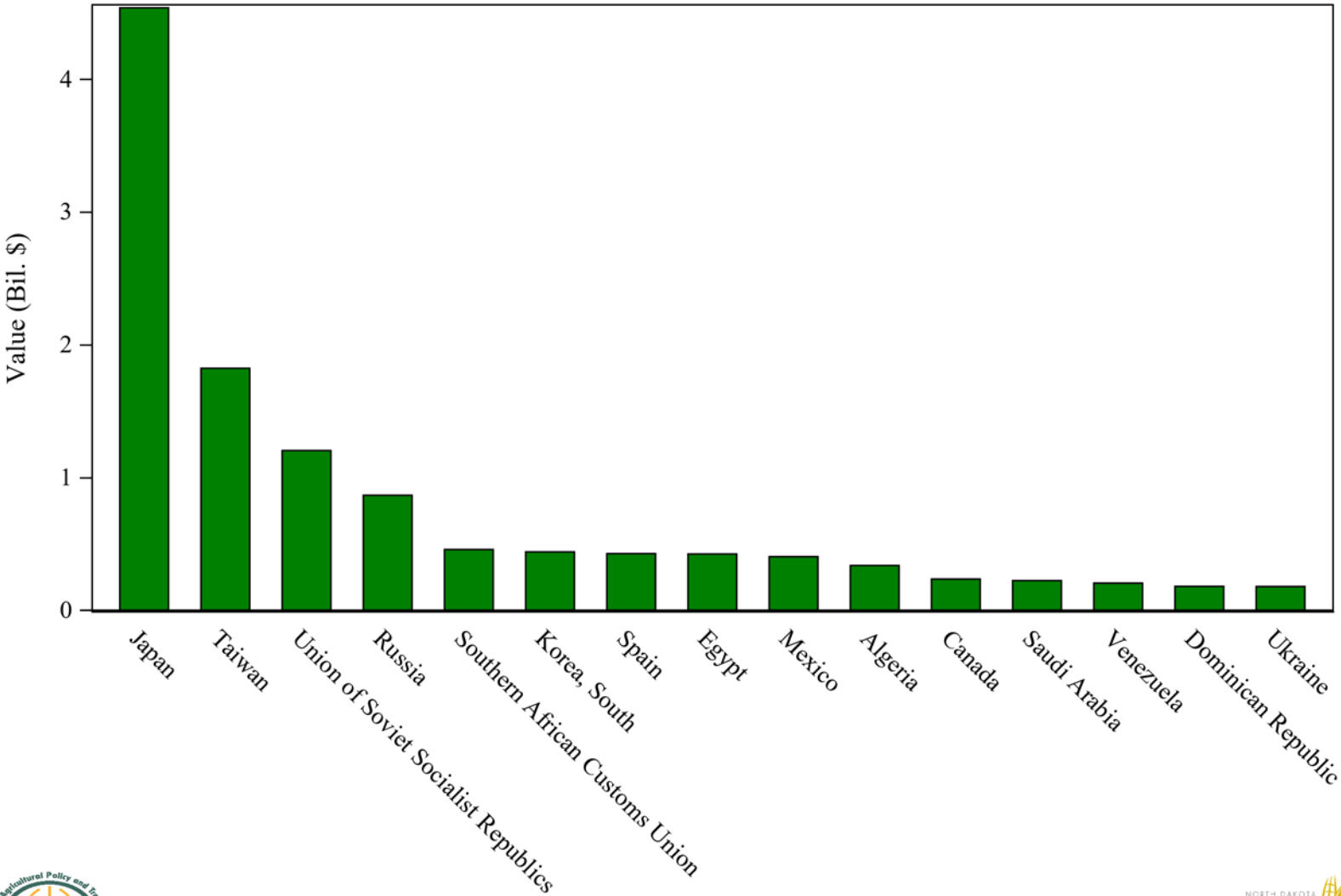
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Figure 1: U.S. Corn Grain & Seed Export Value to Top 15 Countries to Top 15 Countries, 1989-1993



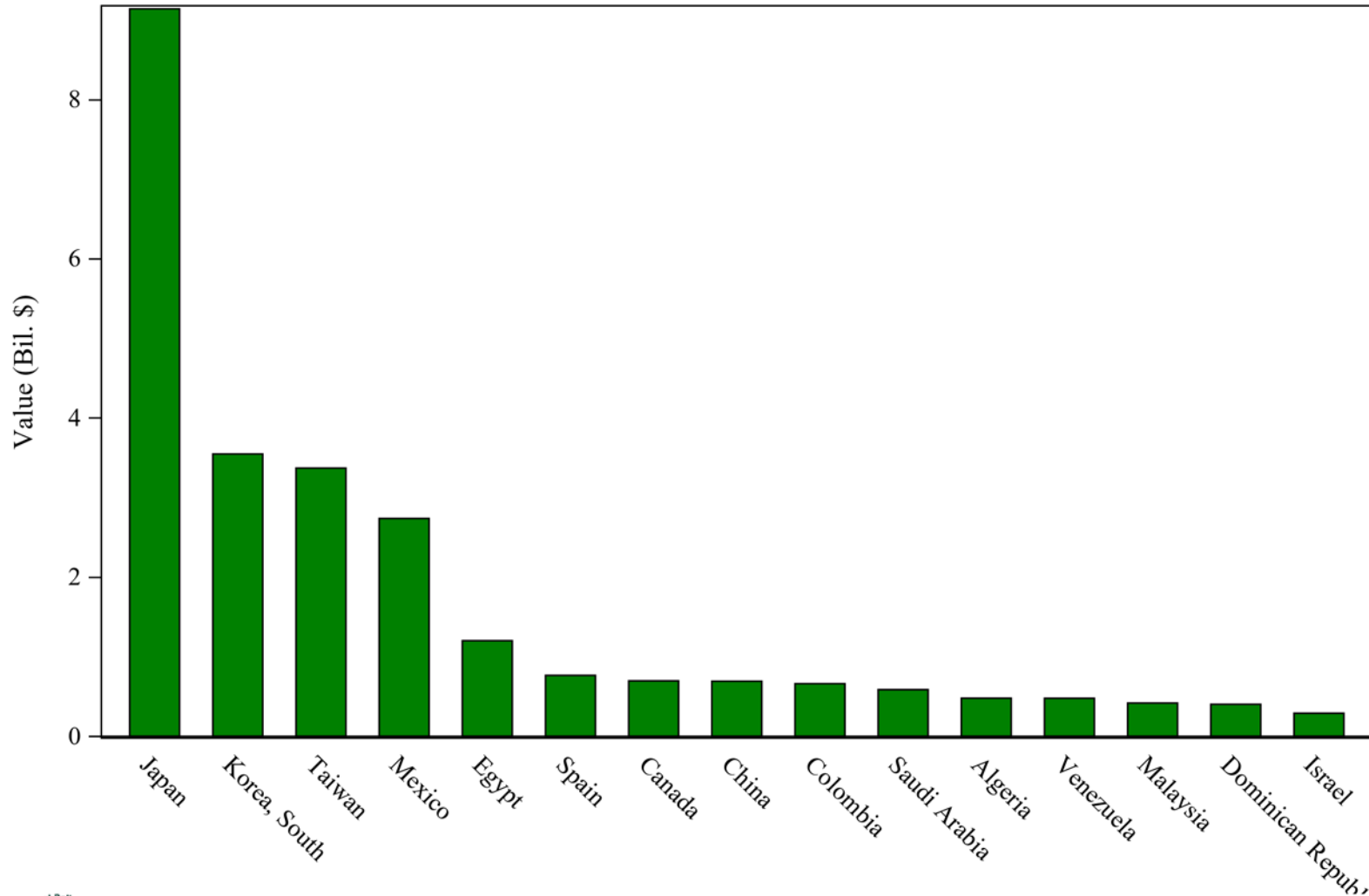
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Table 1: U.S. Corn Grain & Seed Export Value to Top 15 Countries, Descriptive Statistics for 1989-1993

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Japan	3	4,537,852,437	1,512,617,479	25,780,154	1.7	15.7
Taiwan	3	1,822,465,883	607,488,628	23,553,564	3.9	6.30
Union of Soviet Socialist Republics	1	1,202,802,335	1,202,802,335	.	.	11.7
Russia	2	866,136,147	433,068,074	34,672,917	8.0	4.62
Southern African Customs Union	3	457,163,644	152,387,881	194,088,106	127	1.58
Korea, South	3	439,352,331	146,450,777	81,811,022	55.9	1.48
Spain	3	426,537,498	142,179,166	19,191,717	13.5	1.47
Egypt	3	423,498,645	141,166,215	50,975,580	36.1	1.49
Mexico	3	403,279,497	134,426,499	50,861,106	37.8	1.37
Algeria	3	337,065,746	112,355,249	17,509,591	15.6	1.16
Canada	3	234,800,025	78,266,675	31,794,986	40.6	0.82
Saudi Arabia	3	223,175,745	74,391,915	18,145,513	24.4	0.78
Venezuela	3	204,241,192	68,080,397	28,133,371	41.3	0.72
Dominican Republic	3	179,655,049	59,885,016	11,195,310	18.7	0.63
Ukraine	2	178,591,209	89,295,605	43,189,159	48.4	0.94

Figure 2: U.S. Corn Grain & Seed Export Value to Top 15 Countries to Top 15 Countries, 1994-1998



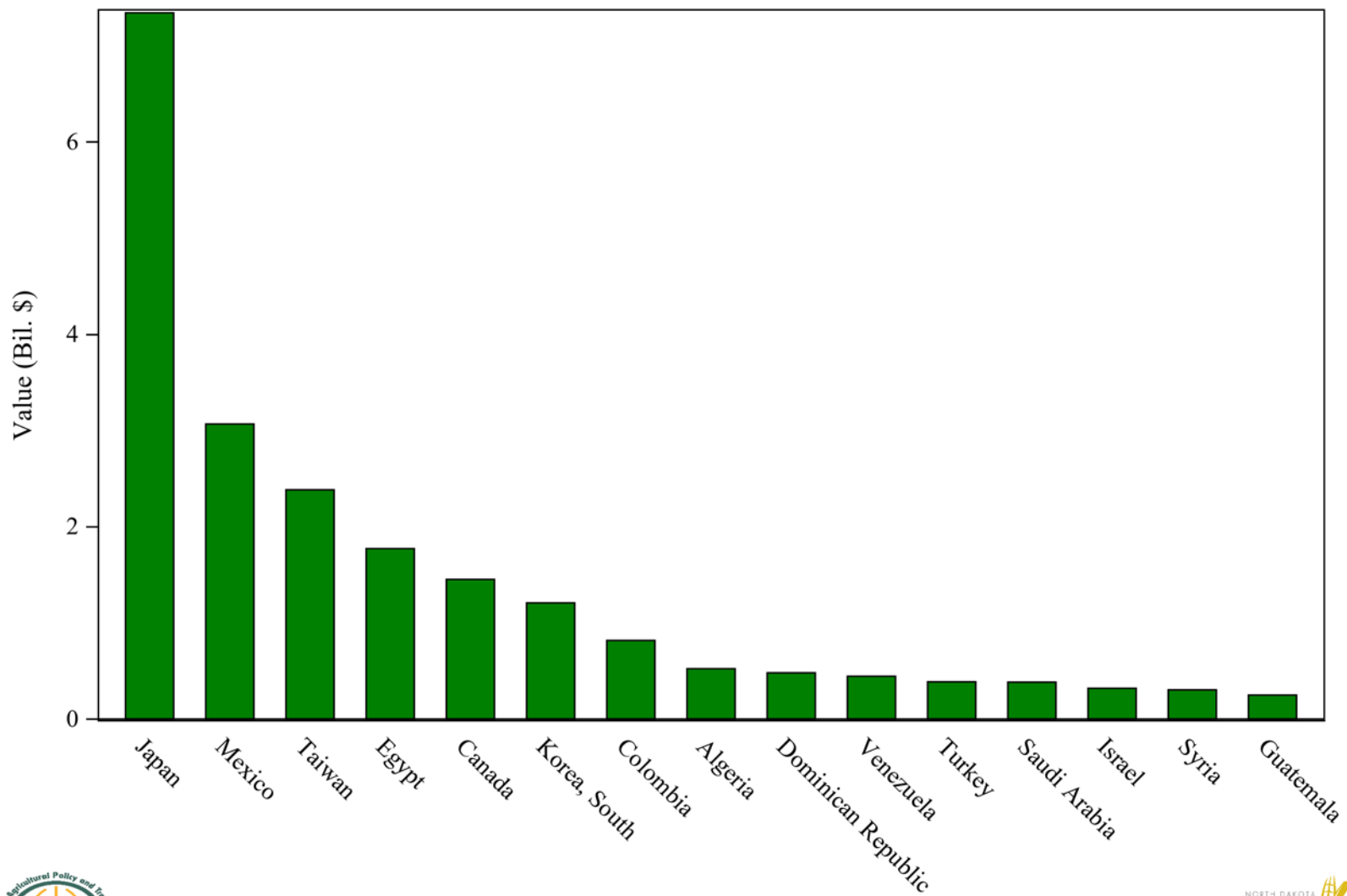
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Table 2: U.S. Corn Grain & Seed Export Value to Top 15 Countries, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Japan	5	9,138,823,643	1,827,764,729	434,348,196	23.8	15.5
Korea, South	5	3,546,705,662	709,341,132	447,912,379	63.1	5.42
Taiwan	5	3,369,485,888	673,897,178	219,285,359	32.5	5.61
Mexico	5	2,736,244,145	547,248,829	287,540,479	52.5	4.57
Egypt	5	1,200,881,008	240,176,202	60,622,347	25.2	2.02
Spain	5	765,500,571	153,100,114	89,600,275	58.5	1.25
Canada	5	696,403,752	139,280,750	27,303,251	19.6	1.21
China	5	691,483,218	138,296,644	275,118,294	199	0.96
Colombia	5	661,036,221	132,207,244	46,512,863	35.2	1.11
Saudi Arabia	5	586,116,902	117,223,380	16,554,575	14.1	1.02
Algeria	5	478,550,603	95,710,121	27,078,495	28.3	0.90
Venezuela	5	477,649,333	95,529,867	8,289,309	8.7	0.84
Malaysia	5	417,574,943	83,514,989	91,244,377	109	0.56
Dominican Republic	5	401,855,461	80,371,092	16,901,827	21.0	0.69
Israel	5	289,680,925	57,936,185	32,854,840	56.7	0.45

Figure 3: U.S. Corn Grain & Seed Export Value to Top 15 Countries, 1999-2003



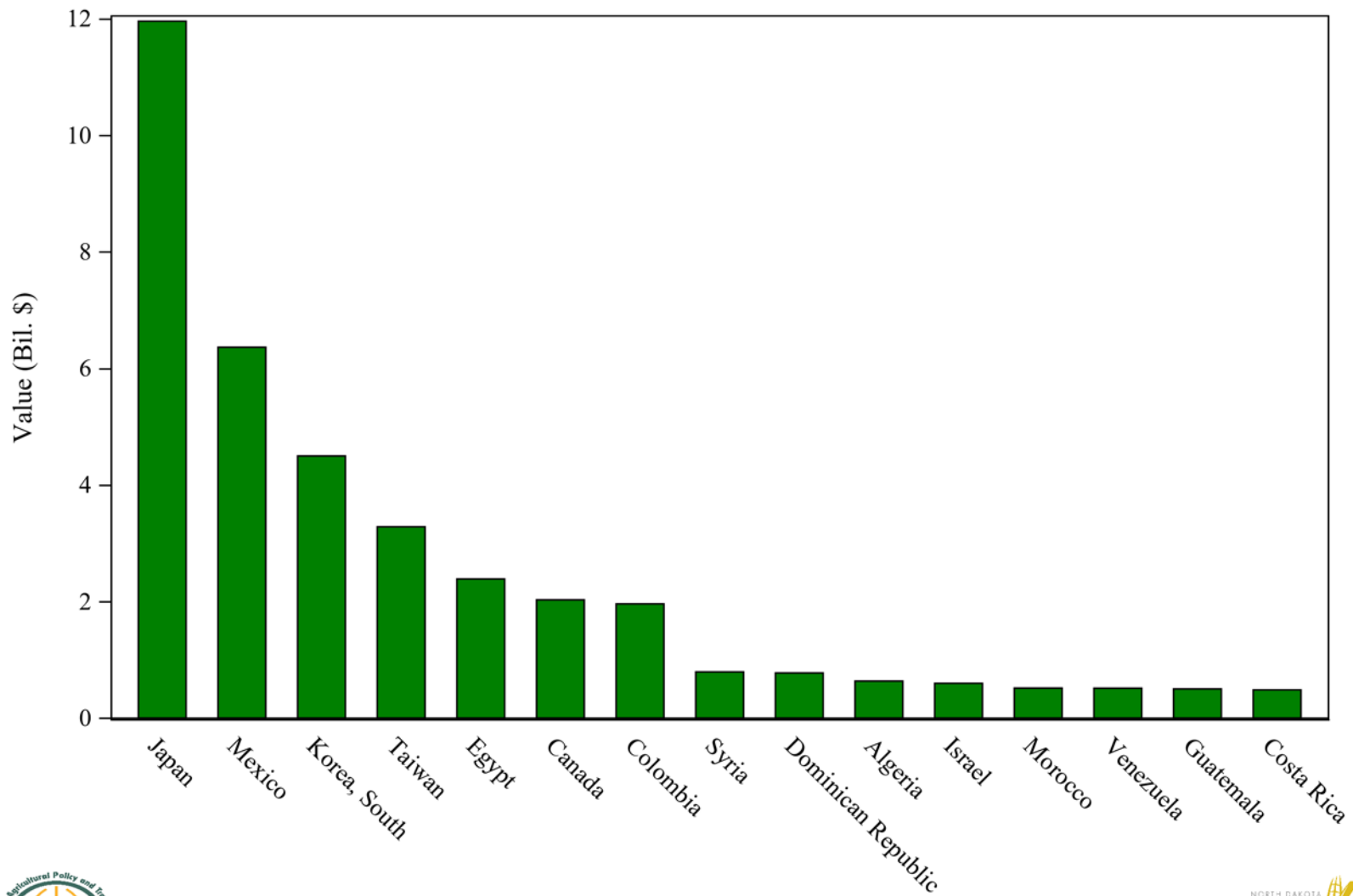
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Table 3: U.S. Corn Grain & Seed Export Value to Top 15 Countries, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Japan	5	7,340,322,891	1,468,064,578	107,741,456	7.3	14.9
Mexico	5	3,066,118,187	613,223,637	67,039,113	10.9	6.24
Taiwan	5	2,382,184,879	476,436,976	18,494,552	3.9	4.85
Egypt	5	1,771,006,600	354,201,320	45,342,523	12.8	3.61
Canada	5	1,451,046,953	290,209,391	139,001,559	47.9	2.94
Korea, South	5	1,206,944,059	241,388,812	209,817,088	86.9	2.45
Colombia	5	816,609,444	163,321,889	14,094,489	8.6	1.66
Algeria	5	522,600,829	104,520,166	18,648,062	17.8	1.06
Dominican Republic	5	479,957,302	95,991,460	6,181,270	6.4	0.98
Venezuela	5	444,160,135	88,832,027	19,245,094	21.7	0.91
Turkey	5	386,002,563	77,200,513	24,383,595	31.6	0.79
Saudi Arabia	5	382,805,938	76,561,188	37,060,388	48.4	0.78
Israel	5	318,925,799	63,785,160	12,463,577	19.5	0.65
Syria	5	302,497,749	60,499,550	14,276,823	23.6	0.62
Guatemala	5	248,676,460	49,735,292	6,929,519	13.9	0.51

Figure 4: U.S. Corn Grain & Seed Export Value to Top 15 Countries, 2004-2008



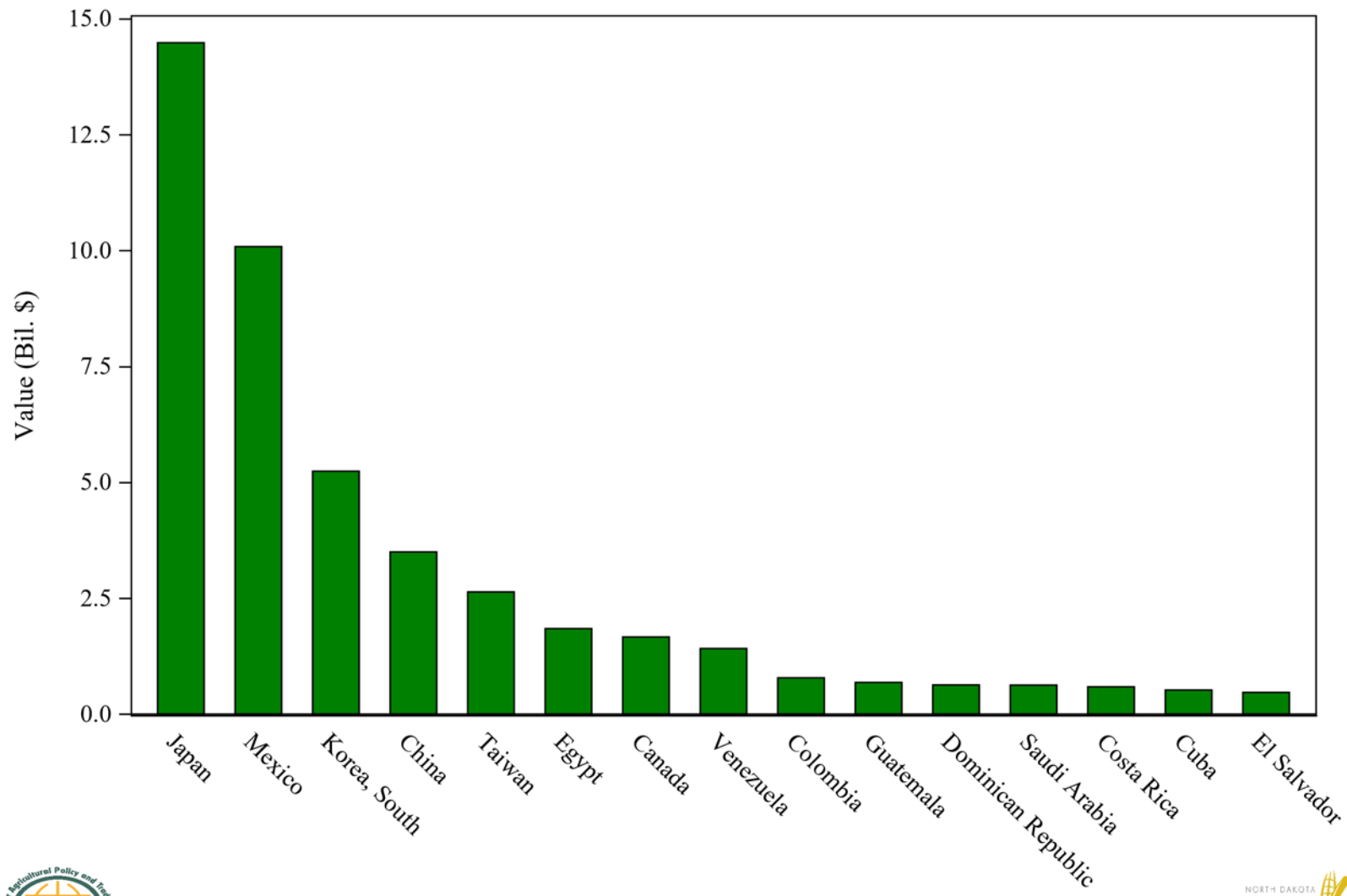
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Table 4: U.S. Corn Grain & Seed Export Value to Top 15 Countries, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Japan	5	11,960,332,581	2,392,066,516	893,626,797	37.4	14.4
Mexico	5	6,365,847,822	1,273,169,564	676,626,998	53.1	7.24
Korea, South	5	4,499,937,783	899,987,557	738,600,938	82.1	4.74
Taiwan	5	3,284,572,335	656,914,467	116,457,304	17.7	4.18
Egypt	5	2,388,381,239	477,676,248	125,791,716	26.3	2.96
Canada	5	2,030,328,107	406,065,621	159,265,194	39.2	2.43
Colombia	5	1,961,191,314	392,238,263	180,969,897	46.1	2.28
Syria	5	793,673,667	158,734,733	68,007,482	42.8	0.95
Dominican Republic	5	775,938,753	155,187,751	66,622,455	42.9	0.91
Algeria	5	635,924,841	127,184,968	52,038,629	40.9	0.84
Israel	5	598,566,836	119,713,367	62,744,870	52.4	0.68
Morocco	5	516,208,840	103,241,768	33,312,494	32.3	0.67
Venezuela	5	514,157,730	102,831,546	121,663,857	118	0.50
Guatemala	5	501,307,028	100,261,406	37,543,873	37.4	0.60
Costa Rica	5	485,780,859	97,156,172	37,831,322	38.9	0.58

Figure 5: U.S. Corn Grain & Seed Export Value to Top 15 Countries, 2009-2013



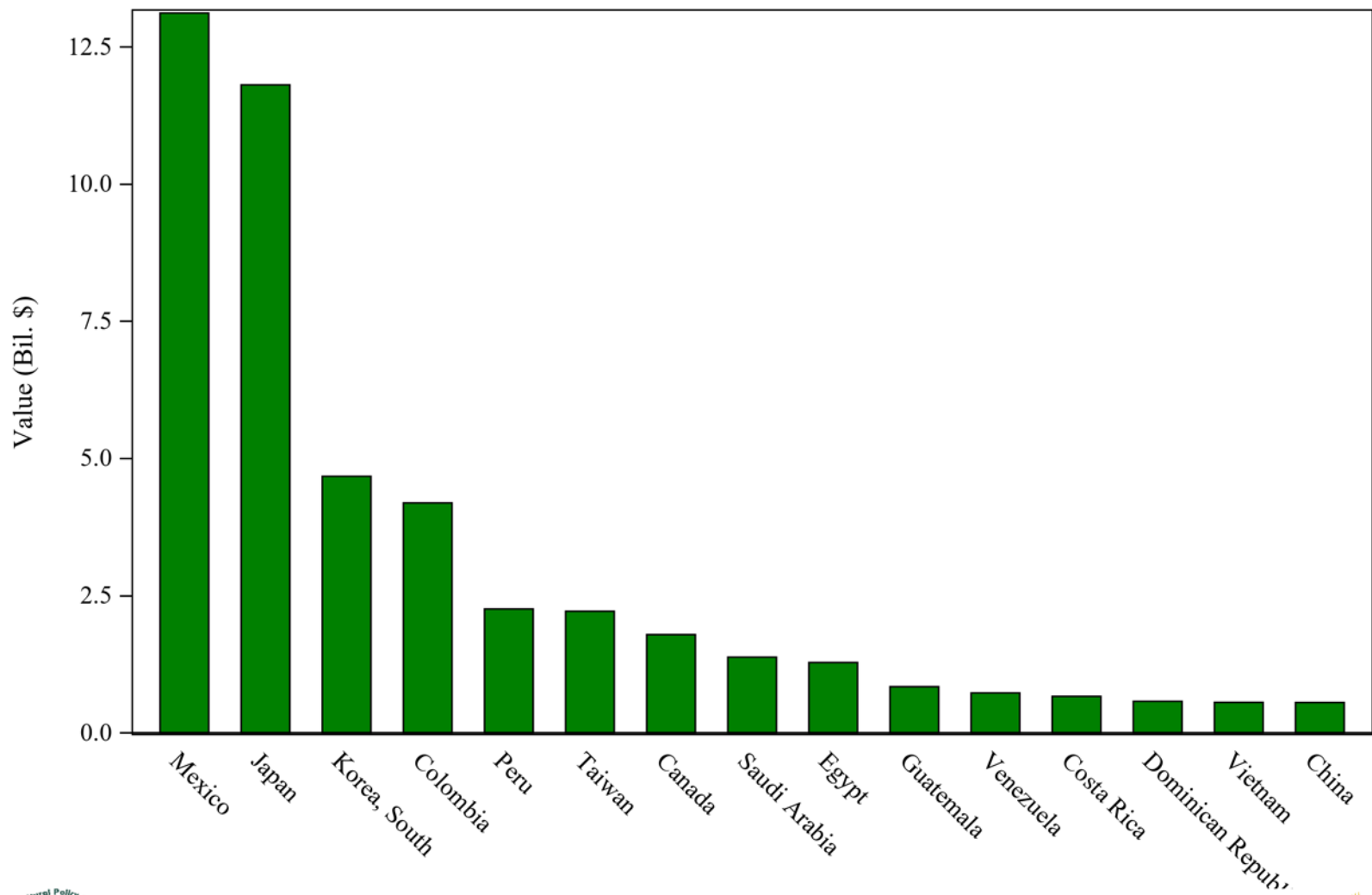
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Table 5: U.S. Corn Grain & Seed Export Value to Top 15 Countries, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Japan	5	14,483,757,831	2,896,751,566	700,627,761	24.2	14.6
Mexico	5	10,085,939,822	2,017,187,964	578,990,488	28.7	10.4
Korea, South	5	5,239,867,880	1,047,973,576	630,526,793	60.2	4.95
China	5	3,497,854,699	699,570,940	519,187,305	74.2	3.75
Taiwan	5	2,635,151,298	527,030,260	267,113,009	50.7	2.57
Egypt	5	1,844,432,078	368,886,416	323,451,637	87.7	1.69
Canada	5	1,663,421,604	332,684,321	42,051,443	12.6	1.75
Venezuela	5	1,414,492,174	282,898,435	83,550,467	29.5	1.54
Colombia	5	782,453,905	156,490,781	52,767,215	33.7	0.84
Guatemala	5	683,137,218	136,627,444	42,152,114	30.9	0.68
Dominican Republic	5	628,207,792	125,641,558	85,911,172	68.4	0.60
Saudi Arabia	5	624,307,928	124,861,586	37,248,015	29.8	0.63
Costa Rica	5	588,314,012	117,662,802	52,642,581	44.7	0.57
Cuba	5	519,088,801	103,817,760	31,691,376	30.5	0.53
El Salvador	5	466,941,891	93,388,378	44,232,405	47.4	0.46

Figure 6: U.S. Corn Grain & Seed Export Value to Top 15 Countries, 2014-2018



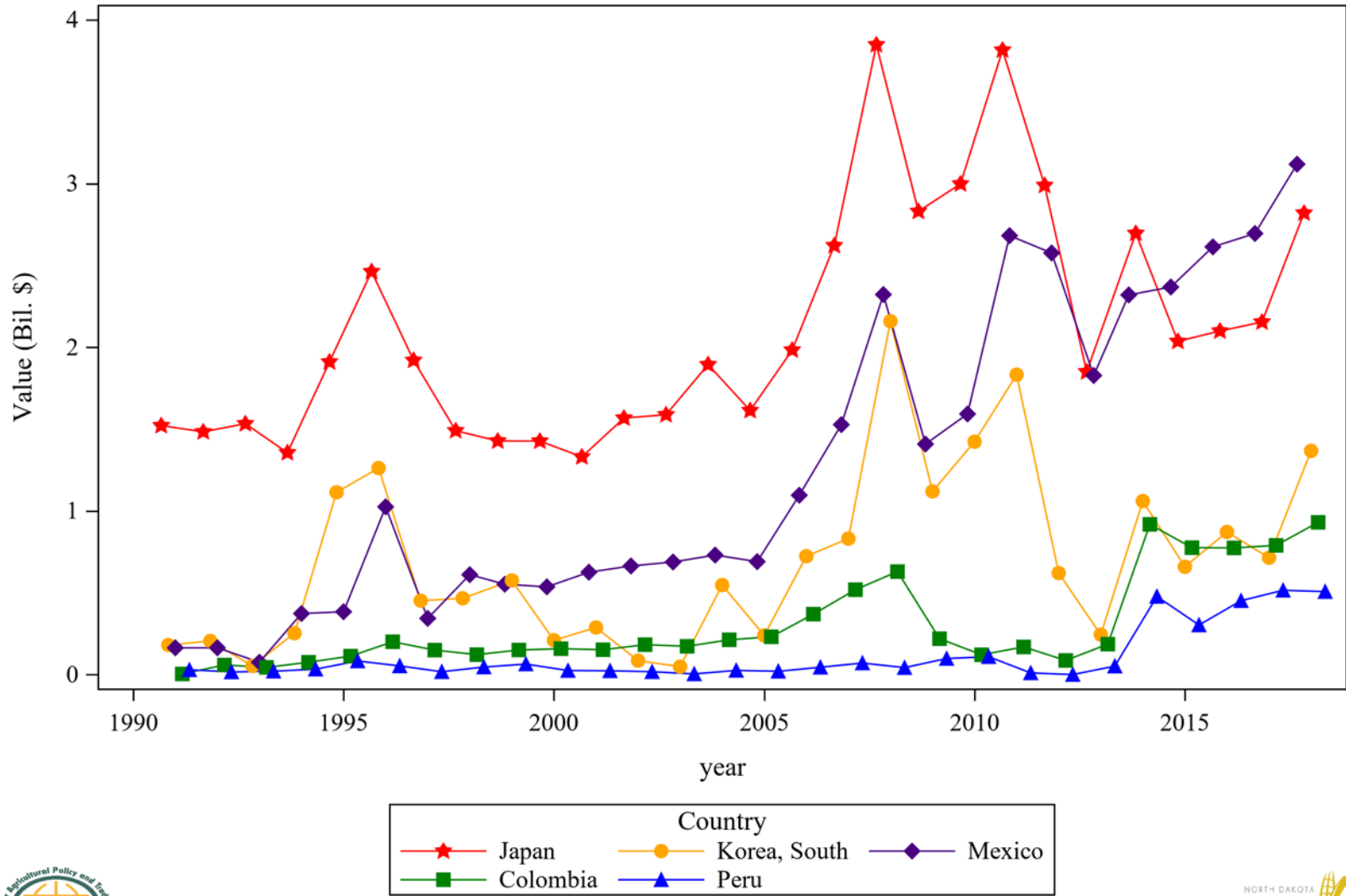
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Table 6: U.S. Corn Grain & Seed Export Value to Top 15 Countries, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	13,114,514,085	2,622,902,817	319,211,045	12.2	12.6
Japan	5	11,805,746,345	2,361,149,269	367,285,855	15.6	11.3
Korea, South	5	4,672,477,513	934,495,503	288,019,567	30.8	4.37
Colombia	5	4,187,094,567	837,418,913	79,390,423	9.5	4.02
Peru	5	2,254,532,473	450,906,495	86,448,008	19.2	2.15
Taiwan	5	2,213,655,483	442,731,097	100,719,673	22.7	2.10
Canada	5	1,787,867,773	357,573,555	83,620,350	23.4	1.70
Saudi Arabia	5	1,376,620,123	275,324,025	53,493,811	19.4	1.32
Egypt	5	1,278,831,263	255,766,253	217,550,314	85.1	1.17
Guatemala	5	838,464,704	167,692,941	20,564,603	12.3	0.80
Venezuela	5	725,196,593	145,039,319	91,006,263	62.7	0.69
Costa Rica	5	663,104,979	132,620,996	16,948,090	12.8	0.64
Dominican Republic	5	571,369,210	114,273,842	35,383,153	31.0	0.54
Vietnam	5	552,353,826	110,470,765	144,979,213	131	0.46
China	5	549,461,654	109,892,331	58,920,556	53.6	0.56

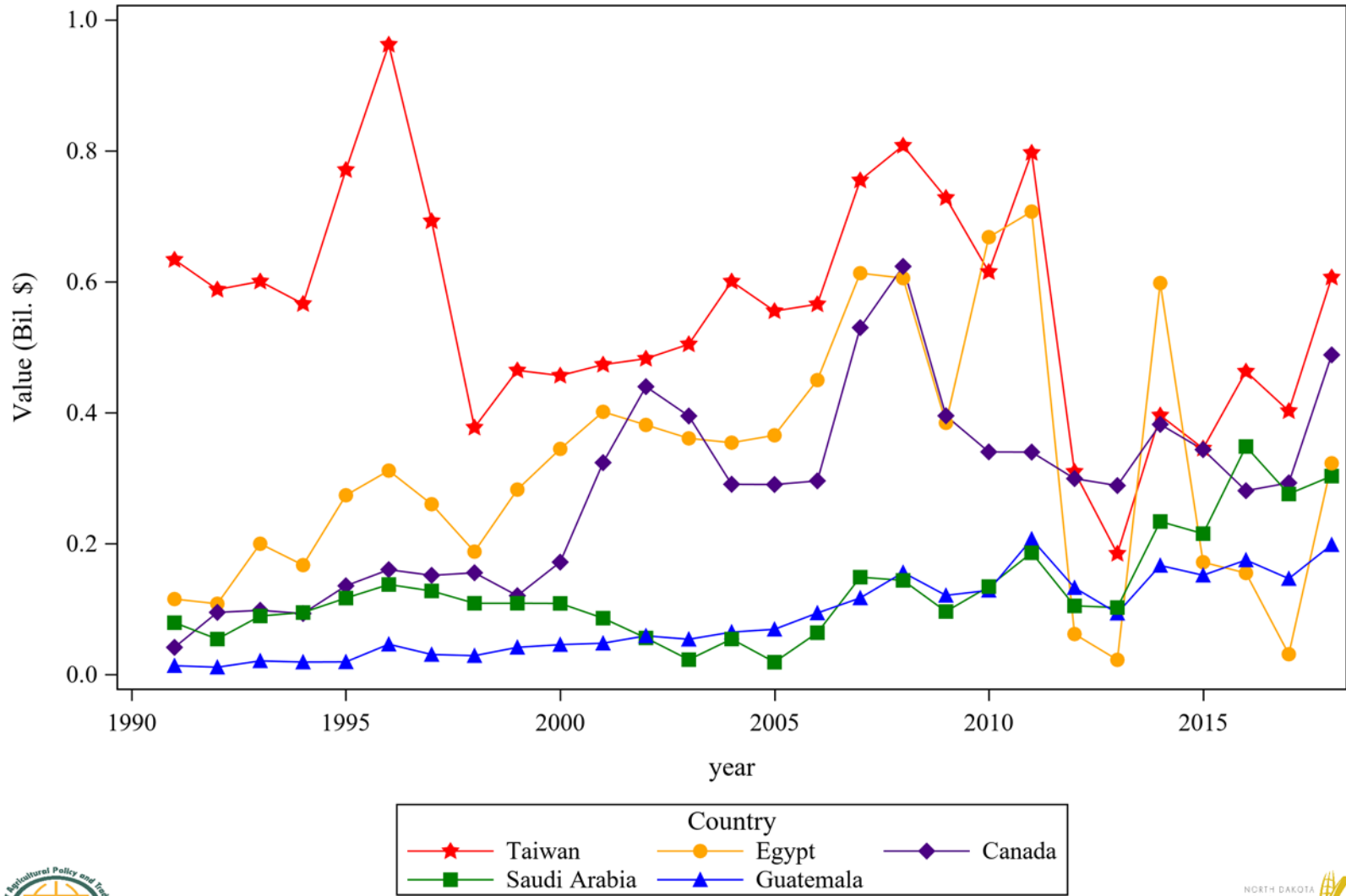
Figure 7: U.S. Corn Grain & Seed Export Value to Top 5 Countries, Annual Trends



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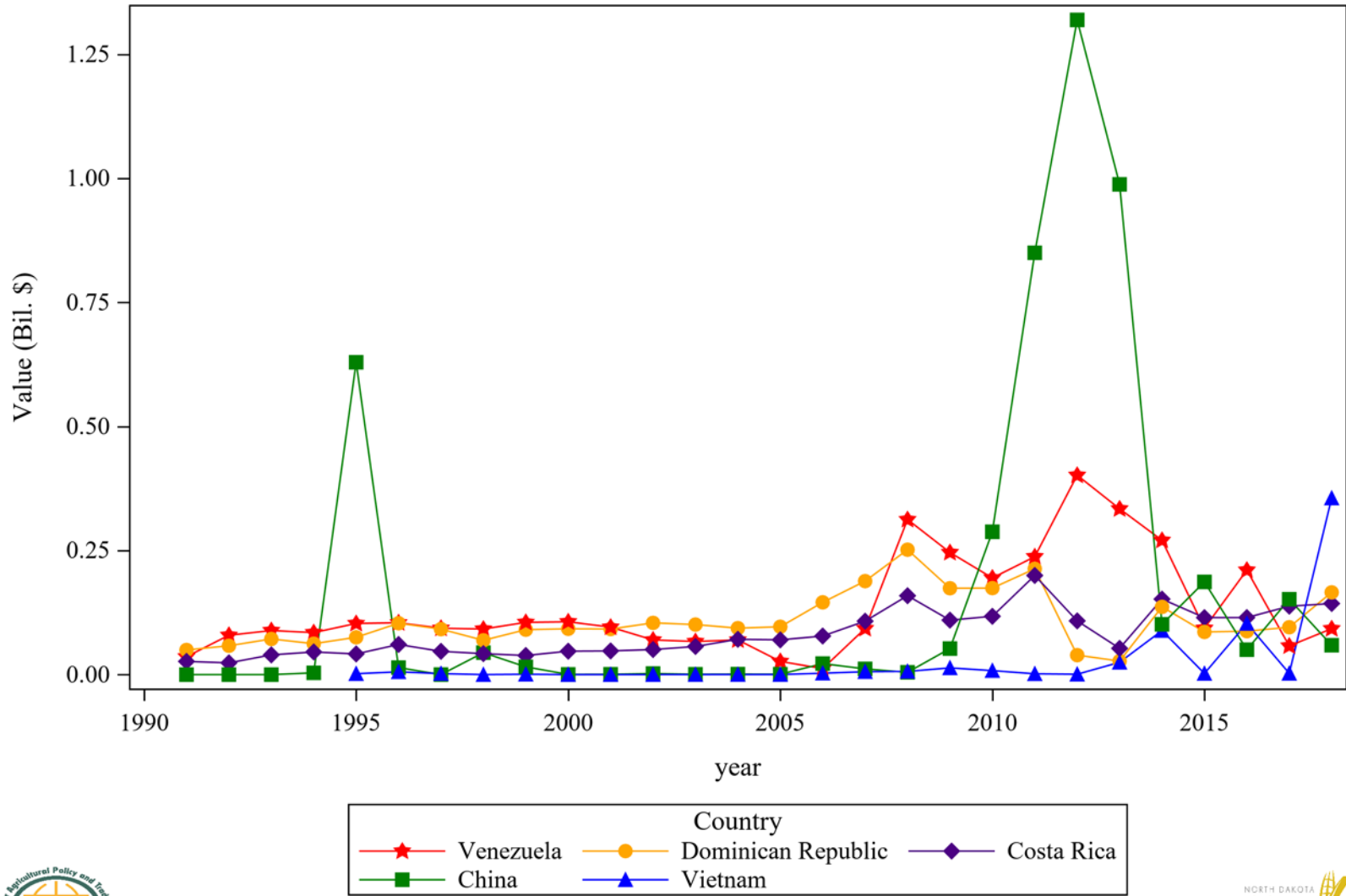
Figure 8: U.S. Corn Grain & Seed Export Value to Top 6 to 10 Countries, Annual Trends



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Figure 9: U.S. Corn Grain & Seed Export Value to Top 11 to 15 Countries, Annual Trends



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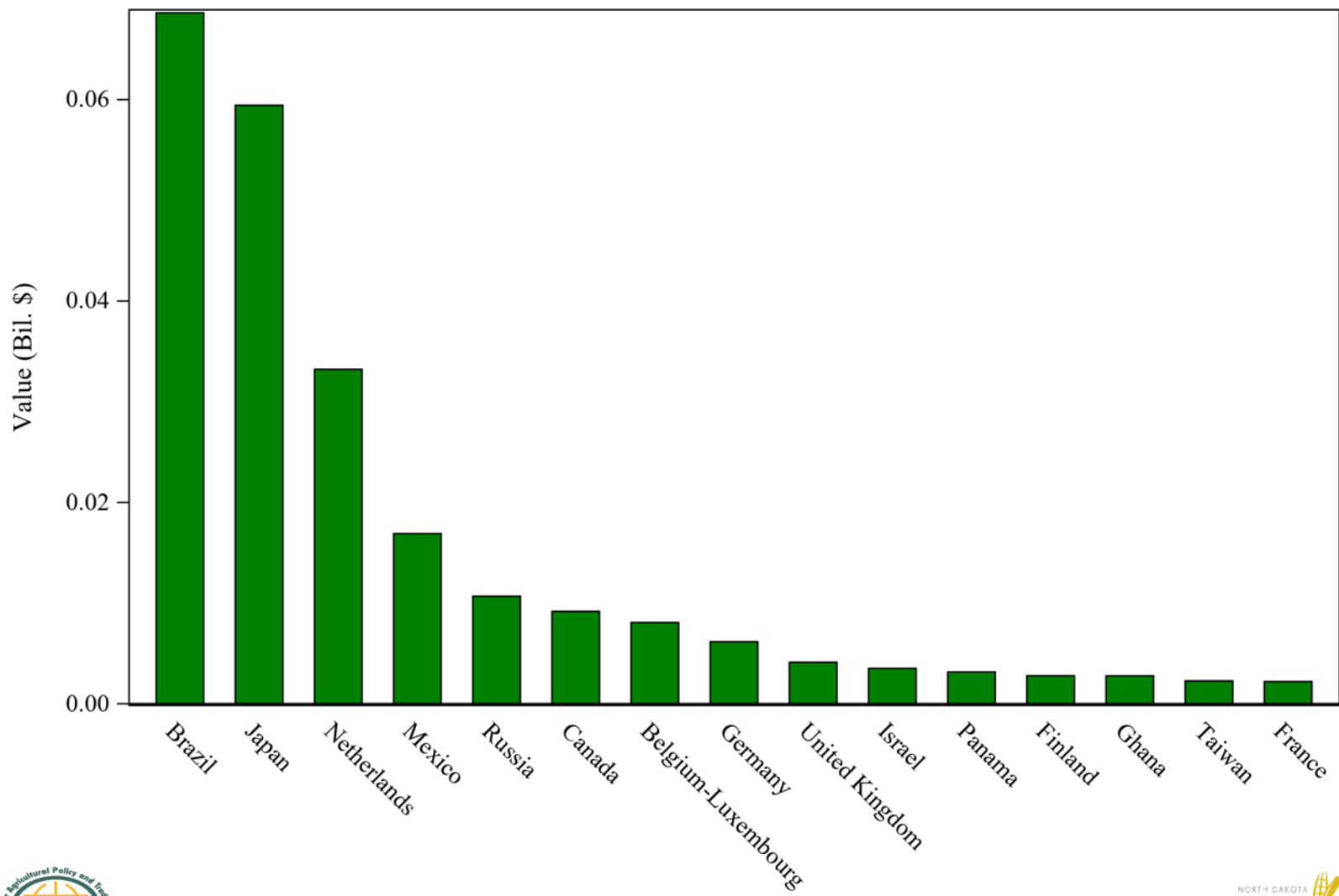


Table 7: U.S. Corn Grain & Seed Export Value to Top 5 Countries, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
Mexico	1,592,513,743	2,681,826,287	2,575,838,487	1,827,457,108	2,319,623,161	2,368,160,751	2,613,433,784	2,694,990,270	3,118,306,119
Japan	2,998,140,312	3,815,939,459	2,989,170,697	1,850,146,607	2,696,025,969	2,036,204,848	2,099,355,348	2,154,205,403	2,819,954,777
Korea, South	1,423,033,537	1,832,549,432	620,495,647	244,137,889	1,060,422,632	658,812,979	871,571,839	714,195,315	1,367,474,748
Colombia	121,221,924	169,163,293	86,536,108	186,085,026	917,829,660	775,440,504	774,121,042	789,527,194	930,176,167
Peru	109,543,486	10,323,840	357,167	51,844,100	477,493,456	303,002,839	451,595,861	515,386,868	507,053,449
Taiwan	615,172,099	796,997,483	309,959,166	184,775,707	395,910,024	345,433,930	462,932,395	402,628,159	606,750,975
Canada	340,147,528	339,838,955	299,372,757	288,730,060	382,175,640	343,617,216	280,879,434	292,857,709	488,337,774
Saudi Arabia	134,396,950	186,096,152	104,993,250	102,478,865	233,854,294	215,230,813	348,371,796	275,927,232	303,235,988
Egypt	668,202,827	707,239,722	61,949,740	22,538,850	598,067,190	171,679,891	155,110,331	31,164,896	322,808,955
Guatemala	128,710,167	206,956,589	132,718,540	93,742,311	166,732,275	151,753,274	175,046,066	146,611,441	198,321,648
Venezuela	194,815,183	237,623,815	401,794,685	334,137,110	270,715,592	93,458,386	210,657,875	57,751,650	92,613,090
Costa Rica	117,552,634	199,795,507	108,234,218	52,946,355	152,176,877	114,864,625	114,979,840	137,845,467	143,238,170
Dominican Republic	174,387,587	213,201,469	39,265,430	27,284,977	136,535,564	86,036,179	87,575,854	95,480,017	165,741,596
Vietnam	8,018,086	1,691,895	760,660	24,782,533	88,727,751	2,288,852	102,996,348	2,528,644	355,812,231
China	287,917,427	850,043,187	1,319,411,404	988,002,447	101,342,030	186,826,600	50,233,062	151,883,243	59,176,719

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Figure 10: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, 1989-1993



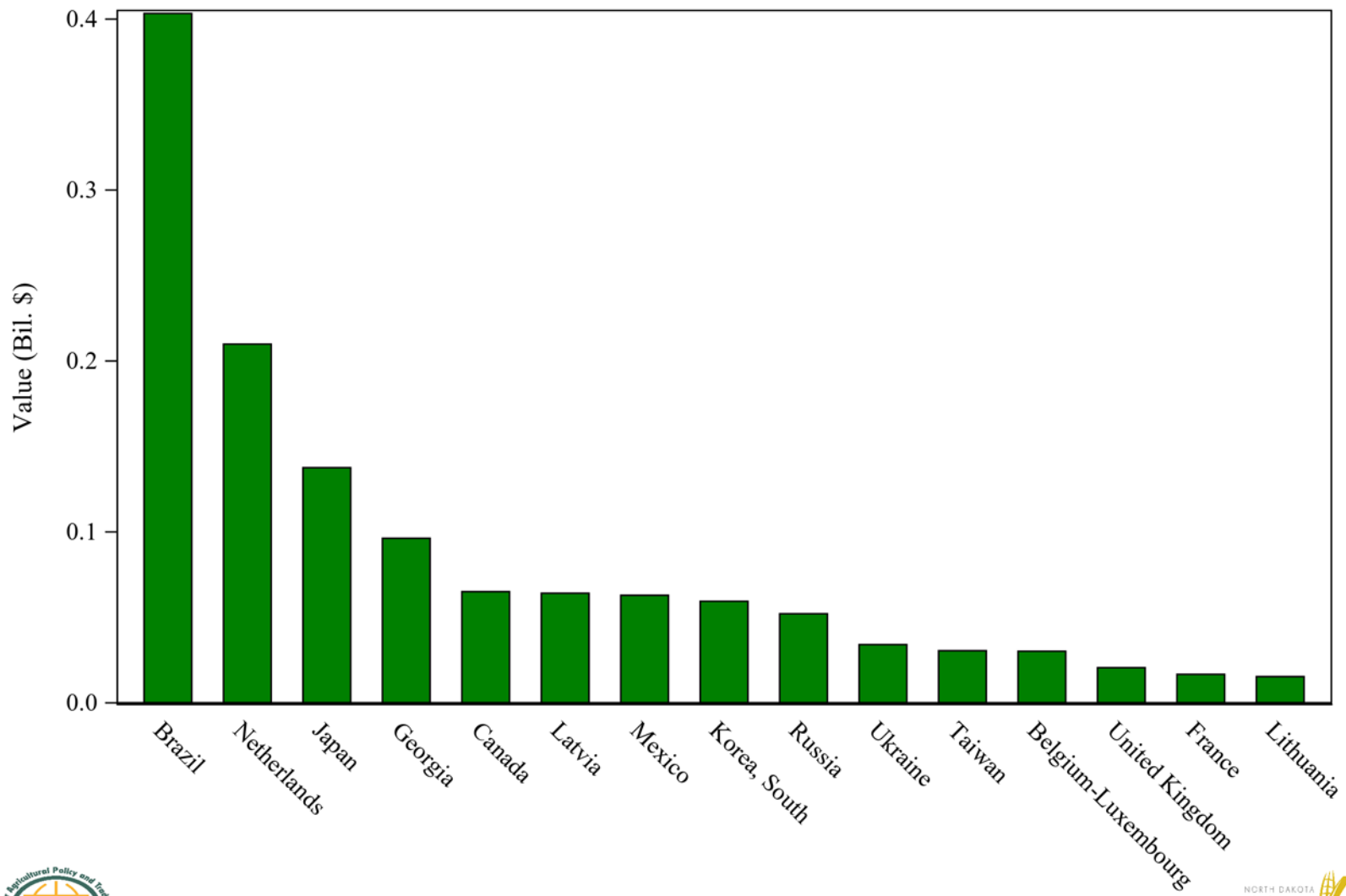
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Table 8: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, Descriptive Statistics for 1989-1993

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Brazil	2	68,581,005	34,290,503	20,429,417	59.6	16.7
Japan	3	59,389,036	19,796,345	11,887,198	60.0	11.7
Netherlands	3	33,183,025	11,061,008	6,431,165	58.1	7.73
Mexico	3	16,881,538	5,627,179	1,919,254	34.1	3.60
Russia	2	10,658,791	5,329,396	2,359,777	44.3	3.73
Canada	3	9,154,733	3,051,578	805,279	26.4	1.97
Belgium-Luxembourg	3	8,048,934	2,682,978	1,179,438	44.0	1.86
Germany	3	6,142,114	2,047,371	2,545,667	124	1.24
United Kingdom	3	4,100,662	1,366,887	924,588	67.6	0.79
Israel	3	3,493,730	1,164,577	427,918	36.7	0.78
Panama	3	3,143,585	1,047,862	1,714,127	164	1.05
Finland	3	2,772,245	924,082	1,100,539	119	0.57
Ghana	3	2,765,501	921,834	706,023	76.6	0.66
Taiwan	3	2,257,182	752,394	420,954	55.9	0.43
France	3	2,191,633	730,544	195,155	26.7	0.46

Figure 11: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, 1994-1998



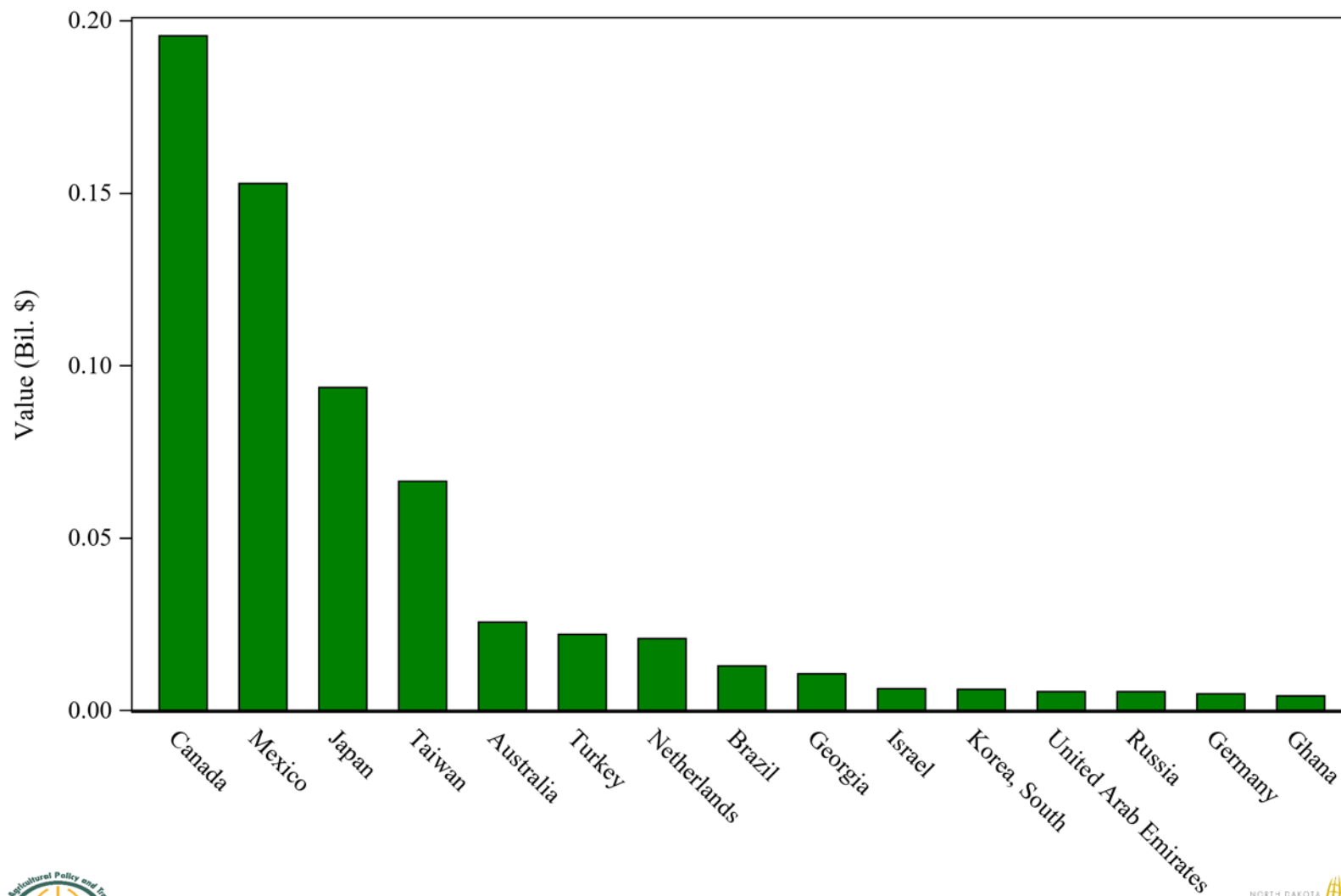
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Table 9: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Brazil	5	403,269,822	80,653,964	78,993,557	97.9	13.1
Netherlands	5	209,814,863	41,962,973	24,706,774	58.9	7.23
Japan	5	137,517,272	27,503,454	5,944,550	21.6	5.31
Georgia	4	96,215,081	24,053,770	28,749,584	120	4.78
Canada	5	64,979,440	12,995,888	7,505,164	57.8	2.66
Latvia	5	64,069,394	12,813,879	8,420,511	65.7	2.11
Mexico	5	62,867,139	12,573,428	7,161,714	57.0	2.26
Korea, South	5	59,351,313	11,870,263	10,157,115	85.6	1.96
Russia	5	52,050,159	10,410,032	5,692,798	54.7	1.86
Ukraine	5	34,004,357	6,800,871	4,158,888	61.2	1.31
Taiwan	5	30,438,253	6,087,651	4,315,253	70.9	1.20
Belgium-Luxembourg	5	30,135,859	6,027,172	4,673,726	77.5	1.04
United Kingdom	5	20,508,609	4,101,722	5,621,802	137	0.69
France	5	16,622,708	3,324,542	1,674,629	50.4	0.58
Lithuania	5	15,292,958	3,058,592	3,002,647	98.2	0.51

Figure 12: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, 1999-2003



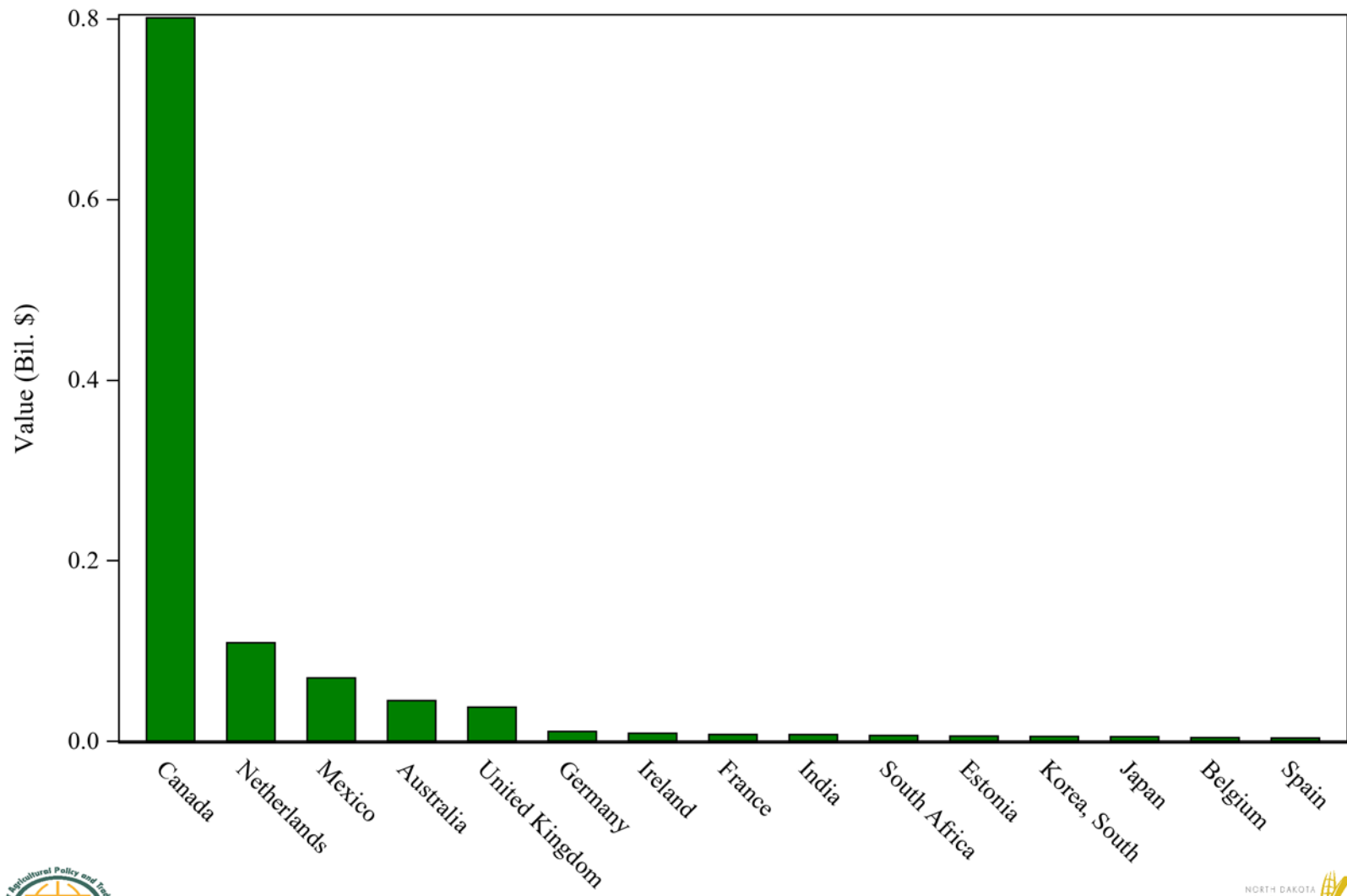
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Table 10: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	5	195,587,484	39,117,497	13,089,264	33.5	14.4
Mexico	5	152,755,698	30,551,140	13,961,378	45.7	11.1
Japan	5	93,606,237	18,721,247	8,216,473	43.9	7.50
Taiwan	5	66,413,345	13,282,669	3,368,502	25.4	5.02
Australia	5	25,557,699	5,111,540	3,308,666	64.7	1.76
Turkey	5	22,018,128	4,403,626	7,206,360	164	1.38
Netherlands	5	20,806,859	4,161,372	3,765,981	90.5	1.62
Brazil	5	12,859,221	2,571,844	5,559,335	216	0.76
Georgia	5	10,583,640	2,116,728	1,849,913	87.4	0.81
Israel	5	6,263,185	1,252,637	333,637	26.6	0.48
Korea, South	5	6,077,374	1,215,475	225,820	18.6	0.46
United Arab Emirates	5	5,425,703	1,085,141	934,803	86.1	0.41
Russia	3	5,419,836	1,806,612	1,266,235	70.1	0.59
Germany	5	4,777,413	955,483	527,143	55.2	0.35
Ghana	5	4,181,127	836,225	738,792	88.3	0.35

Figure 13: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, 2004-2008



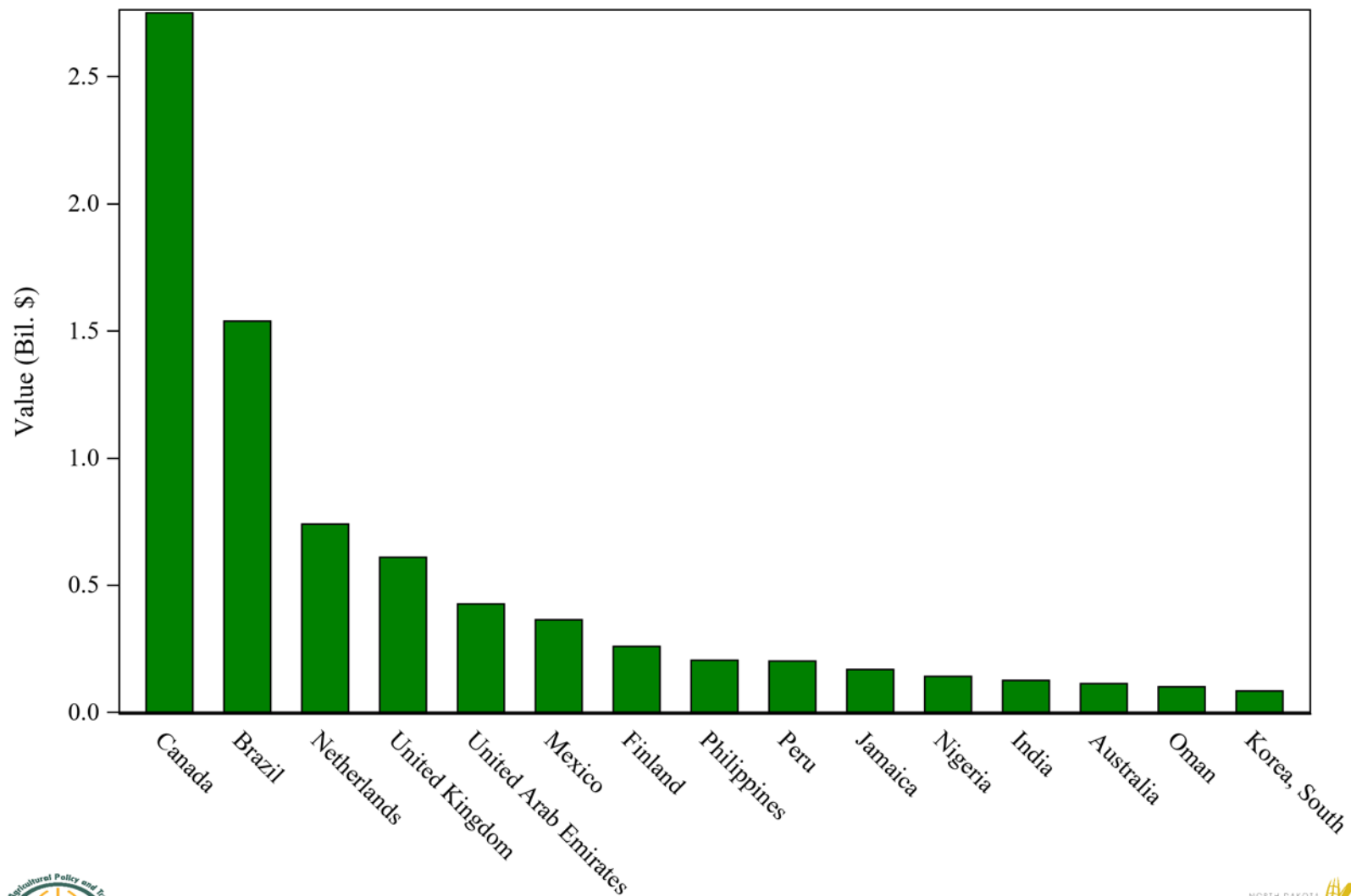
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Table 11: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	5	801,202,977	160,240,595	139,502,495	87.1	29.8
Netherlands	5	108,925,221	21,785,044	18,044,838	82.8	4.33
Mexico	5	70,003,408	14,000,682	4,123,953	29.5	4.61
Australia	5	44,899,438	8,979,888	2,209,421	24.6	2.69
United Kingdom	5	37,608,277	7,521,655	9,530,593	127	1.52
Germany	5	10,708,680	2,141,736	689,452	32.2	0.65
Ireland	5	8,675,338	1,735,068	1,940,017	112	0.59
France	5	7,324,506	1,464,901	2,279,188	156	0.52
India	5	7,231,696	1,446,339	2,739,435	189	0.50
South Africa	5	6,258,139	1,251,628	1,041,444	83.2	0.43
Estonia	3	5,556,370	1,852,123	709,079	38.3	0.35
Korea, South	5	5,152,040	1,030,408	438,868	42.6	0.29
Japan	5	4,903,091	980,618	683,655	69.7	0.36
Belgium	5	3,843,814	768,763	234,736	30.5	0.22
Spain	5	3,396,783	679,357	576,876	84.9	0.23

Figure 14: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, 2009-2013



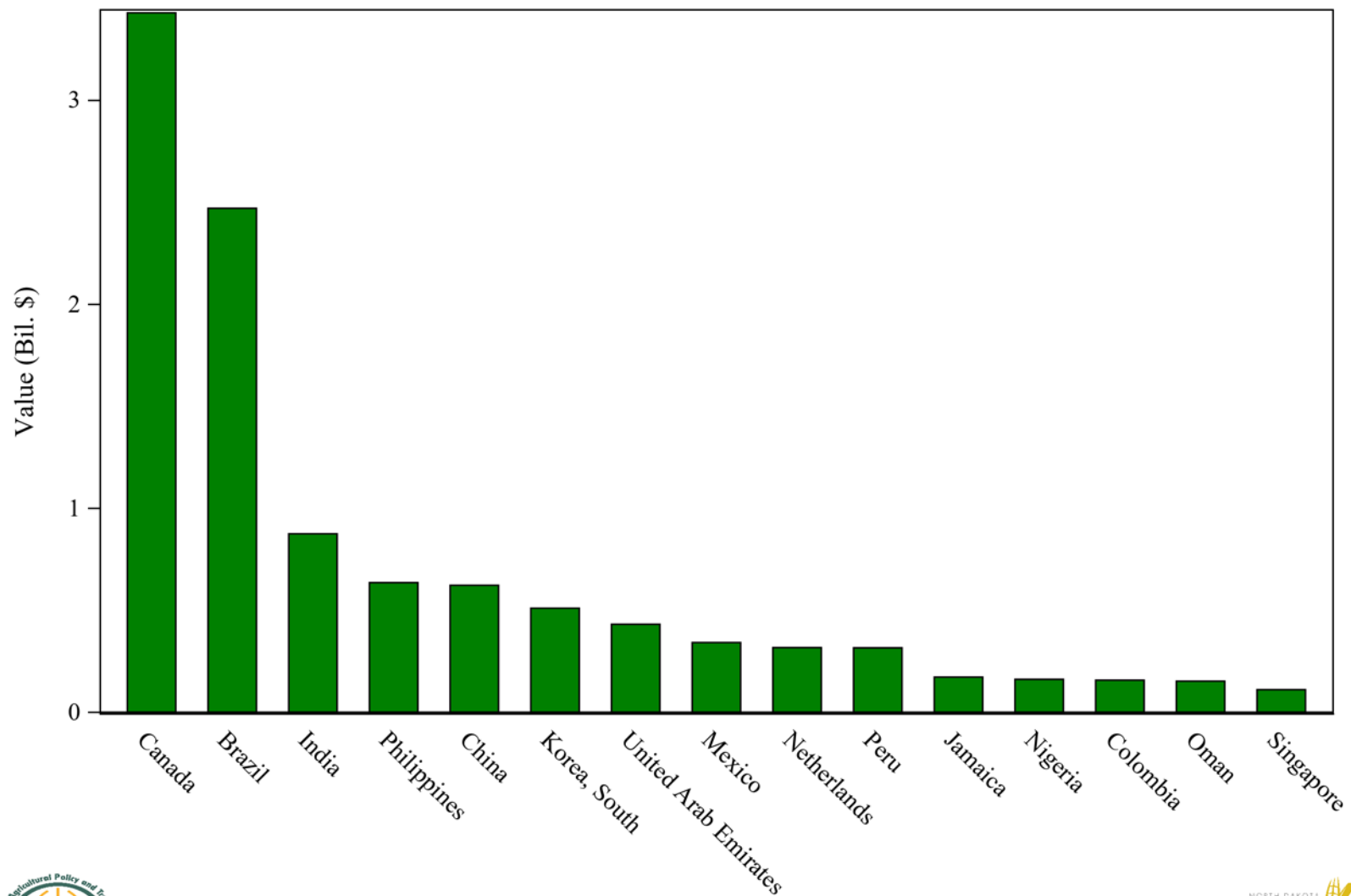
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Table 12: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	5	2,750,661,059	550,132,212	306,477,265	55.7	19.4
Brazil	5	1,538,101,001	307,620,200	467,682,770	152	5.97
Netherlands	5	739,797,089	147,959,418	134,525,951	90.9	5.09
United Kingdom	5	609,194,595	121,838,919	142,189,543	117	2.85
United Arab Emirates	5	425,791,423	85,158,285	50,984,058	59.9	3.42
Mexico	5	363,585,271	72,717,054	43,746,651	60.2	2.31
Finland	5	258,783,420	51,756,684	54,427,028	105	1.23
Philippines	5	204,445,009	40,889,002	54,779,292	134	1.22
Peru	5	201,111,424	40,222,285	40,575,304	101	1.04
Jamaica	5	167,987,624	33,597,525	13,951,053	41.5	1.39
Nigeria	5	141,032,413	28,206,483	23,625,537	83.8	0.98
India	5	125,098,215	25,019,643	25,999,660	104	0.99
Australia	5	112,342,502	22,468,500	18,272,455	81.3	1.08
Oman	3	100,108,306	33,369,435	34,465,039	103	0.74
Korea, South	5	83,381,868	16,676,374	12,738,943	76.4	0.51

Figure 15: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, 2014-2018



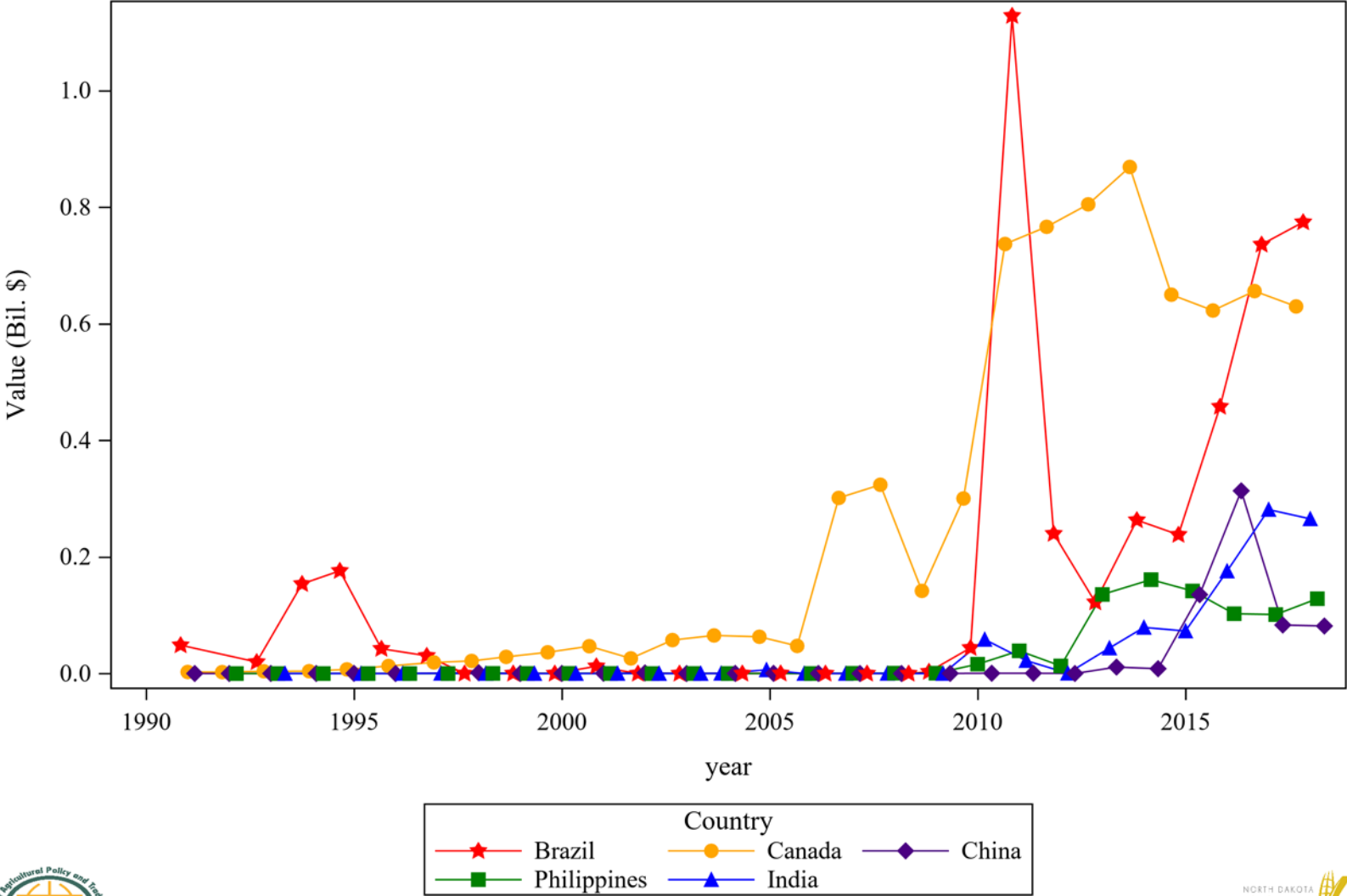
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Table 13: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	5	3,428,008,401	685,601,680	103,510,642	15.1	15.6
Brazil	5	2,469,985,403	493,997,081	253,598,398	51.3	10.5
India	5	874,706,578	174,941,316	98,829,141	56.5	3.70
Philippines	5	635,173,179	127,034,636	25,699,229	20.2	2.91
China	5	622,028,955	124,405,791	114,969,215	92.4	2.91
Korea, South	5	509,787,259	101,957,452	23,063,030	22.6	2.29
United Arab Emirates	5	431,018,910	86,203,782	57,405,749	66.6	1.92
Mexico	5	341,457,308	68,291,462	7,991,398	11.7	1.56
Netherlands	5	316,783,799	63,356,760	33,696,299	53.2	1.39
Peru	5	315,589,163	63,117,833	13,563,630	21.5	1.41
Jamaica	5	172,192,384	34,438,477	10,685,856	31.0	0.78
Nigeria	5	161,122,239	32,224,448	12,999,478	40.3	0.70
Colombia	5	157,177,595	31,435,519	34,433,206	110	0.62
Oman	4	152,225,362	38,056,341	13,980,379	36.7	0.87
Singapore	5	110,400,619	22,080,124	3,291,802	14.9	0.49

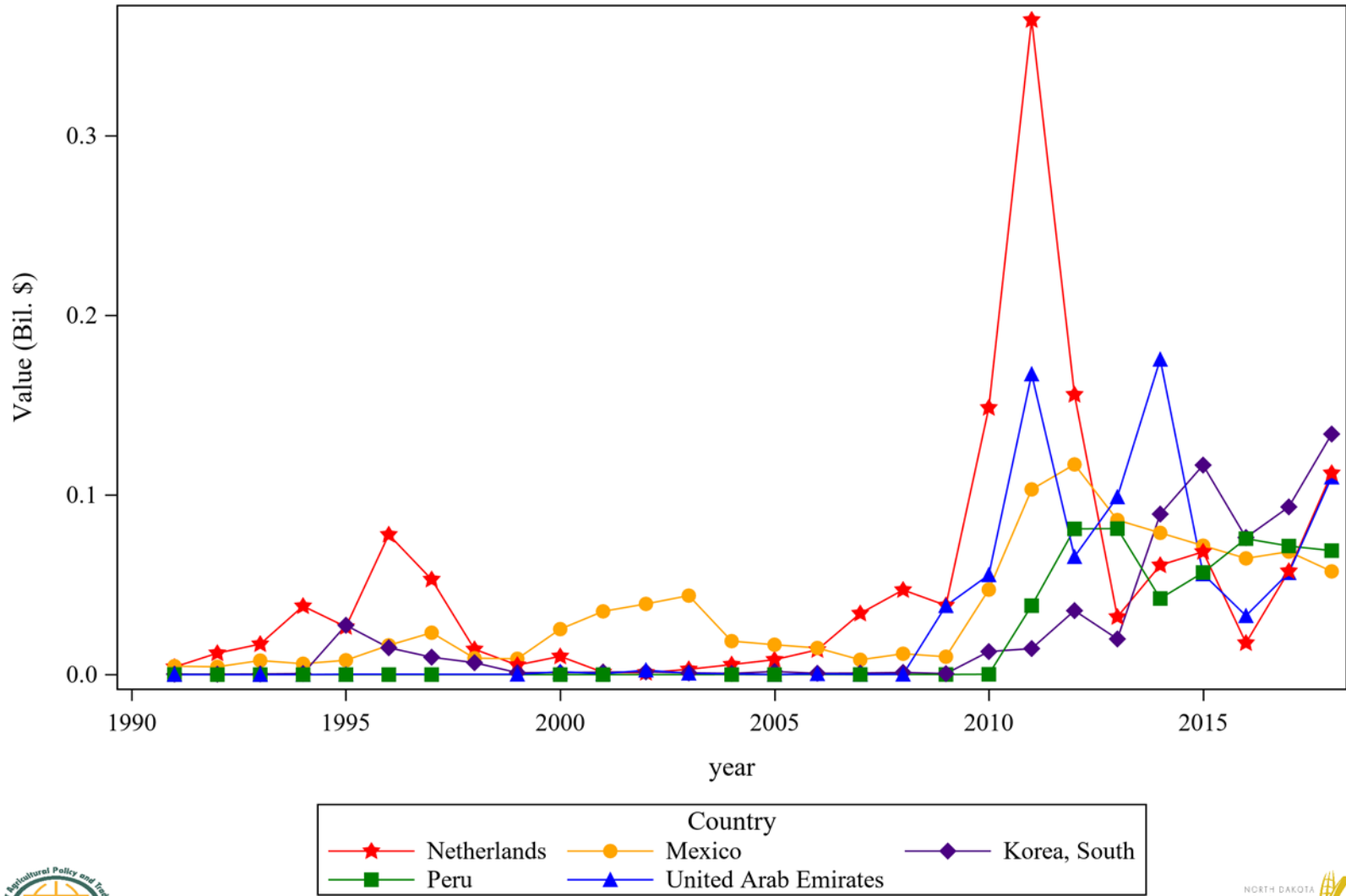
Figure 16: U.S. Corn Ethyl Alcohol Export Value to Top 5 Countries, Annual Trends



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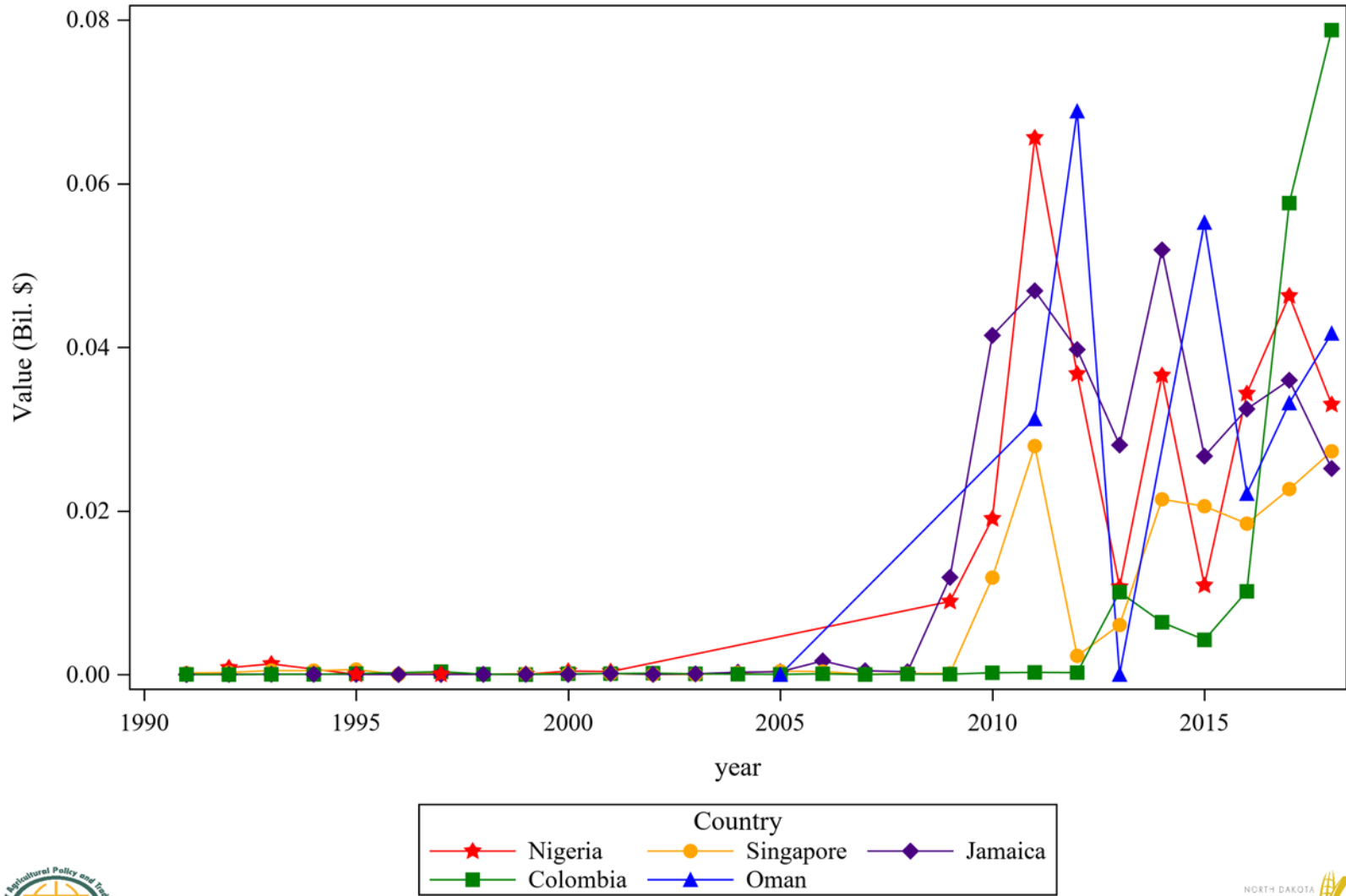
Figure 17: U.S. Corn Ethyl Alcohol Export Value to Top 6 to 10 Countries, Annual Trends



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Figure 18: U.S. Corn Ethyl Alcohol Export Value to Top 11 to 15 Countries, Annual Trends



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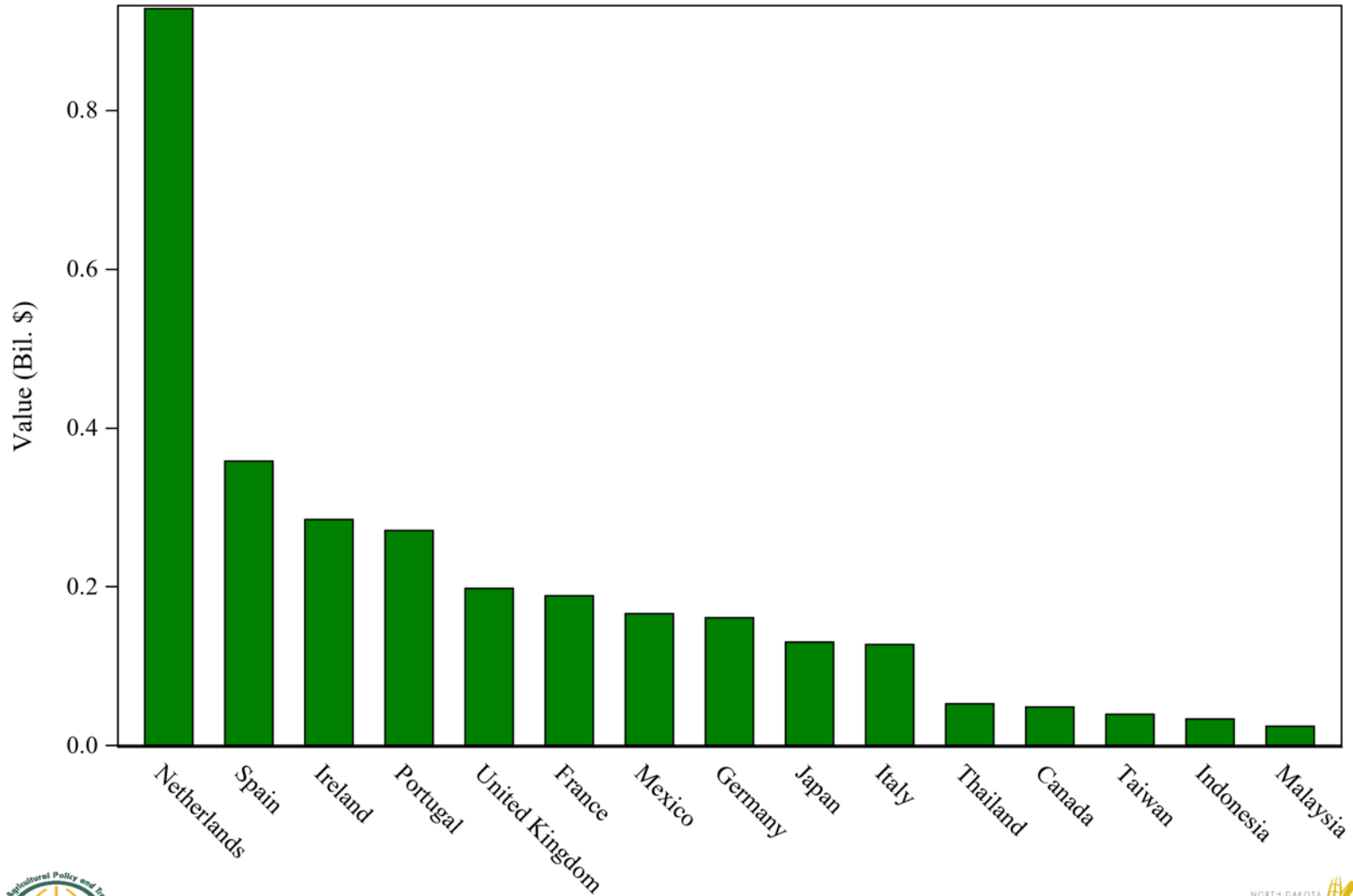


Table 14: U.S. Corn Ethyl Alcohol Export Value to Top 15 Countries, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
Canada	300,355,205	736,981,275	766,440,031	804,999,482	869,123,613	649,993,333	622,865,754	656,168,547	629,857,154
Brazil	44,097,122	1,128,518,853	239,940,704	122,387,774	263,269,824	238,205,319	457,931,971	736,101,643	774,476,646
India	58,529,891	22,173,513	525,818	43,773,778	79,202,622	72,972,826	175,783,514	281,333,258	265,414,358
Philippines	16,102,653	38,996,610	13,085,167	135,687,340	161,155,341	141,723,636	102,660,487	101,230,747	128,402,968
China	509,050	521,637	141,644	11,108,431	8,326,961	135,382,619	313,481,599	83,265,824	81,571,952
Korea, South	12,843,085	14,502,565	35,635,121	19,854,471	89,400,716	116,677,886	76,350,337	93,397,033	133,961,287
United Arab Emirates	55,520,740	167,351,523	65,647,703	98,940,279	175,548,935	56,044,938	32,770,445	56,701,198	109,953,394
Mexico	47,331,094	103,156,295	117,059,117	86,084,557	78,947,522	71,802,173	64,728,731	68,496,581	57,482,301
Netherlands	148,609,952	364,612,016	155,897,283	32,145,875	60,933,400	68,402,476	17,625,335	57,617,785	112,204,803
Peru	170,424	38,381,010	81,164,612	81,324,978	42,368,899	56,842,025	75,711,270	71,609,860	69,057,109
Jamaica	41,445,491	46,897,230	39,717,892	28,051,240	51,896,677	26,692,767	32,453,481	35,967,688	25,181,771
Nigeria	19,052,011	65,598,865	36,744,702	10,692,011	36,562,396	10,910,142	34,349,897	46,284,509	33,015,295
Colombia	225,849	271,151	241,874	10,079,782	6,393,651	4,246,287	10,172,729	57,612,435	78,752,493
Oman	.	31,249,404	68,845,552	13,350	.	55,236,320	22,113,952	33,178,688	41,696,402
Singapore	11,854,248	27,933,704	2,292,452	6,060,210	21,422,797	20,575,051	18,446,450	22,671,029	27,285,292

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Figure 19: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, 1989-1993



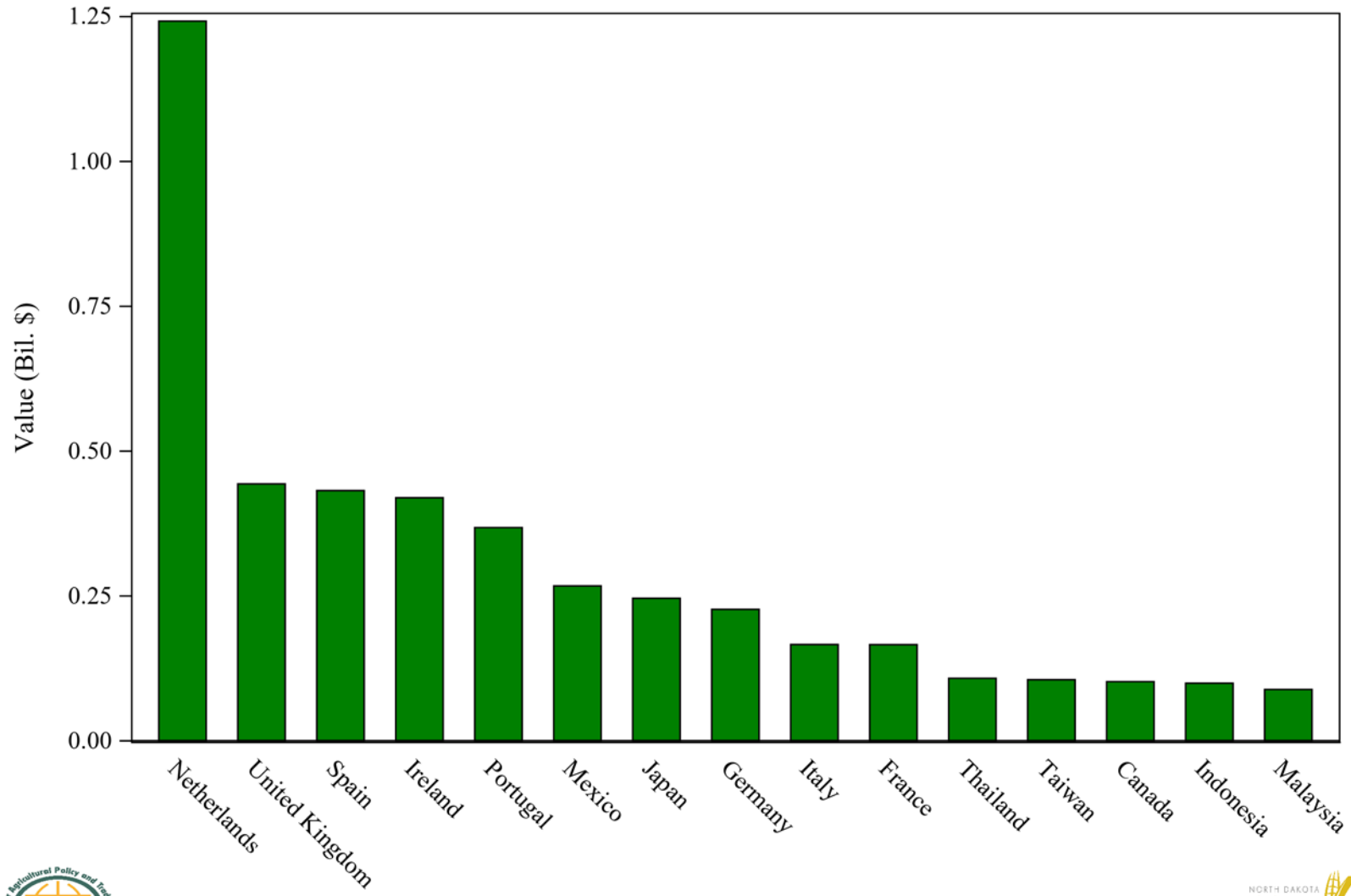
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Table 15: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, Descriptive Statistics for 1989-1993

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Netherlands	3	928,074,792	309,358,264	23,005,641	7.4	15.0
Spain	3	358,031,792	119,343,931	10,196,070	8.5	5.79
Ireland	3	284,508,032	94,836,011	9,721,035	10.3	4.60
Portugal	3	270,667,520	90,222,507	9,059,369	10.0	4.38
United Kingdom	3	197,722,660	65,907,553	20,652,932	31.3	3.18
France	3	188,395,839	62,798,613	11,710,512	18.6	3.07
Mexico	3	165,888,574	55,296,191	10,853,529	19.6	2.67
Germany	3	160,709,139	53,569,713	10,029,679	18.7	2.59
Japan	3	130,010,631	43,336,877	19,757,489	45.6	2.09
Italy	3	126,976,183	42,325,394	17,500,393	41.3	2.08
Thailand	3	52,261,134	17,420,378	6,278,640	36.0	0.84
Canada	3	48,192,083	16,064,028	1,444,575	9.0	0.78
Taiwan	3	39,096,040	13,032,013	1,056,624	8.1	0.63
Indonesia	3	33,142,287	11,047,429	3,638,584	32.9	0.53
Malaysia	3	23,976,702	7,992,234	712,168	8.9	0.39

Figure 20: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, 1994-1998



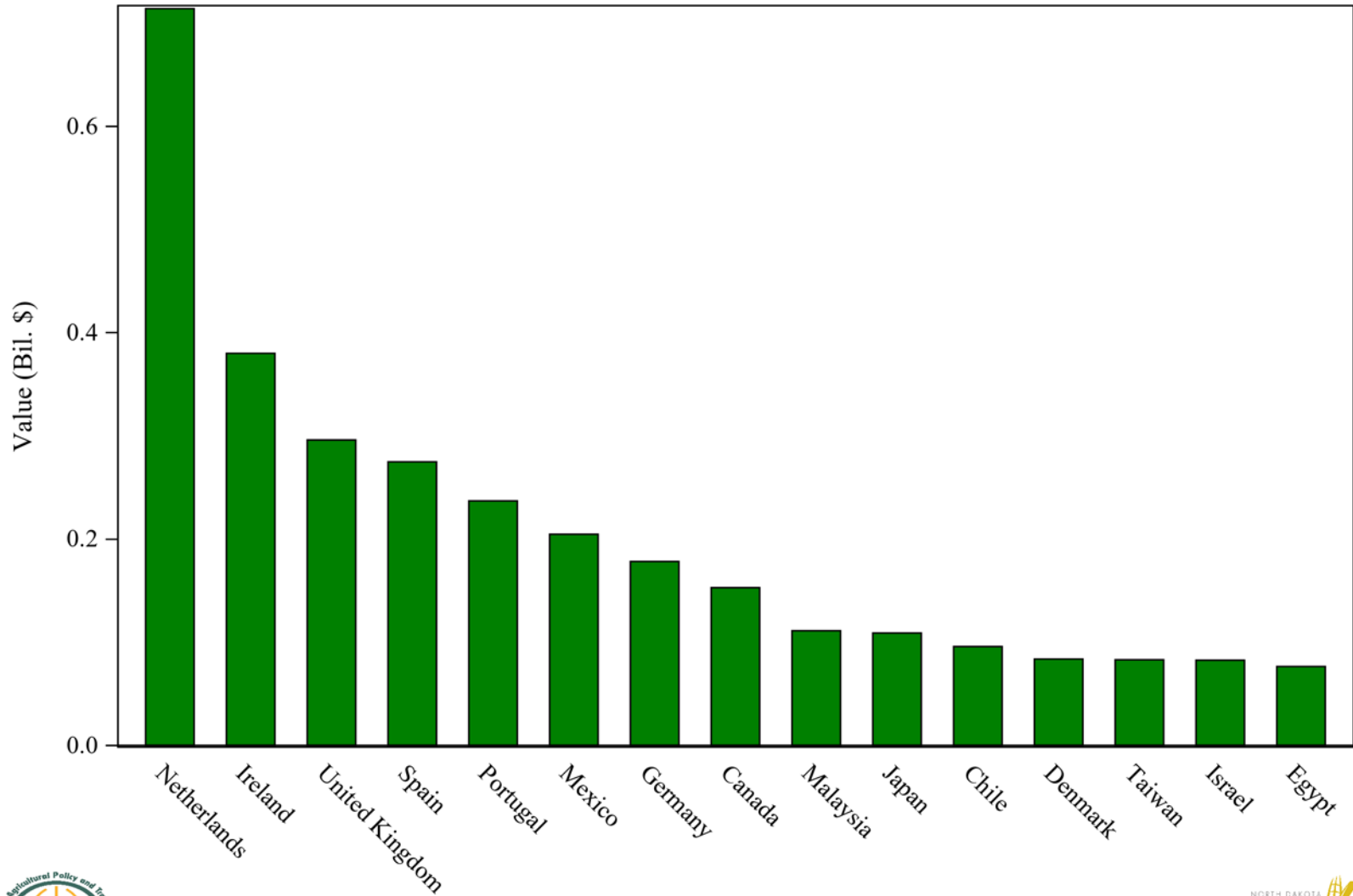
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Table 16: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Netherlands	5	1,241,710,652	248,342,130	43,018,283	17.3	12.9
United Kingdom	5	443,109,177	88,621,835	13,210,580	14.9	4.62
Spain	5	431,583,220	86,316,644	20,466,630	23.7	4.47
Ireland	5	419,272,468	83,854,494	23,806,512	28.4	4.35
Portugal	5	367,742,465	73,548,493	9,866,837	13.4	3.83
Mexico	5	267,065,394	53,413,079	5,968,663	11.2	2.84
Japan	5	245,719,456	49,143,891	14,375,239	29.3	2.58
Germany	5	226,656,045	45,331,209	4,461,489	9.8	2.39
Italy	5	165,954,501	33,190,900	13,321,494	40.1	1.68
France	5	165,706,347	33,141,269	13,211,371	39.9	1.68
Thailand	5	107,650,340	21,530,068	10,853,046	50.4	1.08
Taiwan	5	105,171,418	21,034,284	2,709,584	12.9	1.10
Canada	5	101,864,818	20,372,964	6,005,800	29.5	1.09
Indonesia	5	99,221,660	19,844,332	11,903,571	60.0	1.01
Malaysia	5	88,373,825	17,674,765	6,098,949	34.5	0.93

Figure 21: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, 1999-2003



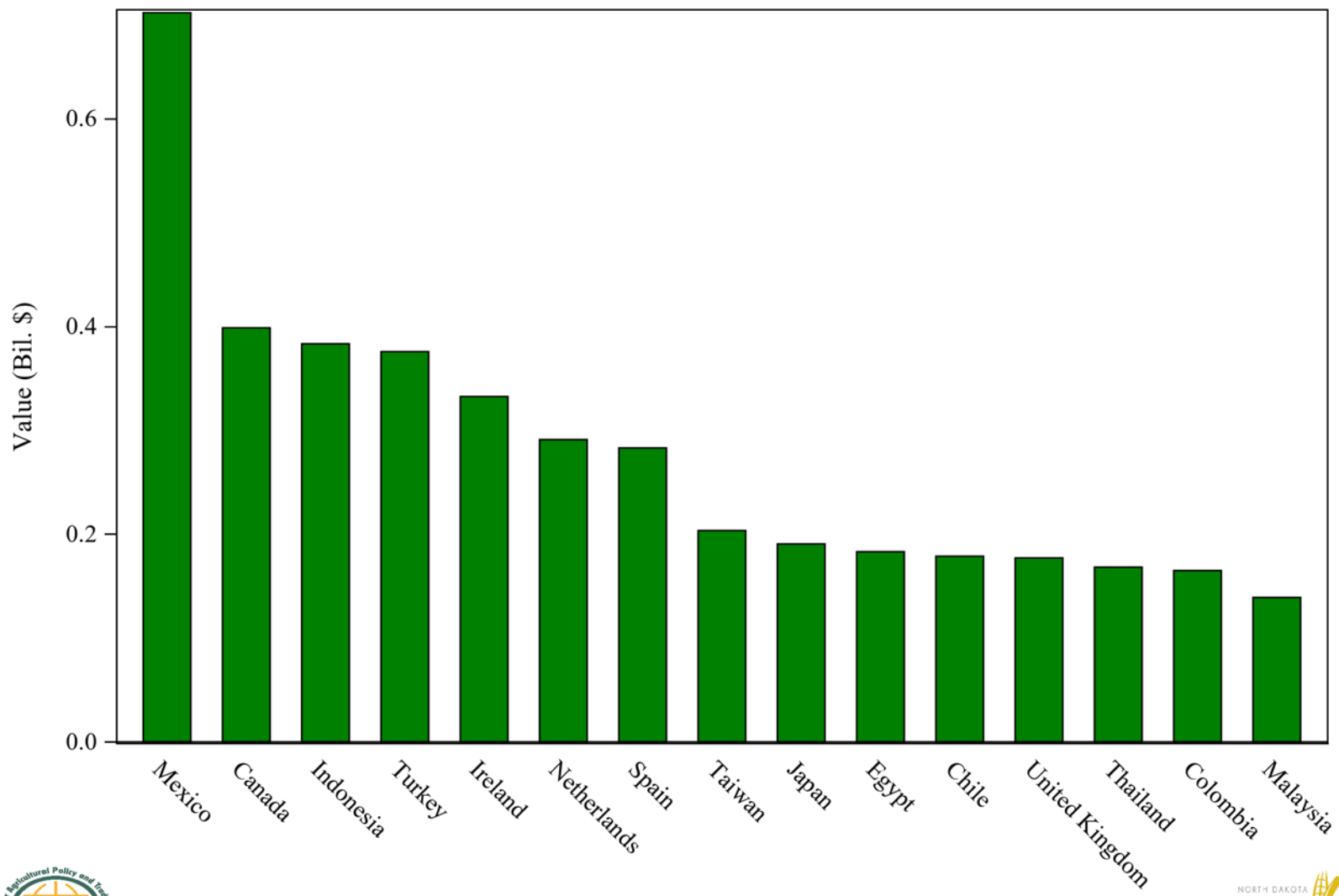
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Table 17: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Netherlands	5	713,907,036	142,781,407	15,792,950	11.1	10.4
Ireland	5	379,840,531	75,968,106	8,395,513	11.1	5.54
United Kingdom	5	295,918,964	59,183,793	10,326,932	17.4	4.31
Spain	5	274,704,959	54,940,992	7,854,504	14.3	4.02
Portugal	5	236,854,119	47,370,824	3,777,468	8.0	3.46
Mexico	5	204,555,064	40,911,013	3,989,131	9.8	2.98
Germany	5	178,165,136	35,633,027	6,451,744	18.1	2.60
Canada	5	152,807,165	30,561,433	7,468,260	24.4	2.23
Malaysia	5	111,020,660	22,204,132	4,570,258	20.6	1.62
Japan	5	108,837,867	21,767,573	5,201,428	23.9	1.59
Chile	5	95,726,080	19,145,216	6,966,263	36.4	1.39
Denmark	5	83,586,036	16,717,207	1,854,982	11.1	1.22
Taiwan	5	82,900,056	16,580,011	2,314,311	14.0	1.21
Israel	5	82,475,614	16,495,123	5,313,343	32.2	1.21
Egypt	5	76,410,465	15,282,093	5,561,981	36.4	1.11

Figure 22: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, 2004-2008



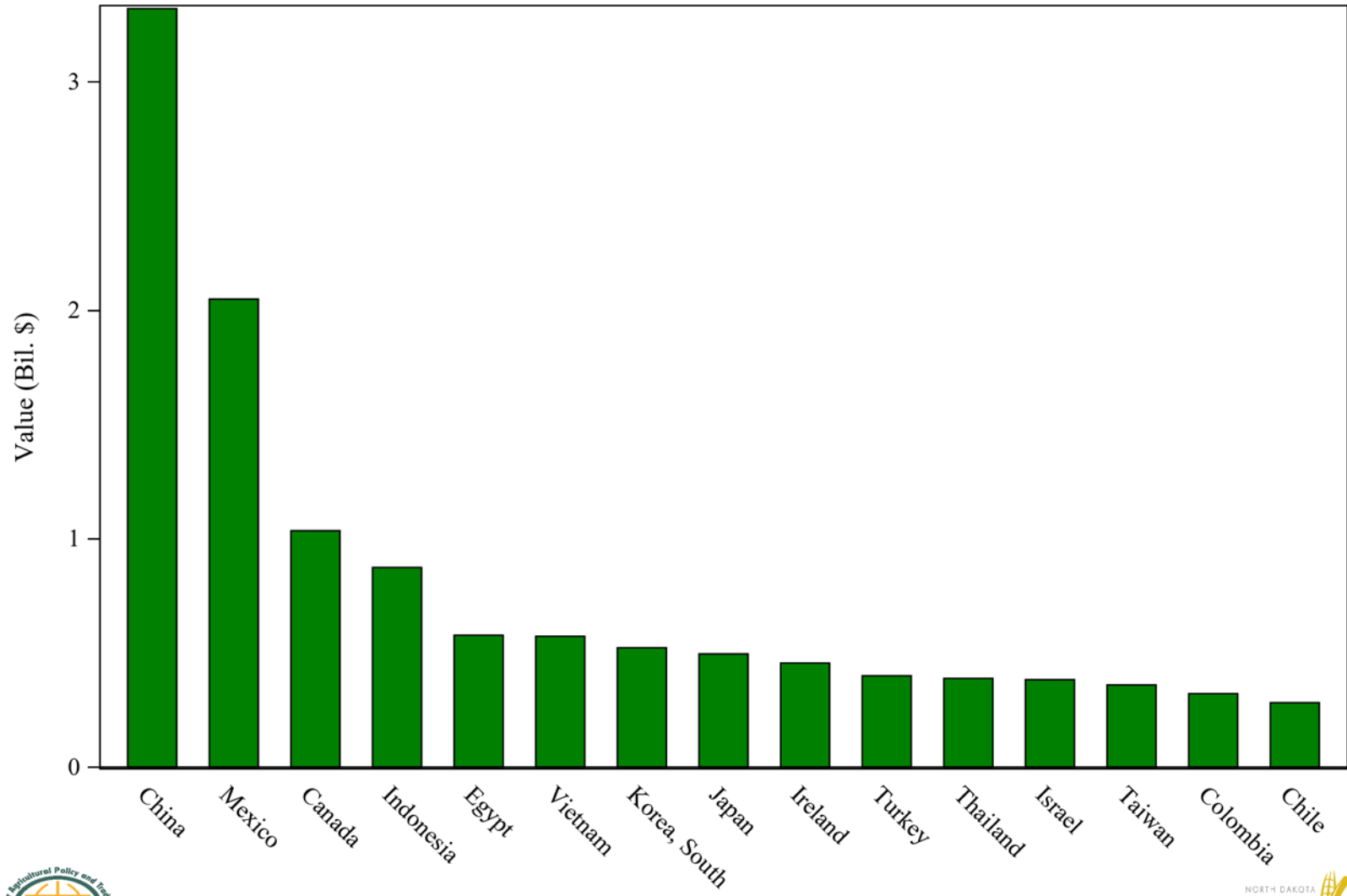
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Table 18: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	701,991,684	140,398,337	101,658,787	72.4	6.46
Canada	5	398,611,339	79,722,268	63,419,237	79.6	3.60
Indonesia	5	383,241,634	76,648,327	34,649,827	45.2	3.83
Turkey	5	375,650,331	75,130,066	96,822,929	129	2.86
Ireland	5	332,438,920	66,487,784	13,317,693	20.0	3.76
Netherlands	5	290,990,098	58,198,020	41,978,967	72.1	3.79
Spain	5	282,981,660	56,596,332	27,314,872	48.3	3.58
Taiwan	5	203,448,385	40,689,677	16,634,532	40.9	2.07
Japan	5	190,498,908	38,099,782	29,825,433	78.3	1.74
Egypt	5	183,052,903	36,610,581	22,016,960	60.1	1.76
Chile	5	178,754,484	35,750,897	18,649,617	52.2	1.76
United Kingdom	5	177,084,507	35,416,901	20,983,036	59.2	2.29
Thailand	5	168,169,882	33,633,976	26,204,964	77.9	1.55
Colombia	5	164,906,931	32,981,386	29,285,966	88.8	1.44
Malaysia	5	138,972,525	27,794,505	5,592,598	20.1	1.49

Figure 23: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, 2009-2013



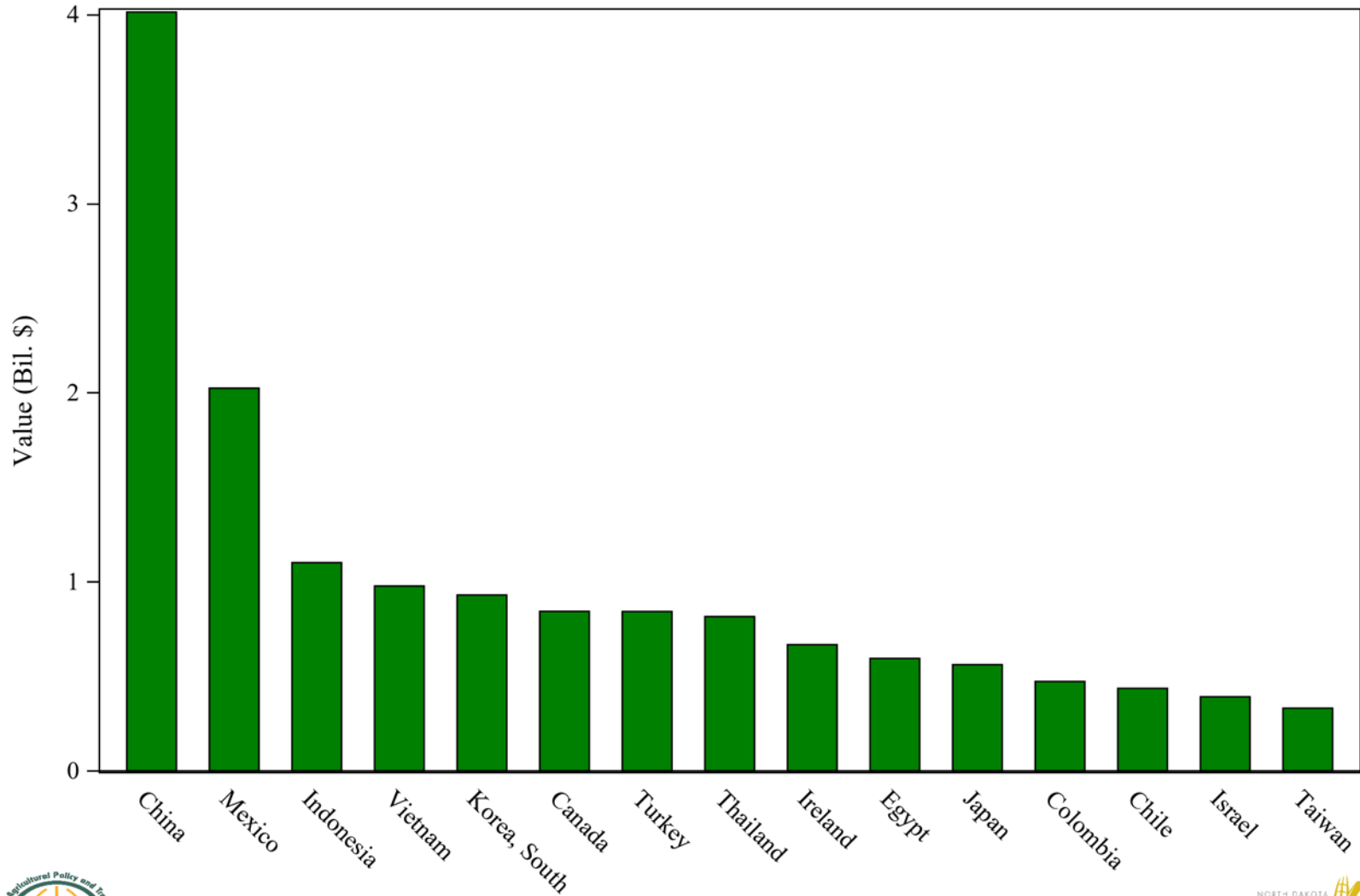
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Table 19: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
China	5	3,320,158,539	664,031,708	532,519,256	80.2	10.7
Mexico	5	2,048,555,950	409,711,190	93,556,470	22.8	7.83
Canada	5	1,034,539,151	206,907,830	20,647,390	10.0	4.08
Indonesia	5	873,673,650	174,734,730	62,095,874	35.5	3.21
Egypt	5	577,042,575	115,408,515	19,629,222	17.0	2.21
Vietnam	5	572,515,510	114,503,102	37,019,489	32.3	2.09
Korea, South	5	522,098,268	104,419,654	28,179,853	27.0	1.95
Japan	5	495,236,028	99,047,206	36,717,265	37.1	1.83
Ireland	5	455,269,272	91,053,854	40,363,884	44.3	1.62
Turkey	5	399,484,318	79,896,864	42,257,726	52.9	1.56
Thailand	5	388,390,830	77,678,166	17,716,338	22.8	1.49
Israel	5	382,499,829	76,499,966	29,482,463	38.5	1.40
Taiwan	5	359,402,506	71,880,501	19,927,181	27.7	1.36
Colombia	5	321,503,402	64,300,680	22,923,474	35.7	1.18
Chile	5	281,589,938	56,317,988	24,291,350	43.1	1.00

Figure 24: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, 2014-2018



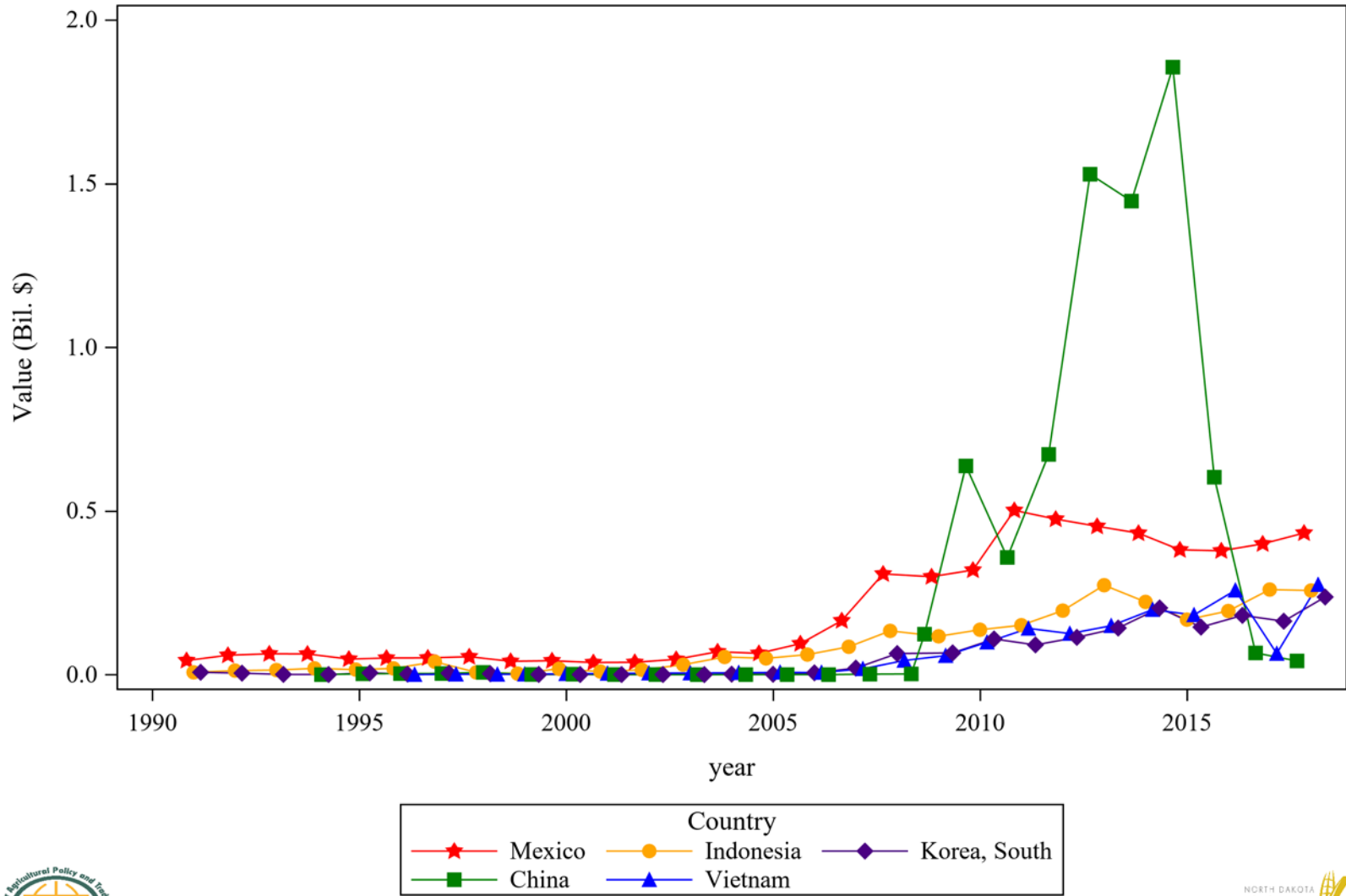
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Table 20: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
China	5	4,013,386,031	802,677,206	819,205,889	102	10.5
Mexico	5	2,023,750,667	404,750,133	26,484,358	6.5	6.16
Indonesia	5	1,101,087,312	220,217,462	39,728,622	18.0	3.42
Vietnam	5	977,420,670	195,484,134	82,982,658	42.4	2.90
Korea, South	5	929,803,572	185,960,714	35,827,976	19.3	2.83
Canada	5	843,461,728	168,692,346	17,539,527	10.4	2.58
Turkey	5	842,588,591	168,517,718	78,367,367	46.5	2.74
Thailand	5	815,856,140	163,171,228	38,893,008	23.8	2.53
Ireland	5	667,145,040	133,429,008	38,864,450	29.1	2.02
Egypt	5	594,385,752	118,877,150	36,994,156	31.1	1.72
Japan	5	561,457,831	112,291,566	47,723,915	42.5	1.66
Colombia	5	472,446,837	94,489,367	8,174,793	8.7	1.44
Chile	5	436,277,271	87,255,454	25,889,471	29.7	1.30
Israel	5	391,455,894	78,291,179	20,600,560	26.3	1.19
Taiwan	5	331,462,078	66,292,416	9,764,244	14.7	1.00

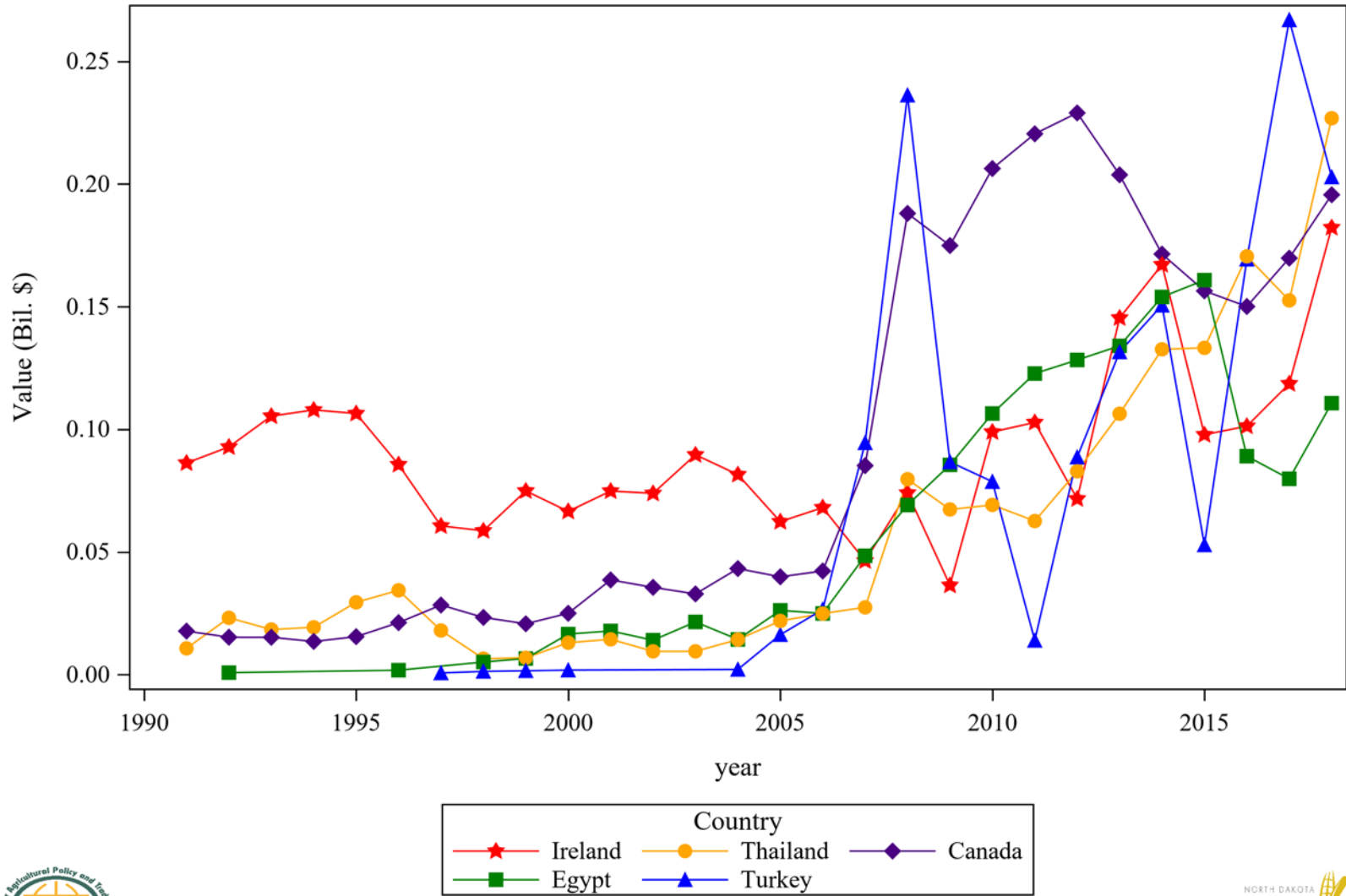
Figure 25: U.S. Corn Residue (BWC) Export Value to Top 5 Countries, Annual Trends



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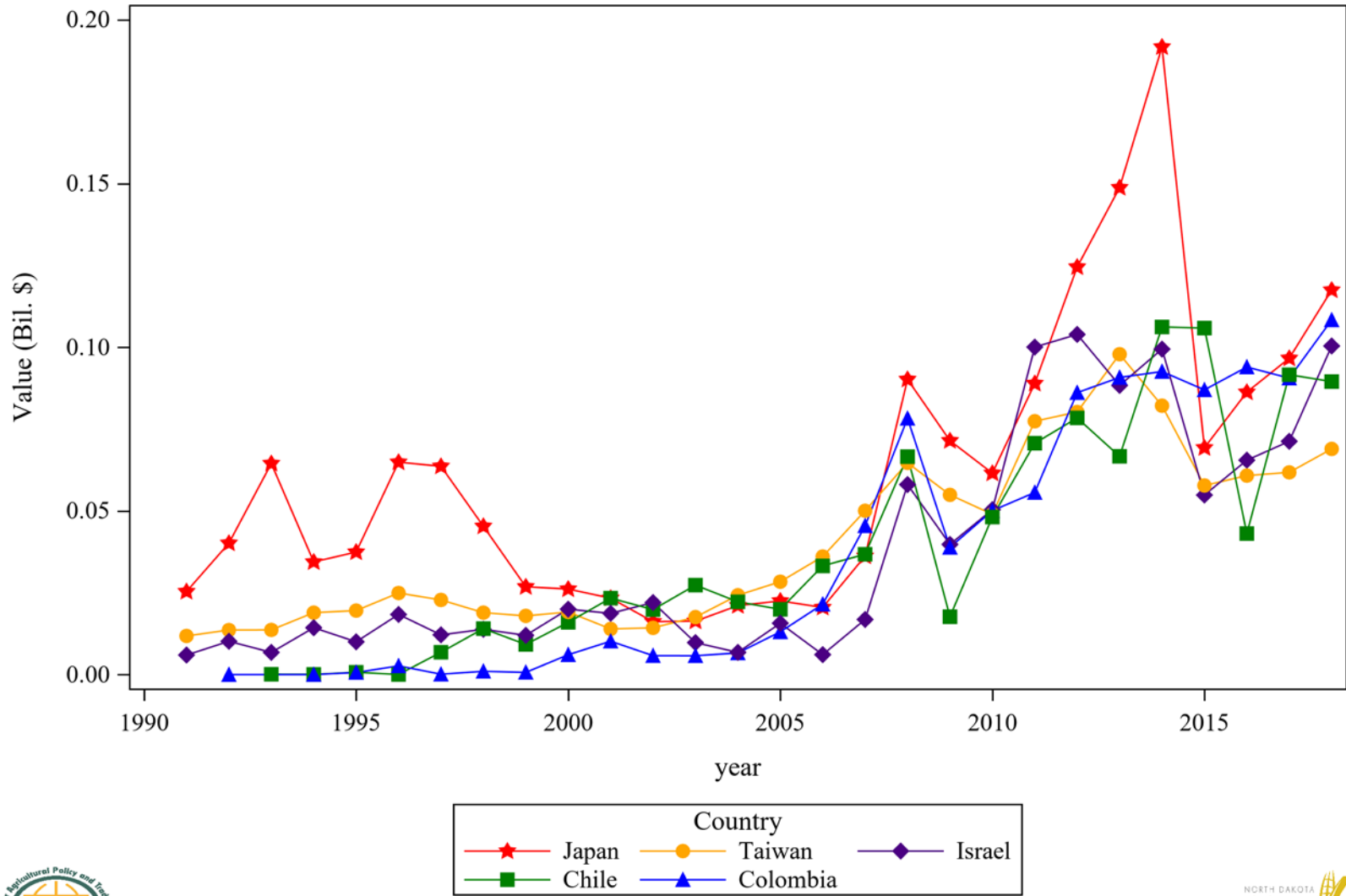
Figure 26: U.S. Corn Residue (BWC) Export Value to Top 6 to 10 Countries, Annual Trends



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Figure 27: U.S. Corn Residue (BWC) Export Value to Top 11 to 15 Countries, Annual Trends



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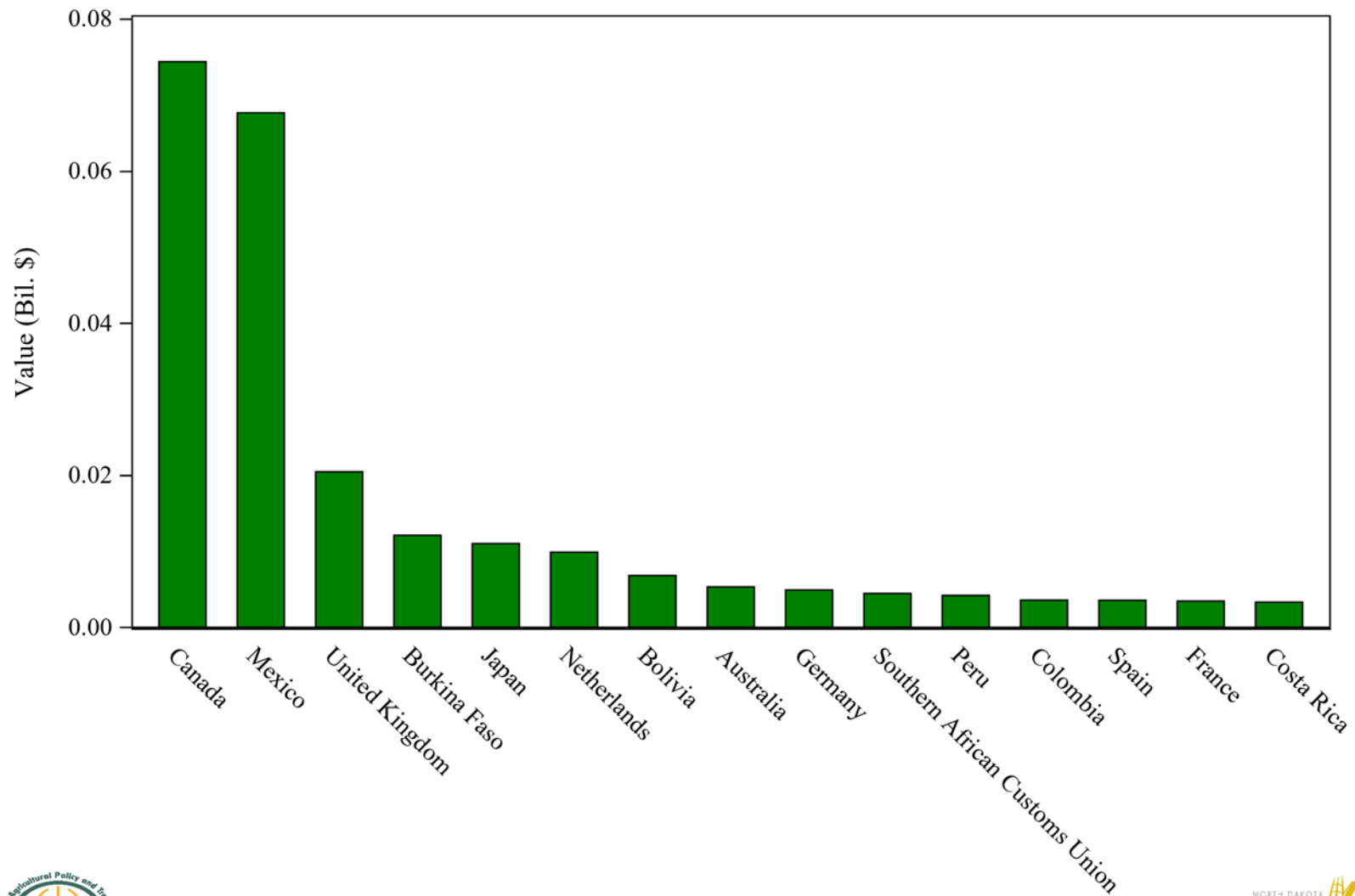


Table 21: U.S. Corn Residue (BWC) Export Value to Top 15 Countries, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
China	637,394,700	357,905,761	672,781,464	1,528,646,154	1,446,489,609	1,855,662,587	603,242,156	66,214,979	41,776,700
Mexico	319,466,636	501,718,765	475,101,690	453,176,833	432,130,524	381,248,343	378,282,480	399,491,780	432,597,540
Indonesia	137,064,693	150,895,270	195,541,893	273,108,204	222,081,505	167,950,308	194,380,582	259,805,623	256,869,294
Vietnam	98,711,563	141,209,208	125,353,461	149,252,838	198,467,210	182,171,947	257,706,713	64,322,720	274,752,080
Korea, South	108,891,747	90,765,605	113,823,789	142,265,917	203,454,495	145,130,550	180,897,299	163,197,604	237,123,624
Canada	206,332,279	220,485,813	229,009,269	203,777,261	171,463,311	156,457,869	150,095,371	169,806,775	195,638,402
Turkey	78,681,541	13,926,516	88,638,434	131,535,718	150,594,146	52,852,390	169,351,563	266,937,459	202,853,033
Thailand	69,189,174	62,622,264	82,883,504	106,360,327	132,644,380	133,234,612	170,535,589	152,581,962	226,859,597
Ireland	98,939,818	102,822,088	71,663,436	145,420,908	167,134,287	97,827,511	101,296,765	118,609,135	182,277,342
Egypt	106,443,665	122,759,516	128,280,403	134,046,370	153,978,043	160,843,705	89,045,010	79,840,965	110,678,029
Japan	61,530,158	88,939,185	124,526,439	148,775,776	191,748,726	69,293,411	86,290,325	96,640,118	117,485,251
Colombia	50,086,802	55,635,596	86,143,105	90,772,715	92,585,180	86,987,660	93,963,019	90,572,762	108,338,216
Chile	48,139,055	70,680,659	78,405,239	66,673,576	106,206,691	105,859,940	43,077,388	91,604,226	89,529,026
Israel	50,395,554	100,057,968	103,922,598	88,341,771	99,437,737	54,858,922	65,502,606	71,266,030	100,390,599
Taiwan	48,980,366	77,402,948	80,229,792	97,877,134	82,146,988	57,778,680	60,800,869	61,787,012	68,948,529

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Figure 28: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, 1989-1993



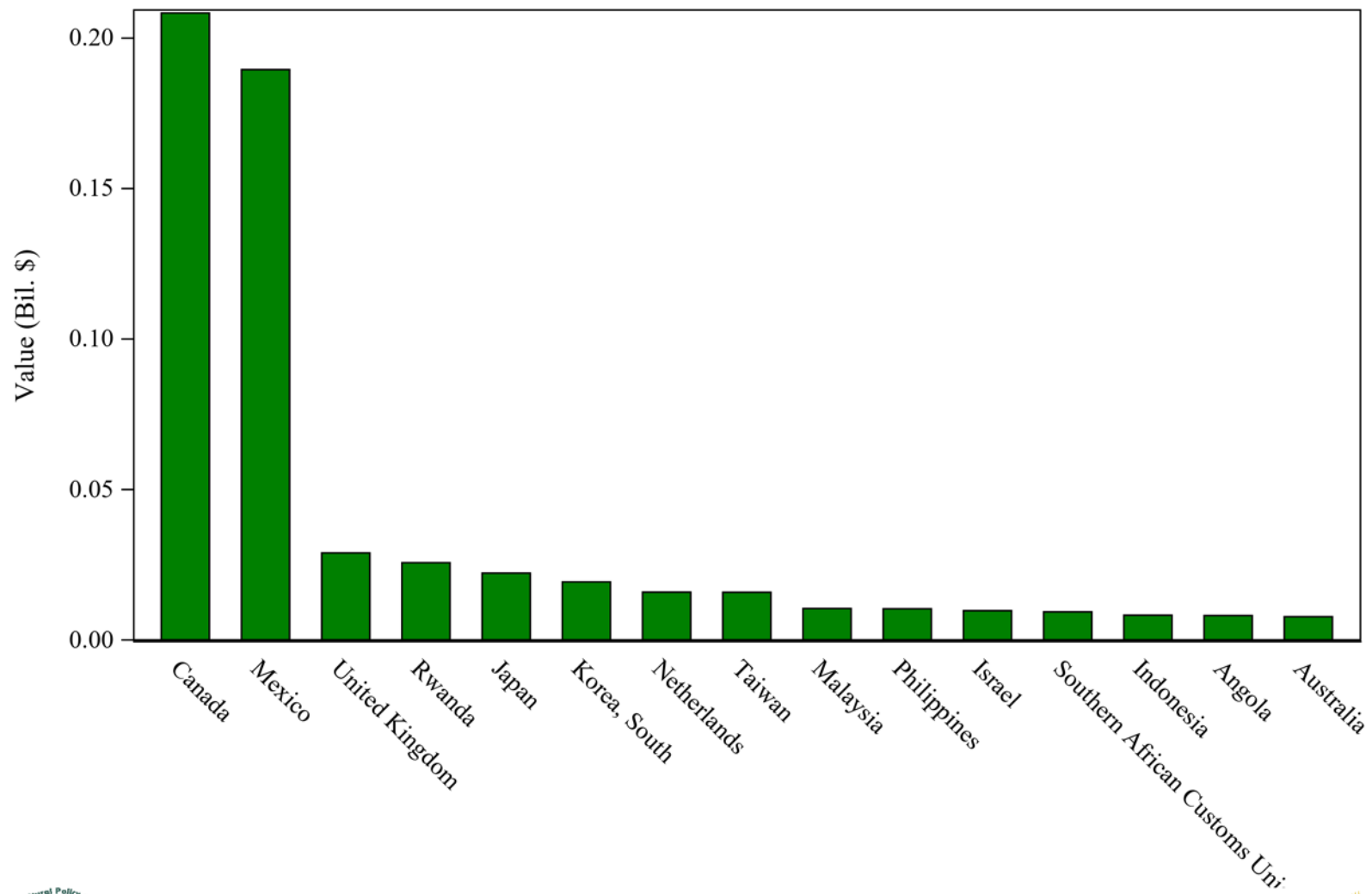
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Table 22: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, Descriptive Statistics for 1989-1993

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	3	74,372,393	24,790,798	1,639,528	6.6	12.3
Mexico	3	67,657,138	22,552,379	13,688,381	60.7	10.9
United Kingdom	3	20,455,868	6,818,623	977,529	14.3	3.37
Burkina Faso	3	12,111,206	4,037,069	1,473,042	36.5	2.03
Japan	3	11,013,077	3,671,026	609,778	16.6	1.84
Netherlands	3	9,882,841	3,294,280	2,187,316	66.4	1.66
Bolivia	3	6,811,627	2,270,542	1,222,040	53.8	1.15
Australia	3	5,319,274	1,773,091	24,408	1.4	0.88
Germany	3	4,907,280	1,635,760	220,329	13.5	0.82
Southern African Customs Union	3	4,455,380	1,485,127	739,194	49.8	0.74
Peru	3	4,194,285	1,398,095	448,136	32.1	0.69
Colombia	3	3,577,581	1,192,527	287,270	24.1	0.59
Spain	3	3,557,416	1,185,805	1,817,437	153	0.63
France	3	3,456,158	1,152,053	756,556	65.7	0.59
Costa Rica	3	3,308,715	1,102,905	45,150	4.1	0.55

Figure 29: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, 1994-1998



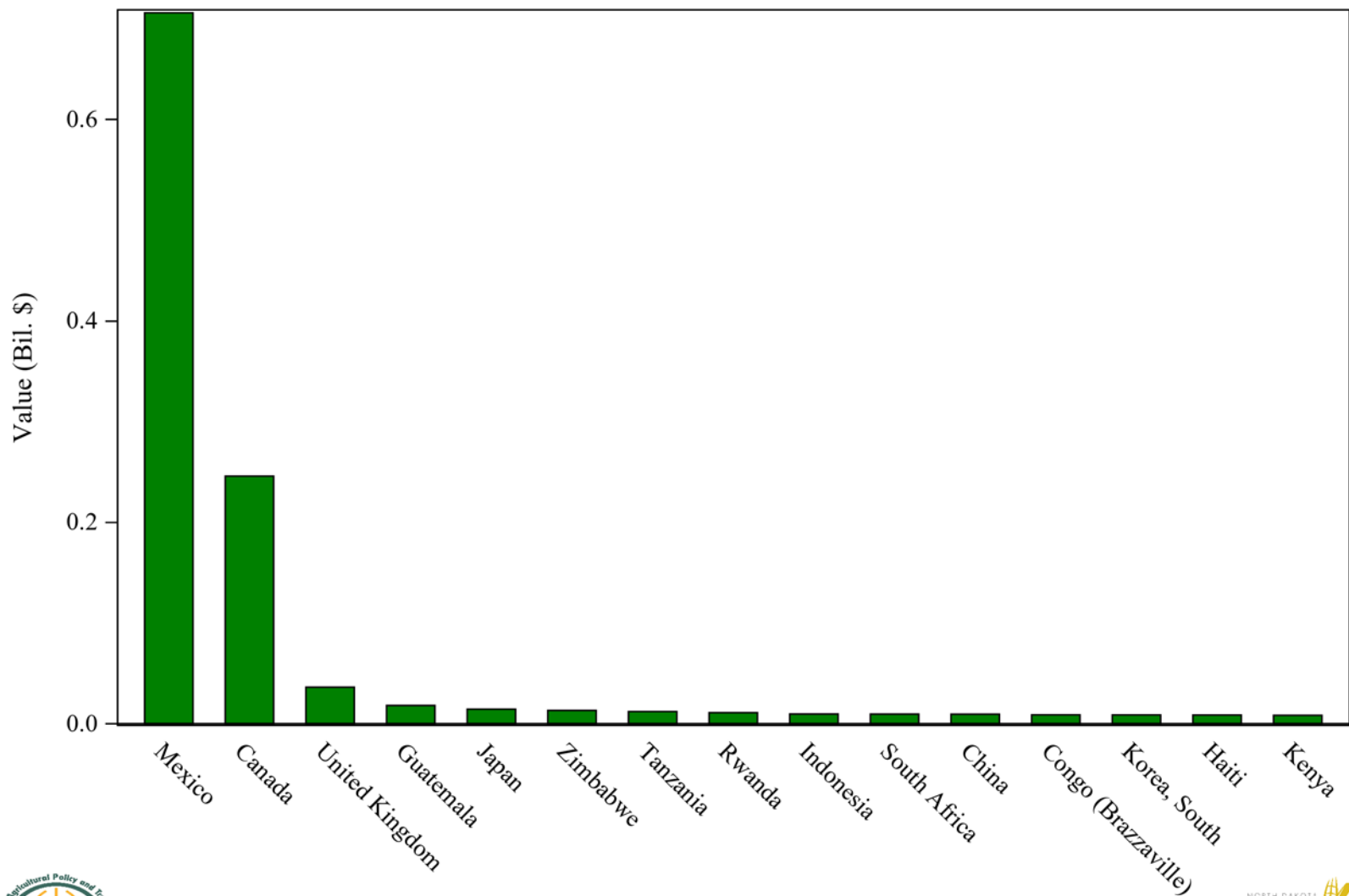
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Table 23: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	5	208,171,062	41,634,212	13,121,507	31.5	13.6
Mexico	5	189,394,461	37,878,892	6,534,663	17.3	12.7
United Kingdom	5	28,867,892	5,773,578	1,014,068	17.6	1.91
Rwanda	4	25,638,761	6,409,690	3,731,827	58.2	2.02
Japan	5	22,176,248	4,435,250	1,523,061	34.3	1.52
Korea, South	5	19,254,143	3,850,829	3,948,060	103	1.26
Netherlands	5	15,852,093	3,170,419	828,889	26.1	1.08
Taiwan	5	15,811,607	3,162,321	3,083,905	97.5	1.13
Malaysia	5	10,425,571	2,085,114	593,844	28.5	0.69
Philippines	5	10,321,267	2,064,253	1,367,279	66.2	0.68
Israel	5	9,713,636	1,942,727	509,336	26.2	0.65
Southern African Customs Union	5	9,307,158	1,861,432	1,290,560	69.3	0.64
Indonesia	5	8,188,958	1,637,792	1,065,269	65.0	0.55
Angola	4	8,069,441	2,017,360	1,447,783	71.8	0.66
Australia	5	7,703,872	1,540,774	625,665	40.6	0.53

Figure 30: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, 1999-2003



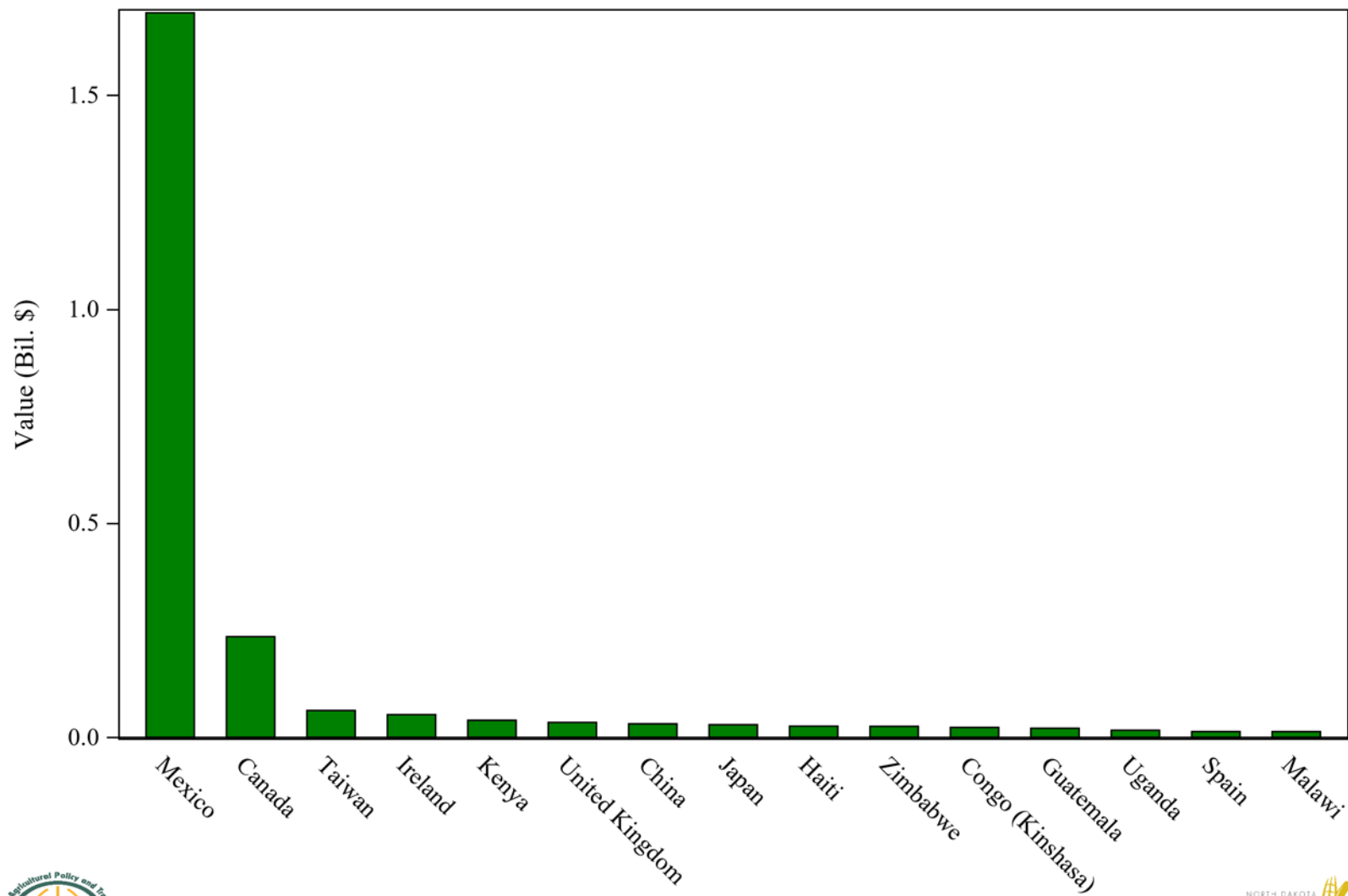
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Table 24: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	705,723,955	141,144,791	115,723,009	82.0	24.3
Canada	5	245,739,196	49,147,839	4,980,656	10.1	11.7
United Kingdom	5	36,161,384	7,232,277	897,939	12.4	1.72
Guatemala	5	18,011,054	3,602,211	2,820,590	78.3	0.79
Japan	5	14,291,550	2,858,310	1,060,636	37.1	0.62
Zimbabwe	3	13,076,409	4,358,803	4,068,809	93.3	0.67
Tanzania	4	11,967,413	2,991,853	3,874,812	130	0.62
Rwanda	5	10,852,493	2,170,499	1,908,127	87.9	0.64
Indonesia	5	9,497,693	1,899,539	2,072,277	109	0.51
South Africa	4	9,416,102	2,354,026	2,940,096	125	0.35
China	5	9,332,921	1,866,584	799,684	42.8	0.46
Congo (Brazzaville)	4	8,707,067	2,176,767	2,341,996	108	0.55
Korea, South	5	8,625,998	1,725,200	811,332	47.0	0.45
Haiti	5	8,502,805	1,700,561	364,170	21.4	0.38
Kenya	4	8,233,863	2,058,466	2,922,821	142	0.31

Figure 31: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, 2004-2008



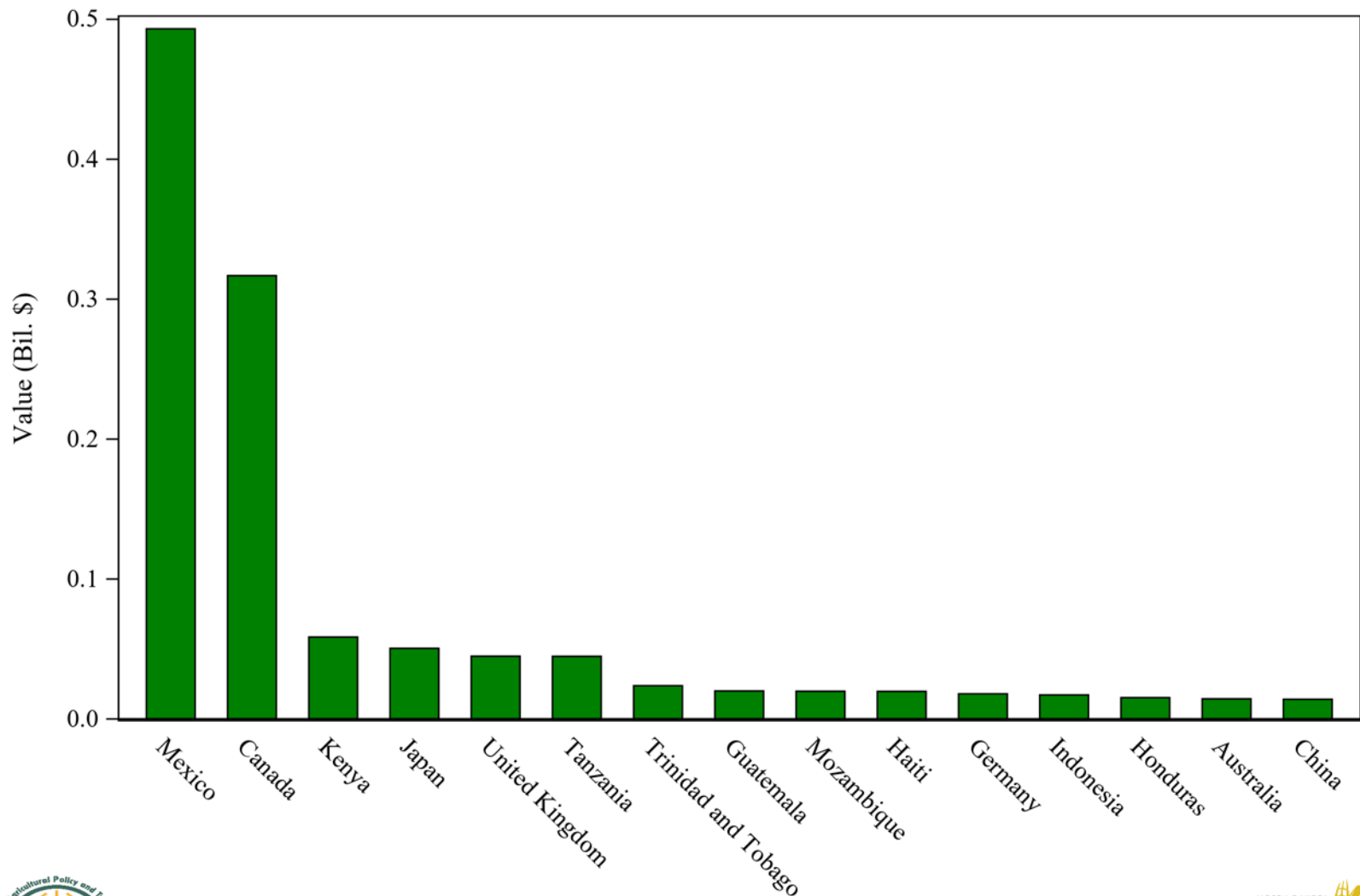
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Table 25: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	1,692,545,297	338,509,059	176,154,355	52.0	31.5
Canada	5	235,390,296	47,078,059	7,990,201	17.0	5.31
Taiwan	5	62,861,769	12,572,354	16,709,456	133	1.03
Ireland	4	53,136,323	13,284,081	9,366,064	70.5	1.49
Kenya	5	39,931,640	7,986,328	5,473,546	68.5	0.91
United Kingdom	5	34,873,674	6,974,735	2,465,011	35.3	0.72
China	5	31,713,466	6,342,693	3,442,161	54.3	0.61
Japan	5	29,569,096	5,913,819	3,676,681	62.2	0.66
Haiti	5	26,194,852	5,238,970	4,373,629	83.5	0.69
Zimbabwe	5	25,776,411	5,155,282	4,478,126	86.9	0.48
Congo (Kinshasa)	5	23,188,322	4,637,664	1,380,478	29.8	0.47
Guatemala	5	21,325,296	4,265,059	1,576,049	37.0	0.45
Uganda	5	16,669,771	3,333,954	2,902,042	87.0	0.37
Spain	5	13,488,015	2,697,603	3,728,994	138	0.29
Malawi	5	13,390,488	2,678,098	1,496,751	55.9	0.28

Figure 32: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, 2009-2013



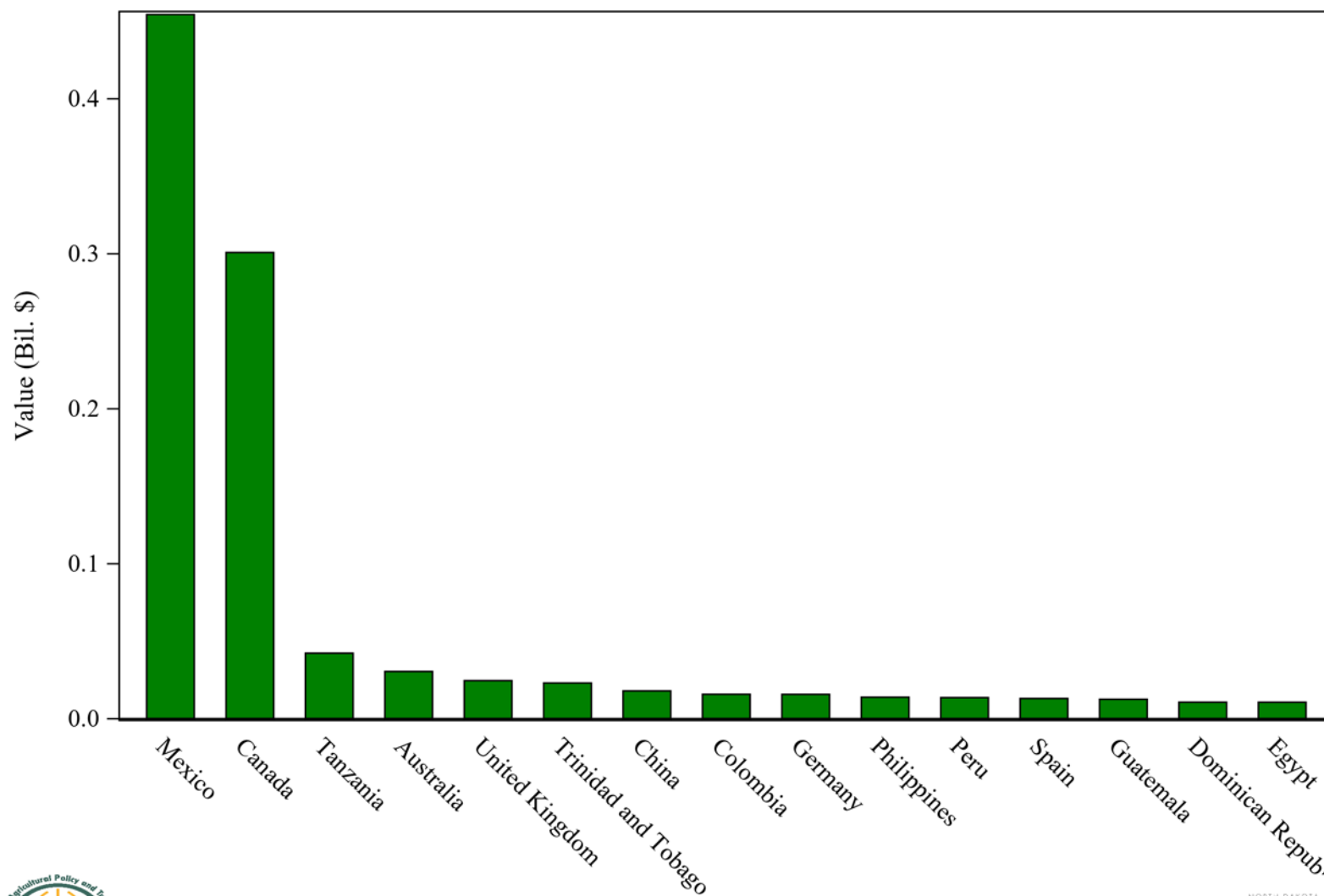
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Table 26: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	492,997,768	98,599,554	19,177,621	19.5	17.4
Canada	5	316,649,983	63,329,997	9,229,823	14.6	11.2
Kenya	5	58,420,046	11,684,009	10,028,705	85.8	2.10
Japan	5	50,391,156	10,078,231	3,917,075	38.9	1.78
United Kingdom	5	44,734,199	8,946,840	1,666,937	18.6	1.59
Tanzania	5	44,644,884	8,928,977	5,061,694	56.7	1.62
Trinidad and Tobago	5	23,653,741	4,730,748	989,649	20.9	0.83
Guatemala	5	19,914,003	3,982,801	2,366,303	59.4	0.71
Mozambique	5	19,684,255	3,936,851	2,395,699	60.9	0.72
Haiti	5	19,590,767	3,918,153	1,766,657	45.1	0.70
Germany	5	17,887,575	3,577,515	933,253	26.1	0.63
Indonesia	5	17,077,593	3,415,519	6,610,687	194	0.65
Honduras	5	15,128,157	3,025,631	1,545,477	51.1	0.54
Australia	5	14,280,526	2,856,105	1,283,989	45.0	0.50
China	5	13,975,382	2,795,076	988,642	35.4	0.50

Figure 33: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, 2014-2018



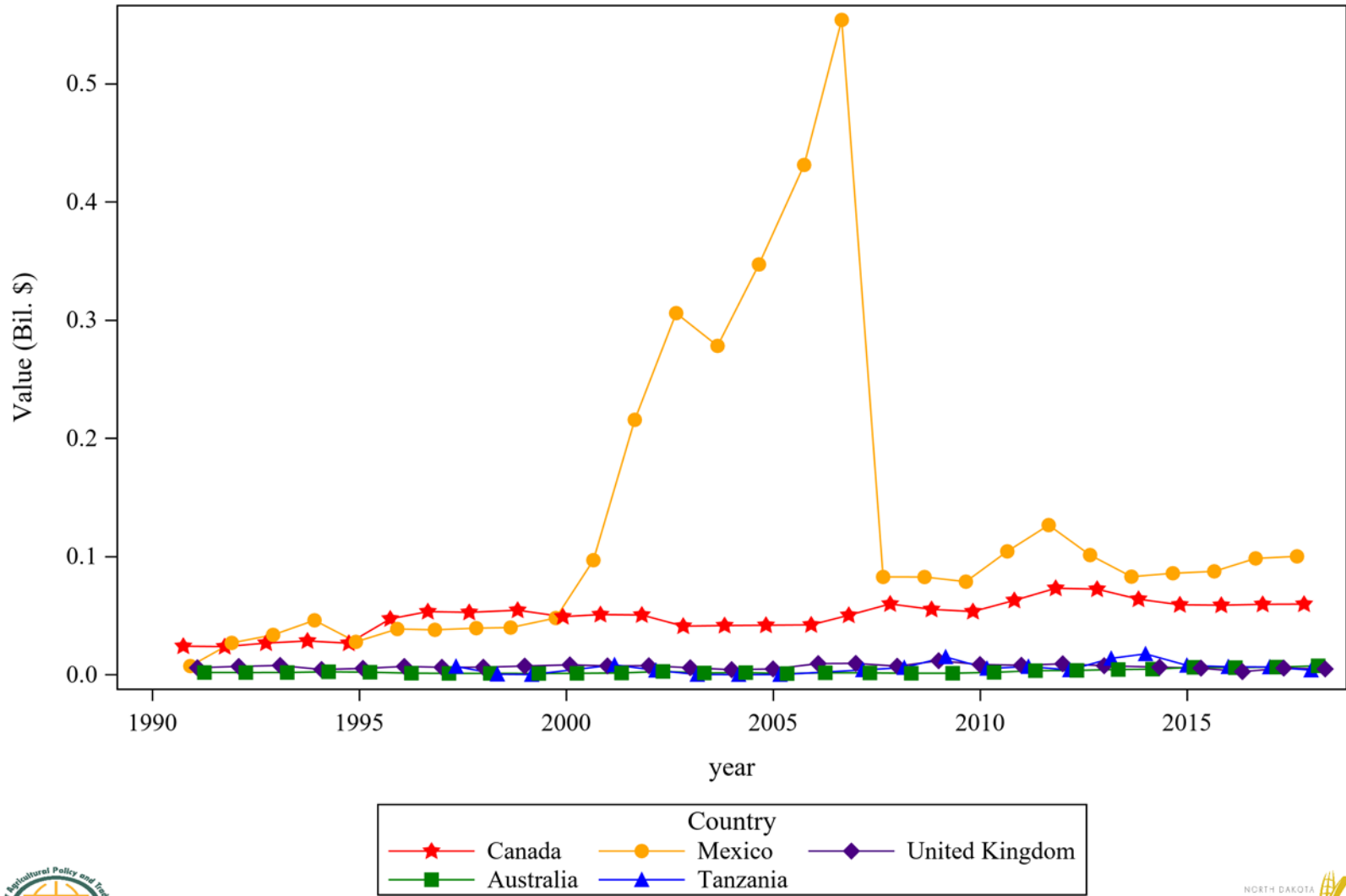
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Table 27: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	454,229,545	90,845,909	7,780,099	8.6	19.6
Canada	5	300,699,781	60,139,956	2,079,218	3.5	12.9
Tanzania	5	42,212,081	8,442,416	5,295,709	62.7	1.78
Australia	5	30,445,471	6,089,094	999,027	16.4	1.31
United Kingdom	5	24,500,434	4,900,087	1,441,098	29.4	1.05
Trinidad and Tobago	5	23,006,843	4,601,369	886,400	19.3	0.99
China	5	17,884,958	3,576,992	1,440,767	40.3	0.77
Colombia	5	15,740,743	3,148,149	536,306	17.0	0.68
Germany	5	15,693,001	3,138,600	3,428,026	109	0.66
Philippines	5	13,824,470	2,764,894	221,526	8.0	0.60
Peru	5	13,581,295	2,716,259	2,072,457	76.3	0.57
Spain	5	13,017,136	2,603,427	1,469,429	56.4	0.57
Guatemala	5	12,497,957	2,499,591	508,171	20.3	0.54
Dominican Republic	5	10,585,049	2,117,010	414,835	19.6	0.46
Egypt	4	10,565,163	2,641,291	4,341,134	164	0.57

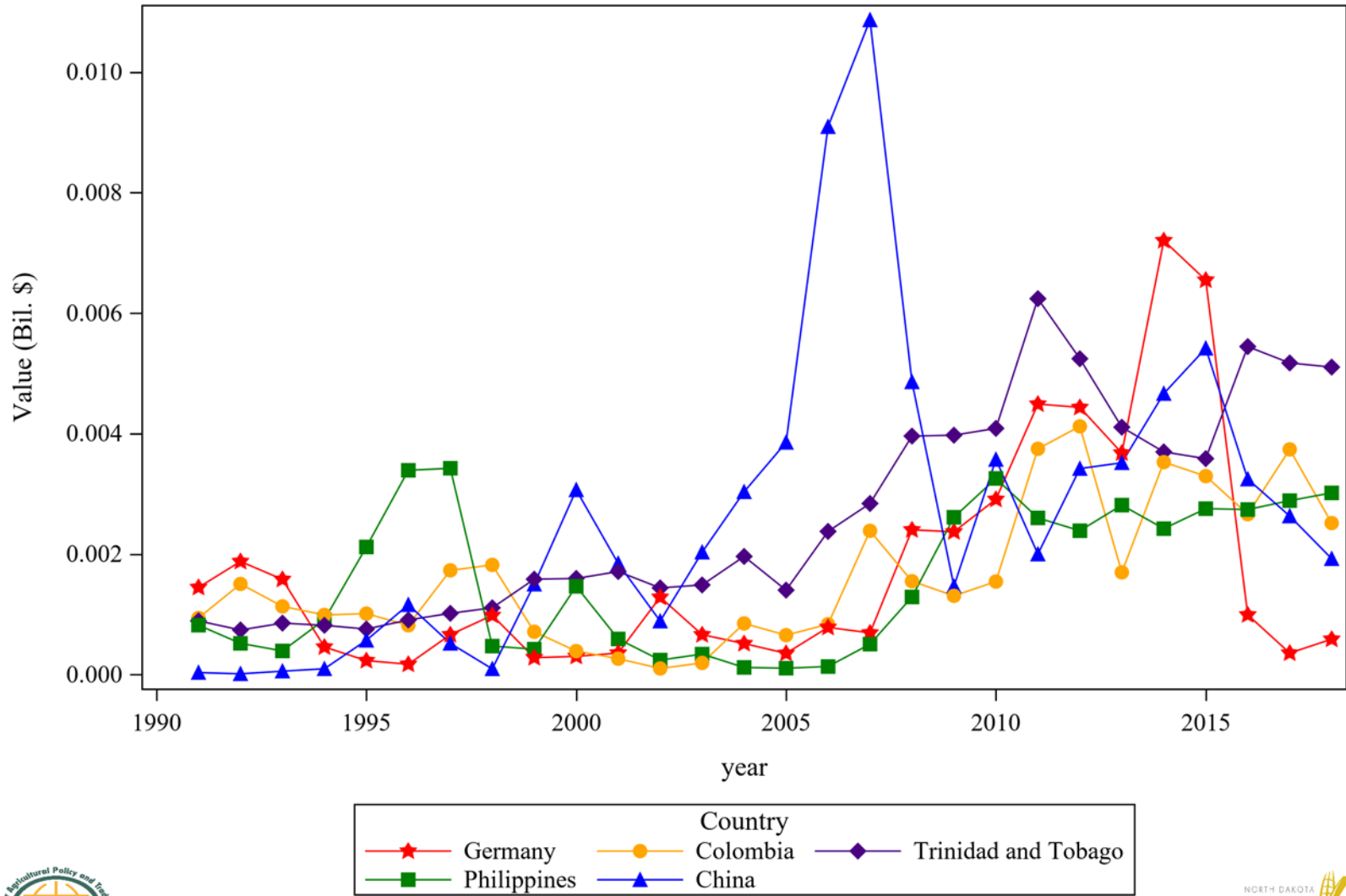
Figure 34: U.S. Corn Flour (GHS) Export Value to Top 5 Countries, Annual Trends



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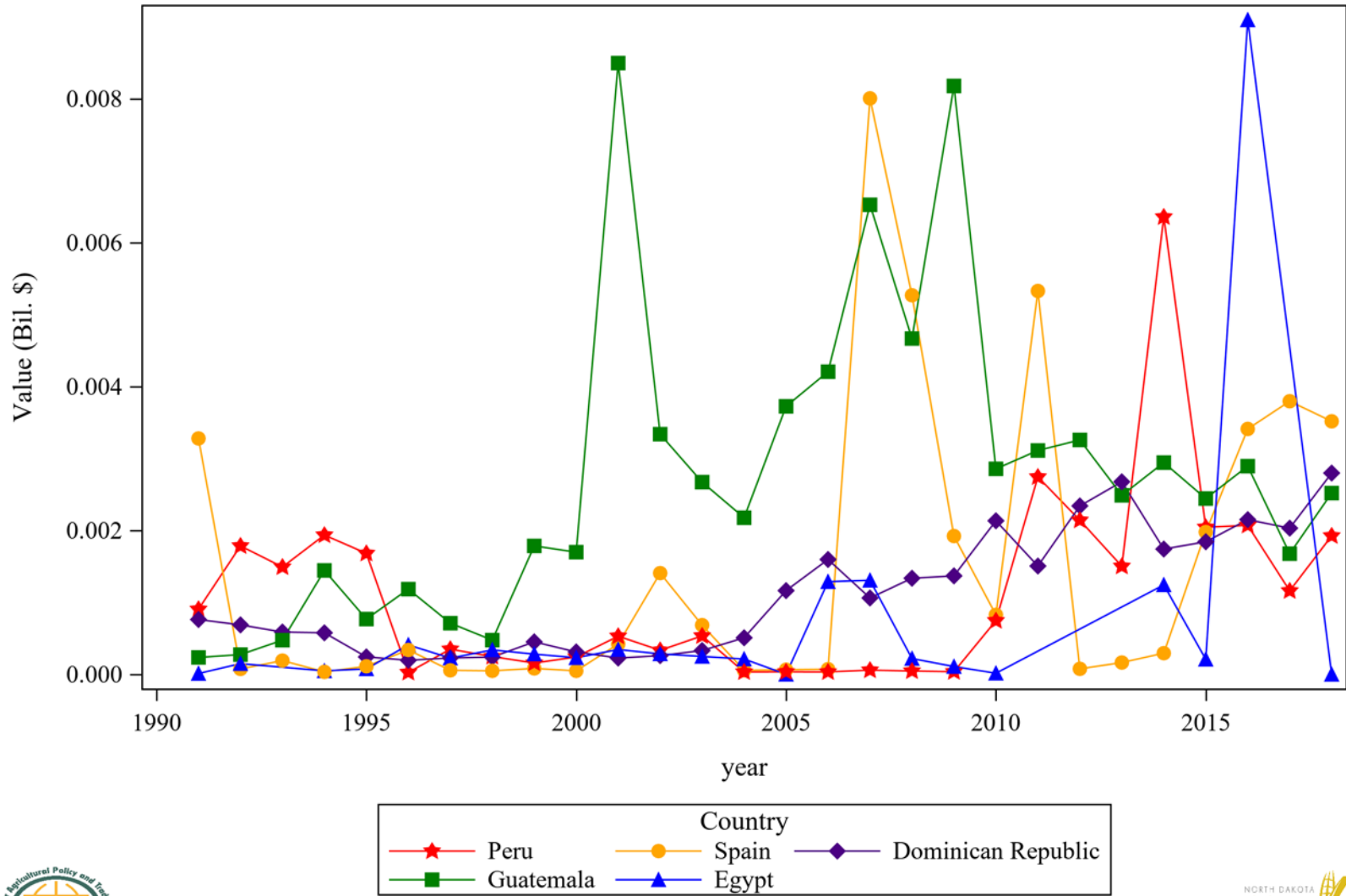
Figure 35: U.S. Corn Flour (GHS) Export Value to Top 6 to 10 Countries, Annual Trends



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Figure 36: U.S. Corn Flour (GHS) Export Value to Top 11 to 15 Countries, Annual Trends



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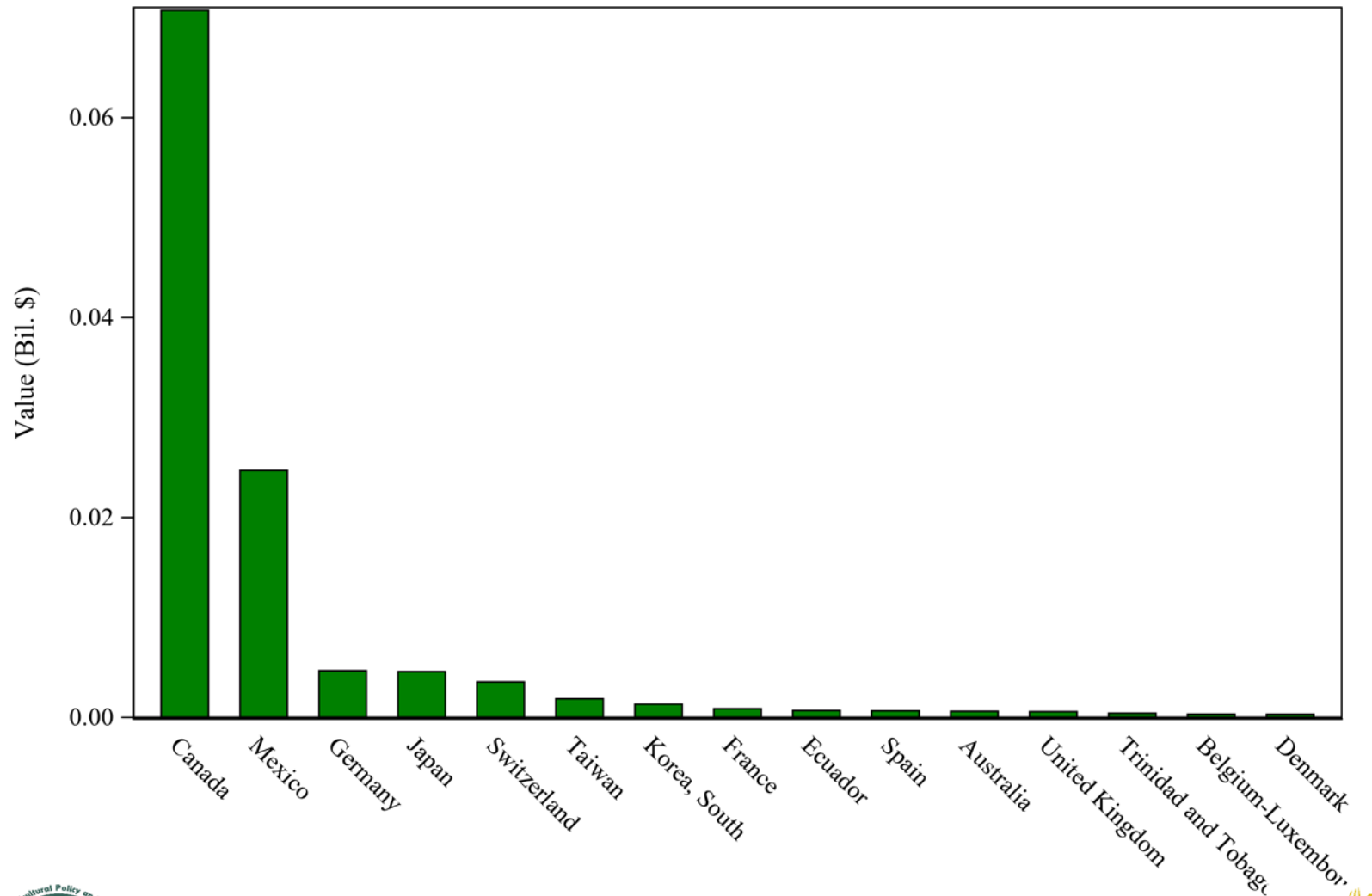


Table 28: U.S. Corn Flour (GHS) Export Value to Top 15 Countries, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
Mexico	78,623,852	104,250,886	126,459,939	101,114,472	82,849,704	85,718,914	87,347,556	98,285,510	100,027,861
Canada	53,354,426	62,773,296	73,042,718	72,291,491	63,803,061	59,087,416	58,703,486	59,470,088	59,635,730
Tanzania	5,223,689	6,787,438	3,946,914	13,745,813	17,543,081	7,804,519	6,634,325	6,445,038	3,785,118
Australia	1,915,254	3,339,184	3,566,998	4,300,937	4,644,569	6,131,522	5,892,509	6,346,574	7,430,297
United Kingdom	8,521,248	7,871,140	9,137,283	7,495,011	6,302,161	5,427,647	2,512,232	5,487,028	4,771,366
Trinidad and Tobago	4,087,707	6,240,646	5,243,912	4,106,927	3,697,308	3,585,503	5,445,356	5,173,790	5,104,886
China	3,571,034	2,000,830	3,420,143	3,516,851	4,665,298	5,417,192	3,245,230	2,632,792	1,924,446
Colombia	1,545,070	3,748,474	4,121,444	1,697,830	3,527,716	3,295,069	2,663,098	3,739,275	2,515,585
Germany	2,910,448	4,491,468	4,436,522	3,678,082	7,204,773	6,549,135	992,471	358,136	588,486
Philippines	3,256,273	2,601,016	2,388,817	2,813,629	2,423,290	2,754,948	2,740,682	2,888,287	3,017,263
Peru	749,877	2,748,245	2,146,322	1,506,517	6,362,979	2,048,311	2,075,370	1,165,211	1,929,424
Spain	831,264	5,333,524	80,515	167,786	297,971	1,981,725	3,415,303	3,800,516	3,521,621
Guatemala	2,860,417	3,115,932	3,262,218	2,492,063	2,947,893	2,447,291	2,897,947	1,681,074	2,523,752
Dominican Republic	2,138,211	1,509,160	2,345,216	2,680,824	1,745,368	1,847,116	2,154,405	2,036,000	2,802,160
Egypt	19,189	.	.	.	1,247,600	213,100	9,101,652	.	2,811

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Figure 37: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, 1989-1993



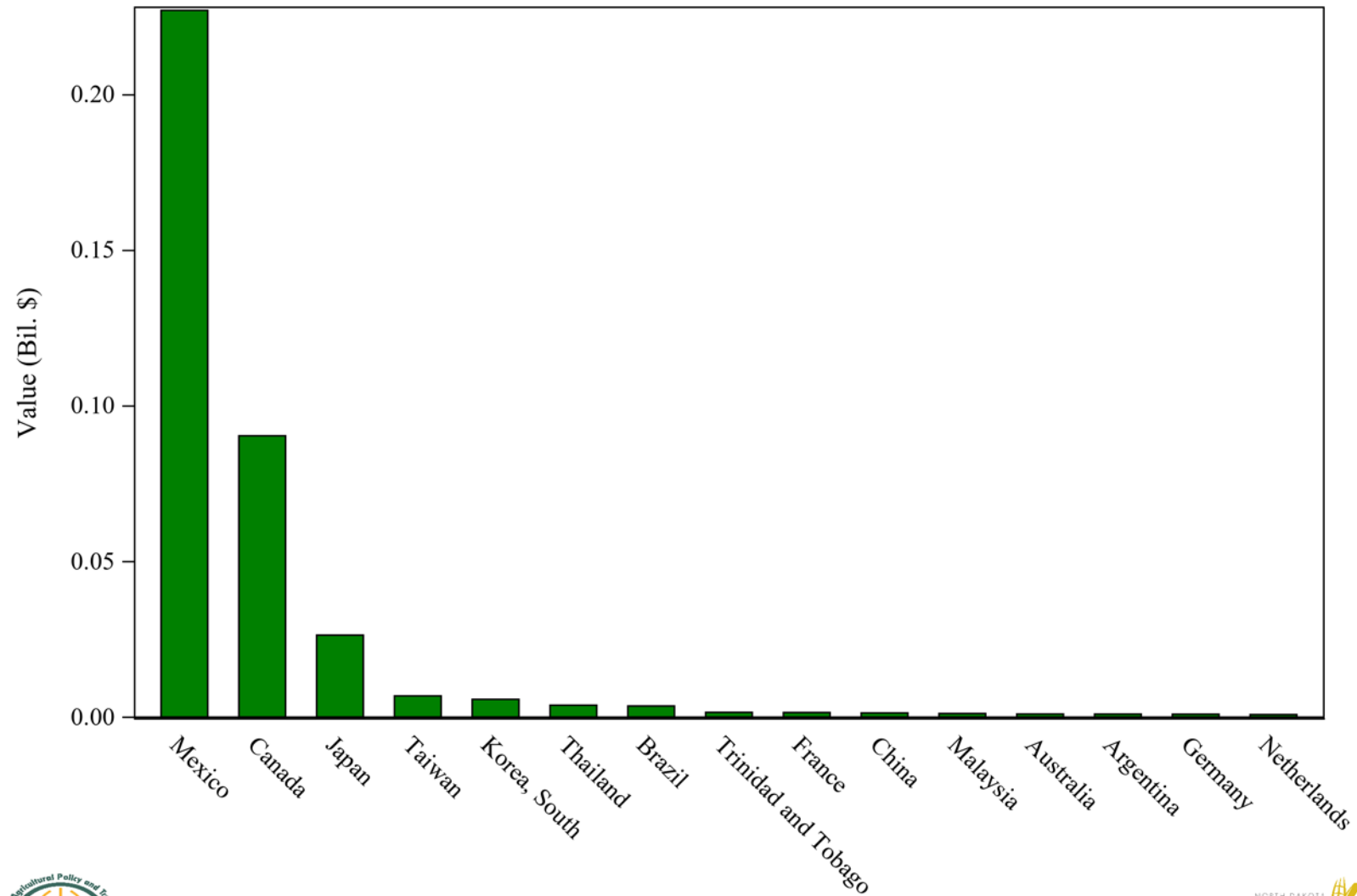
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Table 29: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, Descriptive Statistics for 1989-1993

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	3	70,708,106	23,569,369	9,729,995	41.3	29.1
Mexico	3	24,696,263	8,232,088	3,705,167	45.0	11.3
Germany	3	4,658,516	1,552,839	2,403,815	155	1.59
Japan	3	4,557,880	1,519,293	676,266	44.5	2.02
Switzerland	3	3,539,122	1,179,707	446,947	37.9	1.48
Taiwan	3	1,845,717	615,239	215,928	35.1	0.78
Korea, South	3	1,303,326	434,442	459,745	106	0.60
France	3	854,309	284,770	242,465	85.1	0.41
Ecuador	3	677,179	225,726	253,774	112	0.25
Spain	3	639,675	213,225	103,488	48.5	0.27
Australia	3	593,342	197,781	188,733	95.4	0.26
United Kingdom	3	561,791	187,264	24,926	13.3	0.24
Trinidad and Tobago	3	406,353	135,451	91,624	67.6	0.17
Belgium-Luxembourg	3	310,501	103,500	5,734	5.5	0.14
Denmark	2	298,522	149,261	203,945	137	0.22

Figure 38: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, 1994-1998



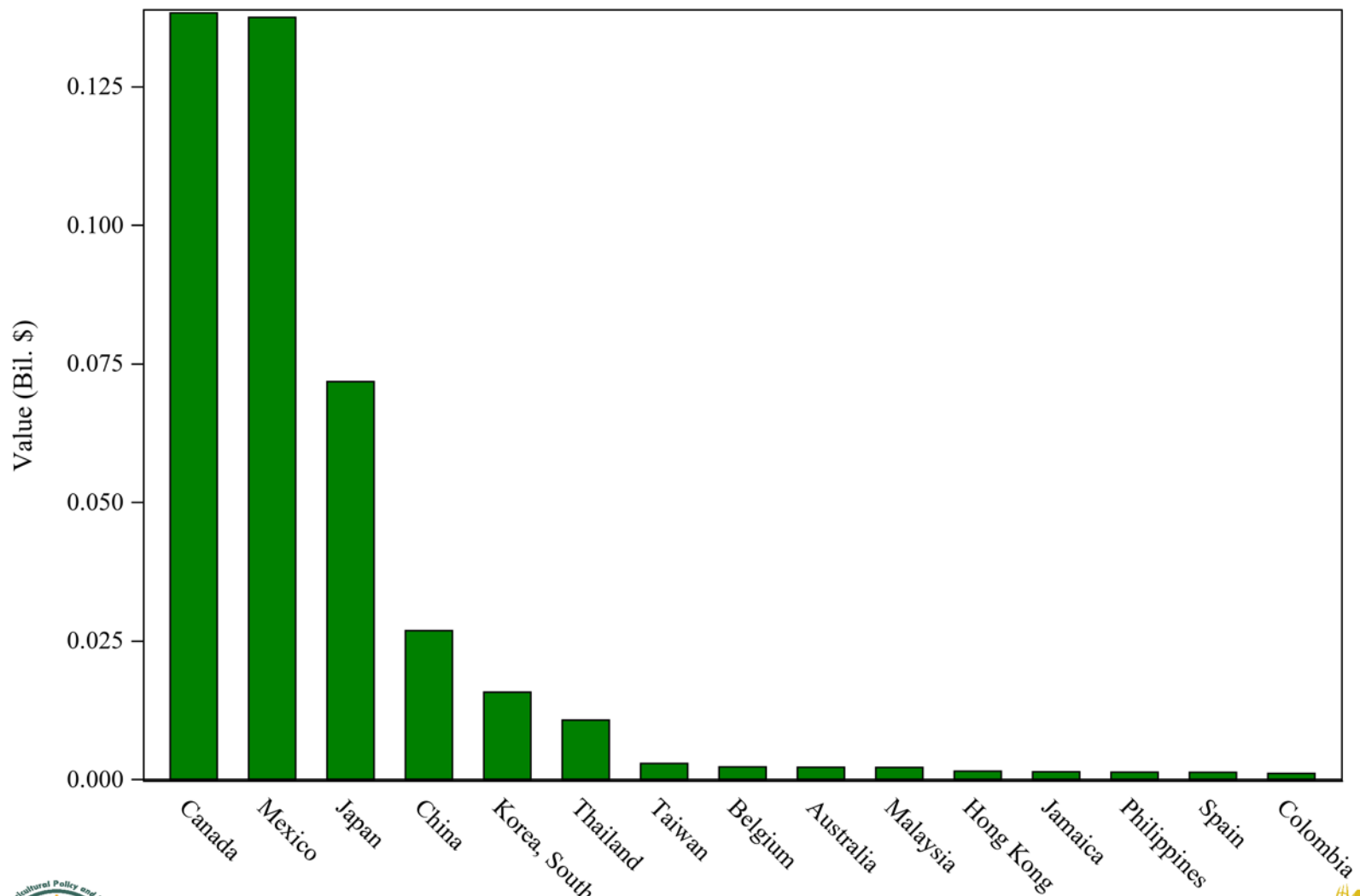
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Table 30: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	227,010,369	45,402,074	20,546,692	45.3	29.9
Canada	5	90,368,647	18,073,729	18,760,888	104	10.2
Japan	5	26,333,606	5,266,721	2,334,019	44.3	3.55
Taiwan	5	6,827,850	1,365,570	588,622	43.1	1.26
Korea, South	5	5,713,743	1,142,749	736,763	64.5	0.87
Thailand	4	3,824,914	956,229	1,038,502	109	0.45
Brazil	5	3,573,416	714,683	423,662	59.3	0.68
Trinidad and Tobago	5	1,539,018	307,804	299,659	97.4	0.18
France	5	1,481,936	296,387	228,974	77.3	0.24
China	3	1,339,809	446,603	207,611	46.5	0.32
Malaysia	5	1,157,130	231,426	328,175	142	0.12
Australia	5	1,007,720	201,544	207,367	103	0.20
Argentina	5	980,620	196,124	211,484	108	0.10
Germany	5	947,925	189,585	50,738	26.8	0.15
Netherlands	5	819,945	163,989	264,566	161	0.12

Figure 39: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, 1999-2003



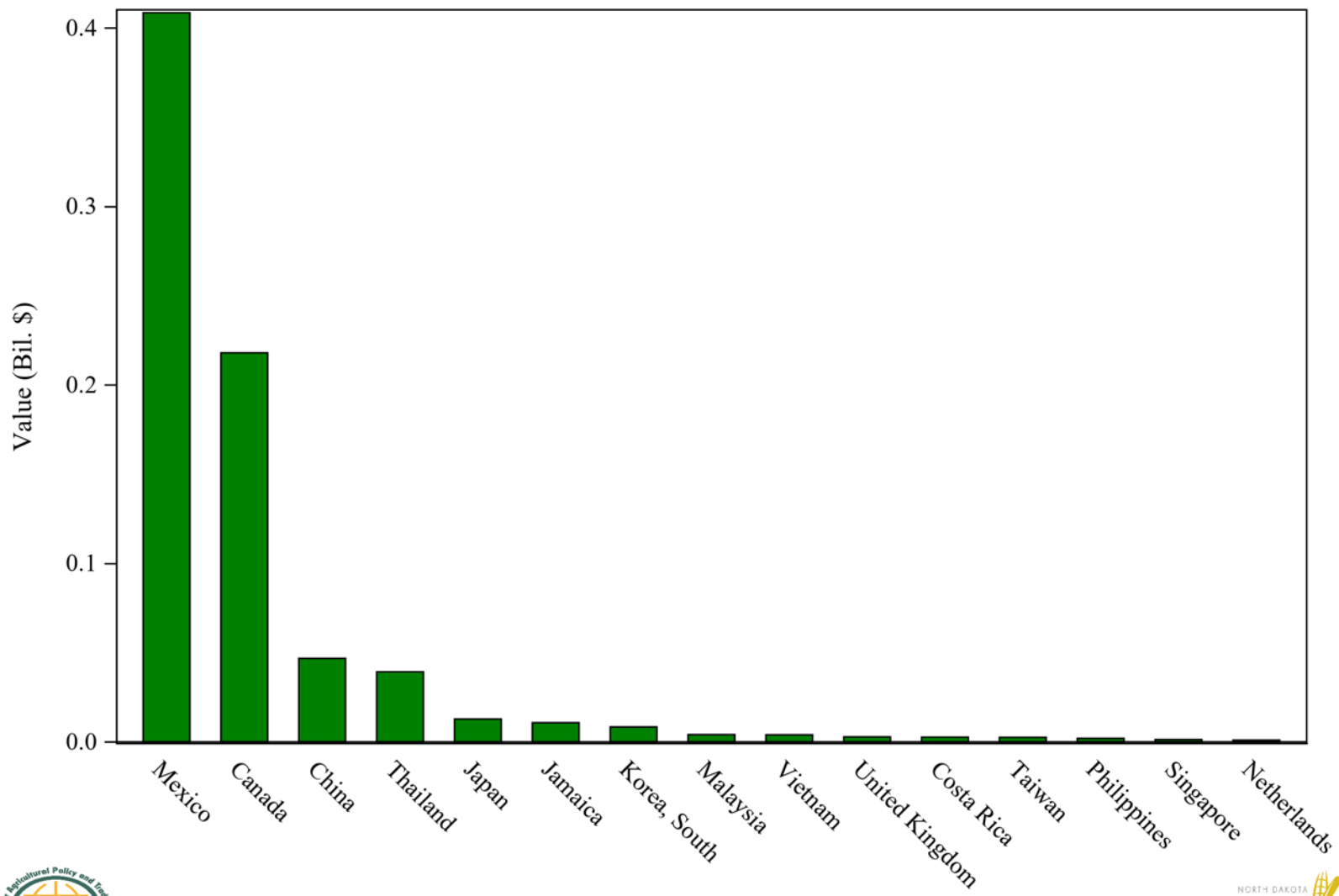
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Table 31: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Canada	5	138,269,557	27,653,911	2,275,015	8.2	16.8
Mexico	5	137,469,243	27,493,849	24,871,357	90.5	14.3
Japan	5	71,751,826	14,350,365	3,849,513	26.8	8.58
China	5	26,833,791	5,366,758	5,836,177	109	3.55
Korea, South	5	15,727,118	3,145,424	892,386	28.4	1.96
Thailand	5	10,693,206	2,138,641	1,155,191	54.0	1.36
Taiwan	5	2,872,186	574,437	114,032	19.9	0.34
Belgium	4	2,248,293	562,073	358,562	63.8	0.37
Australia	5	2,186,971	437,394	199,654	45.6	0.25
Malaysia	5	2,158,282	431,656	210,570	48.8	0.27
Hong Kong	5	1,477,402	295,480	271,983	92.0	0.19
Jamaica	5	1,368,089	273,618	132,164	48.3	0.18
Philippines	5	1,294,716	258,943	136,950	52.9	0.16
Spain	5	1,267,938	253,588	244,883	96.6	0.14
Colombia	5	1,067,734	213,547	258,795	121	0.14

Figure 40: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, 2004-2008



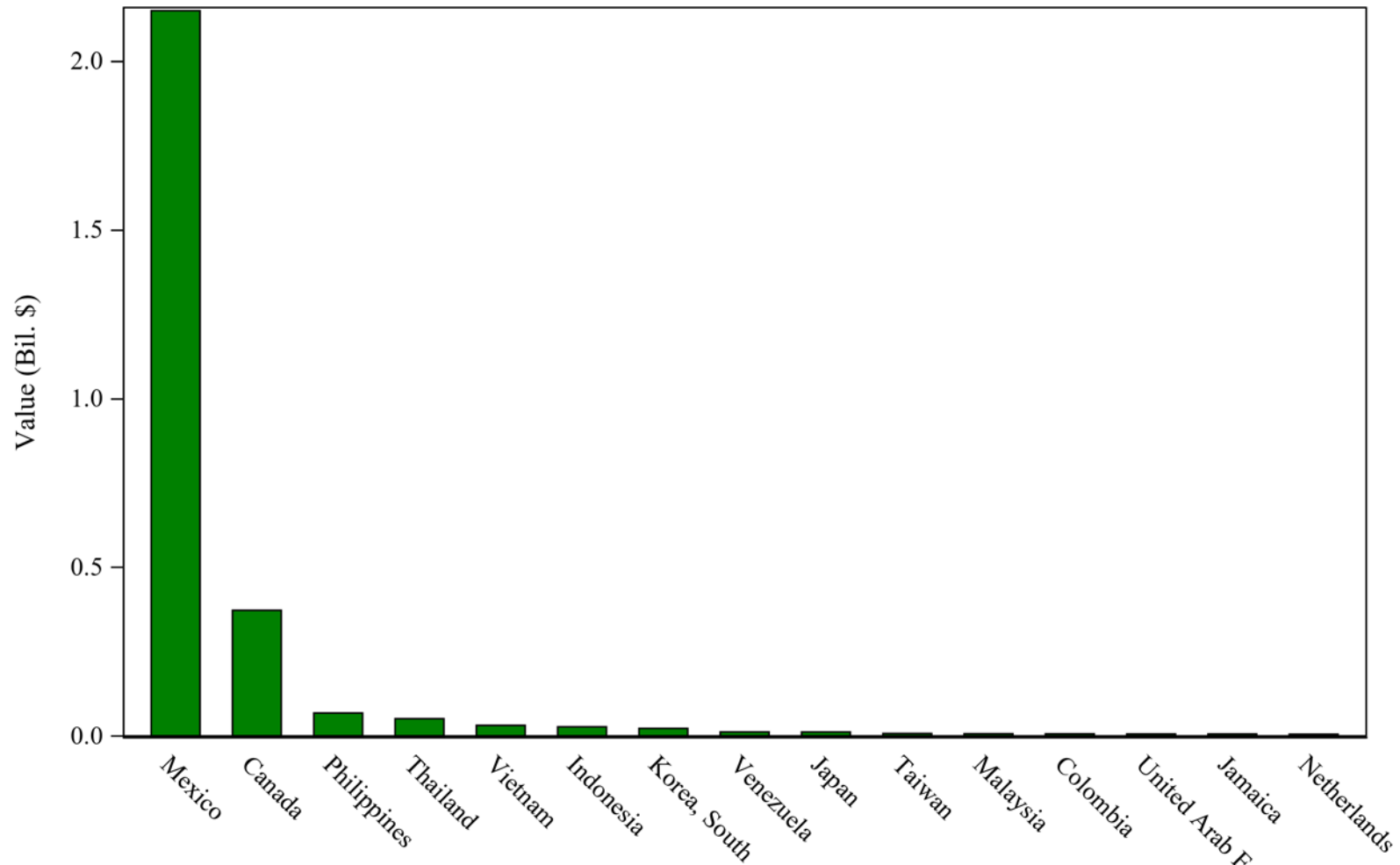
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Table 32: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	408,467,445	81,693,489	79,243,365	97.0	20.0
Canada	5	217,926,801	43,585,360	9,952,438	22.8	17.0
China	5	46,750,511	9,350,102	7,964,270	85.2	5.27
Thailand	5	39,233,412	7,846,682	4,103,385	52.3	2.68
Japan	5	12,776,347	2,555,269	969,870	38.0	1.21
Jamaica	5	10,717,584	2,143,517	701,272	32.7	0.78
Korea, South	5	8,361,102	1,672,220	192,794	11.5	0.68
Malaysia	5	4,045,788	809,158	196,315	24.3	0.31
Vietnam	3	3,931,101	1,310,367	923,408	70.5	0.28
United Kingdom	5	2,793,285	558,657	224,667	40.2	0.20
Costa Rica	5	2,628,356	525,671	491,129	93.4	0.13
Taiwan	5	2,517,284	503,457	121,208	24.1	0.20
Philippines	5	1,954,785	390,957	323,808	82.8	0.14
Singapore	5	1,269,599	253,920	58,937	23.2	0.10
Netherlands	5	952,365	190,473	66,875	35.1	0.08

Figure 41: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, 2009-2013



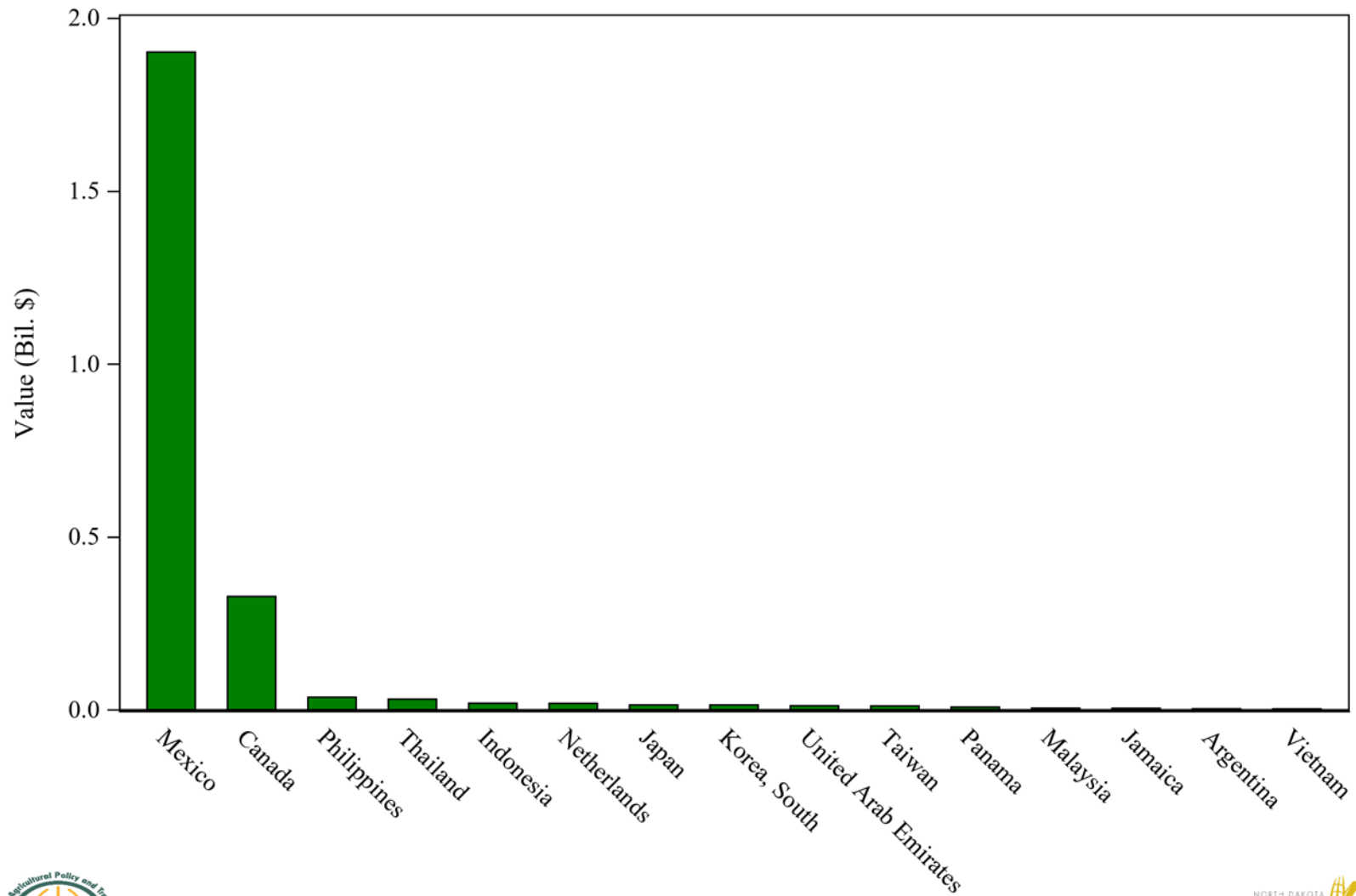
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Table 33: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	2,149,807,346	429,961,469	171,997,948	40.0	37.5
Canada	5	372,353,928	74,470,786	8,295,980	11.1	7.43
Philippines	5	67,891,543	13,578,309	13,799,923	102	1.18
Thailand	5	50,971,235	10,194,247	5,829,290	57.2	1.05
Vietnam	5	31,165,239	6,233,048	4,399,973	70.6	0.50
Indonesia	5	26,975,740	5,395,148	6,070,419	113	0.40
Korea, South	5	22,264,308	4,452,862	2,379,275	53.4	0.41
Venezuela	5	11,698,055	2,339,611	2,464,955	105	0.17
Japan	5	11,571,026	2,314,205	1,513,612	65.4	0.23
Taiwan	5	7,125,767	1,425,153	1,311,721	92.0	0.11
Malaysia	5	6,394,613	1,278,923	832,681	65.1	0.12
Colombia	5	6,044,809	1,208,962	717,802	59.4	0.10
United Arab Emirates	5	5,656,537	1,131,307	1,680,563	149	0.08
Jamaica	5	5,652,068	1,130,414	249,715	22.1	0.12
Netherlands	5	5,027,579	1,005,516	911,373	90.6	0.08

Figure 42: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, 2014-2018



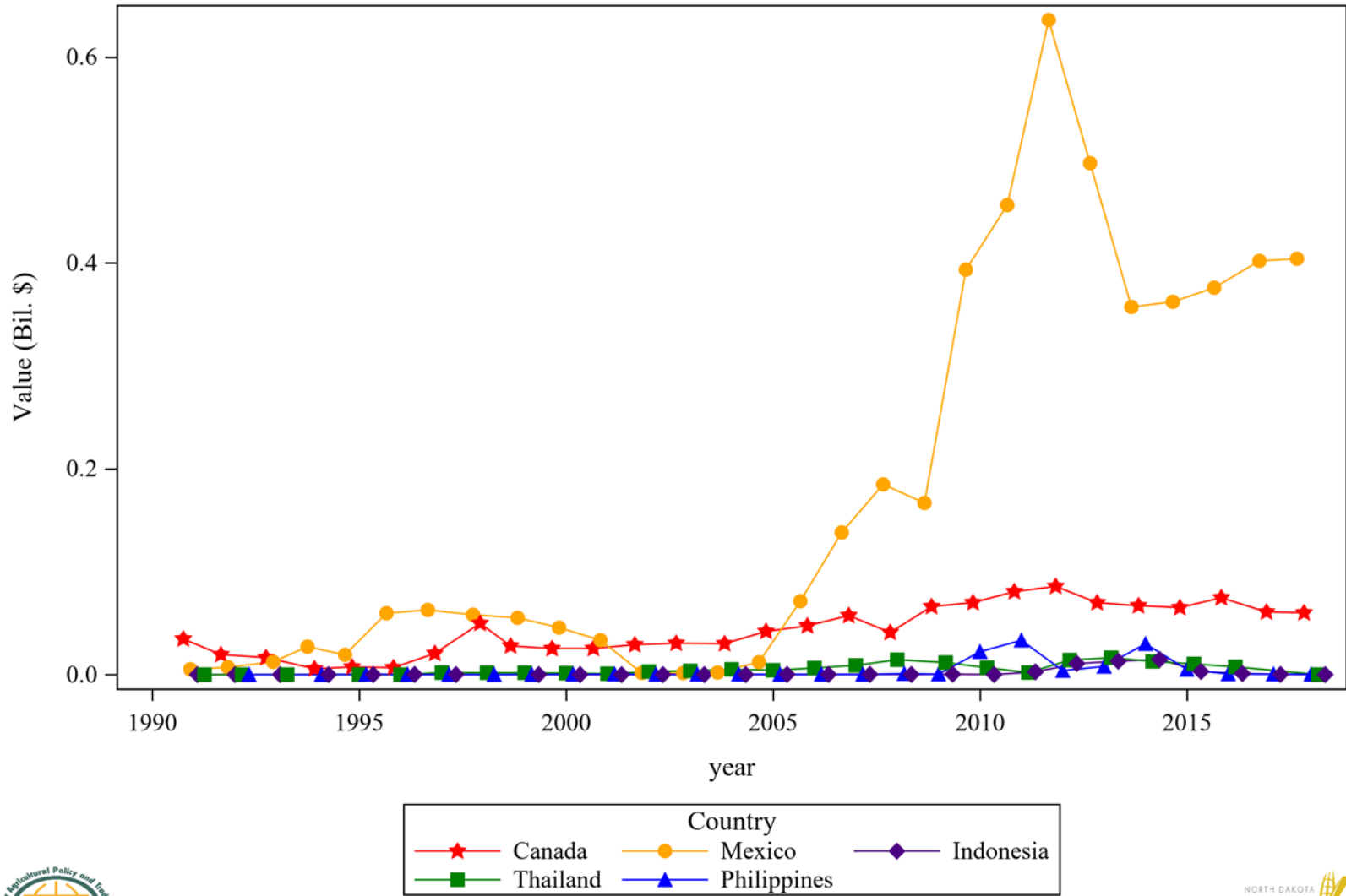
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Table 34: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Mexico	5	1,901,829,812	380,365,962	21,893,803	5.8	39.1
Canada	5	327,773,579	65,554,716	5,870,457	9.0	6.73
Philippines	5	36,409,265	7,281,853	12,828,137	176	0.73
Thailand	4	30,779,529	7,694,882	5,553,492	72.2	0.79
Indonesia	5	19,045,752	3,809,150	6,232,634	164	0.38
Netherlands	5	18,668,168	3,733,634	534,731	14.3	0.38
Japan	5	14,240,956	2,848,191	1,180,251	41.4	0.29
Korea, South	5	14,174,698	2,834,940	1,266,019	44.7	0.29
United Arab Emirates	5	11,798,295	2,359,659	1,382,893	58.6	0.24
Taiwan	5	11,240,574	2,248,115	824,238	36.7	0.23
Panama	5	7,922,085	1,584,417	1,888,509	119	0.16
Malaysia	5	4,677,164	935,433	720,943	77.1	0.10
Jamaica	5	4,307,971	861,594	194,183	22.5	0.09
Argentina	1	3,035,898	3,035,898	.	.	0.31
Vietnam	5	2,797,678	559,536	508,260	90.8	0.06

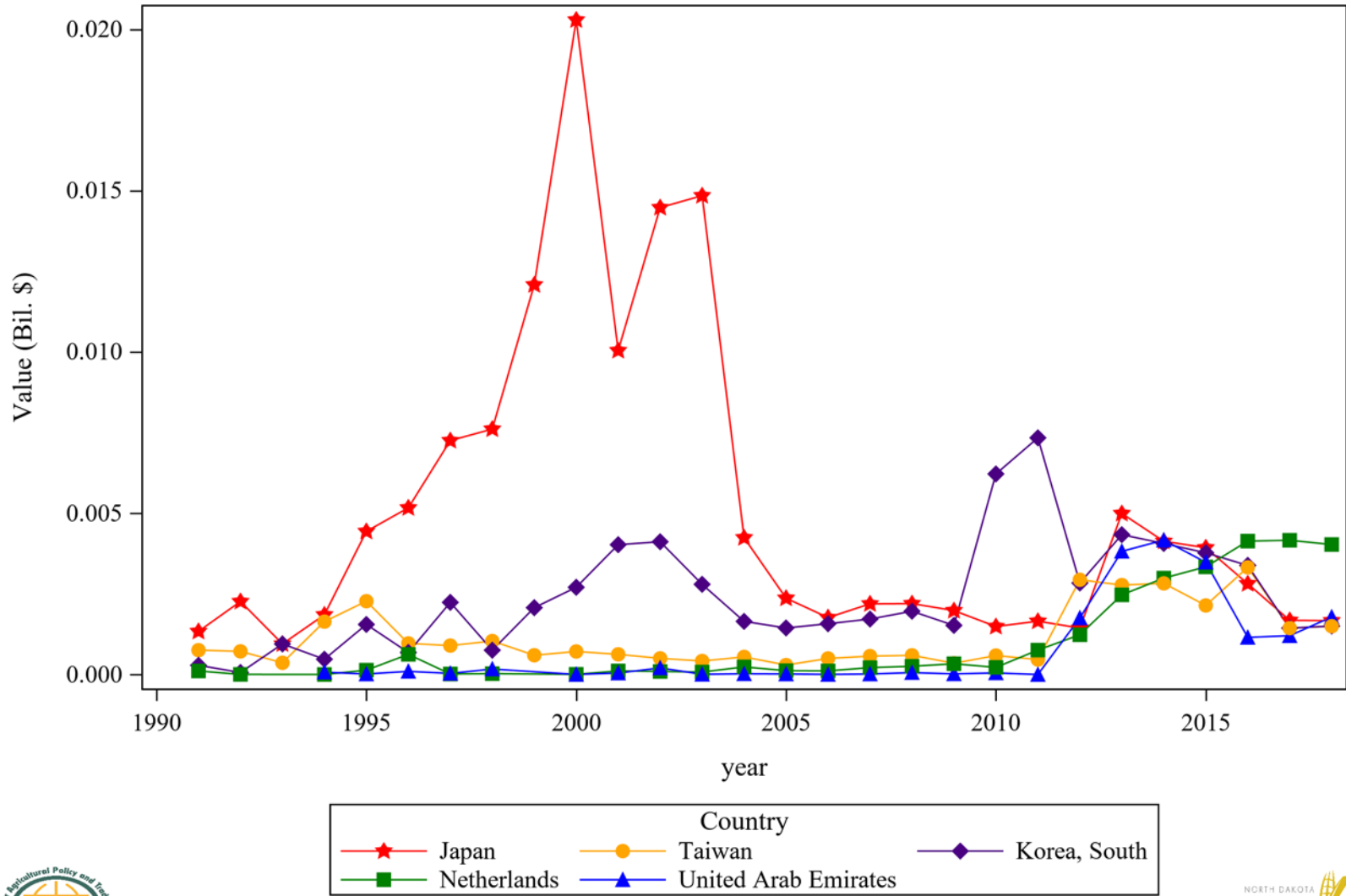
Figure 43: U.S. Corn Sugars (GF) Export Value to Top 5 Countries, Annual Trends



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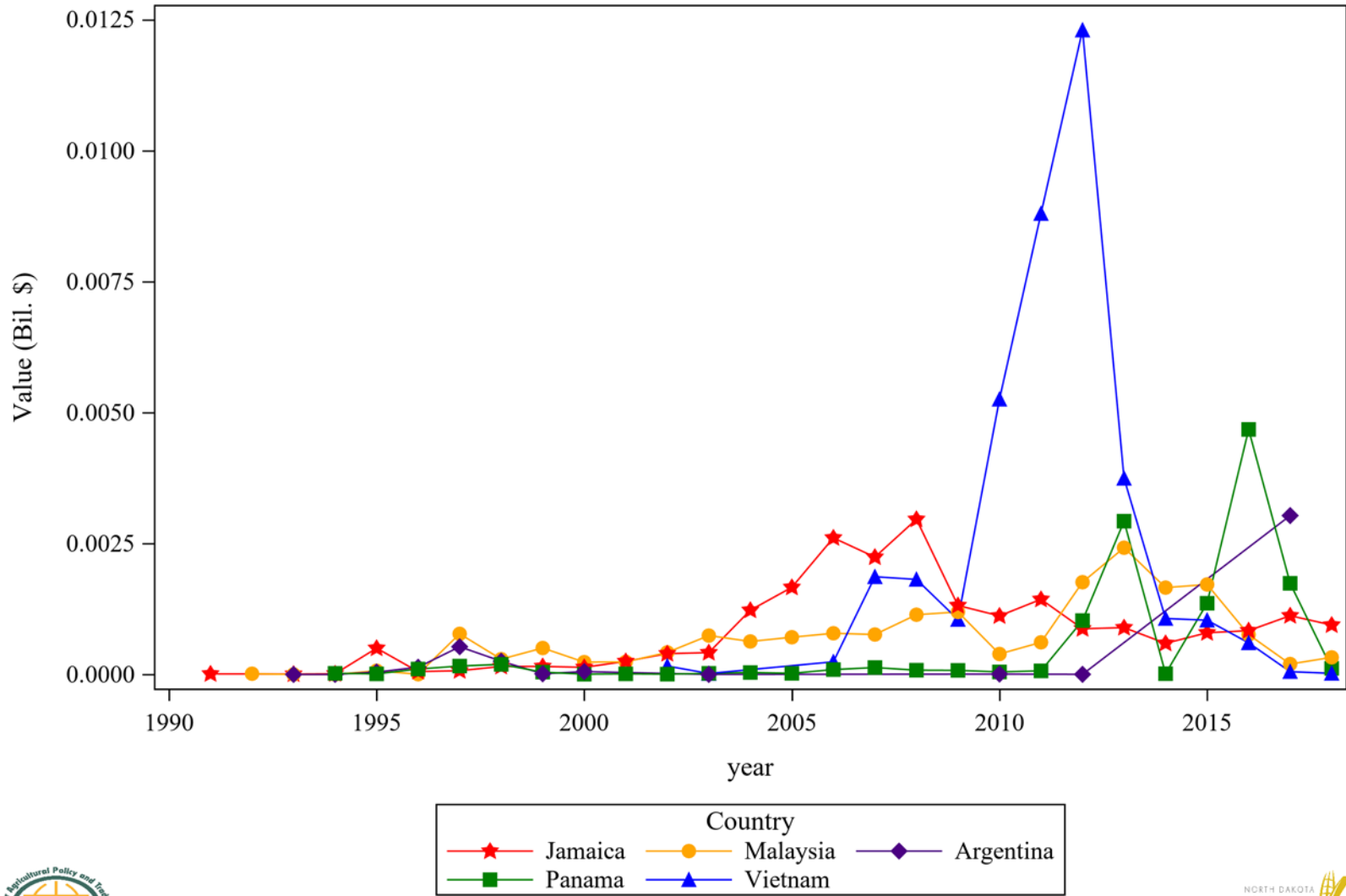
Figure 44: U.S. Corn Sugars (GF) Export Value to Top 6 to 10 Countries, Annual Trends



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Figure 45: U.S. Corn Sugars (GF) Export Value to Top 11 to 15 Countries, Annual Trends



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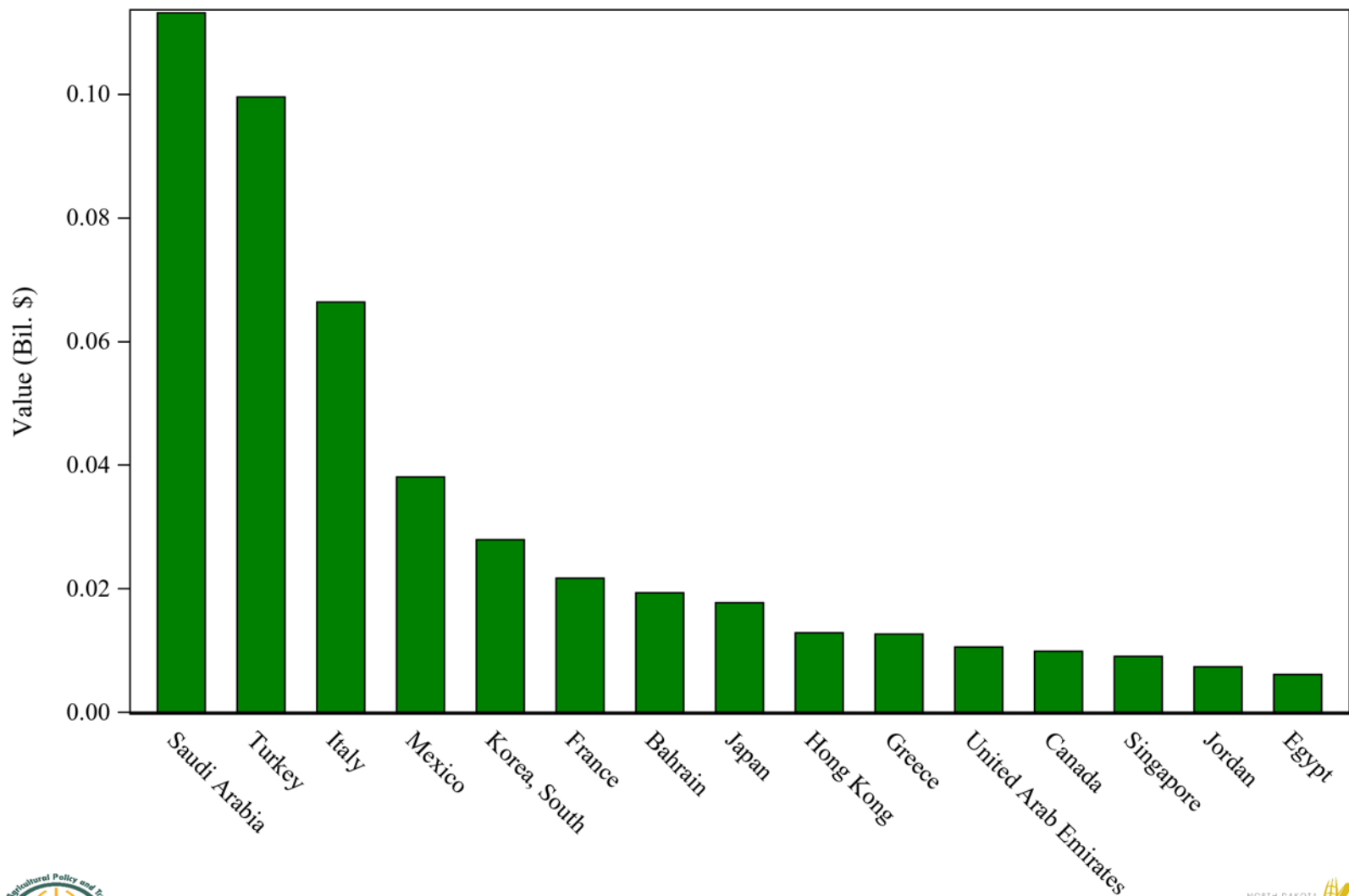


Table 35: U.S. Corn Sugars (GF) Export Value to Top 15 Countries, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
Mexico	393,449,758	456,320,011	636,232,461	497,018,391	357,275,663	362,287,927	376,009,234	402,096,422	404,160,566
Canada	69,973,430	80,622,891	85,725,783	69,914,960	66,941,660	65,163,538	74,714,522	60,865,866	60,087,993
Philippines	22,250,149	33,308,711	3,873,884	7,989,839	29,958,717	5,009,990	640,372	490,516	309,670
Thailand	6,691,488	2,011,915	14,126,096	16,435,904	12,839,897	10,361,263	7,559,735	.	18,634
Indonesia	65,237	2,710,523	10,755,014	13,028,550	14,752,490	3,034,098	1,021,966	210,198	27,000
Netherlands	223,761	760,281	1,234,957	2,472,101	2,991,949	3,340,517	4,139,106	4,164,418	4,032,178
Japan	1,491,355	1,655,698	1,443,931	4,995,163	4,133,395	3,934,164	2,817,922	1,682,391	1,673,084
Korea, South	6,220,546	7,340,012	2,839,701	4,338,310	4,065,536	3,776,495	3,385,130	1,441,870	1,505,667
United Arab Emirates	52,073	2,699	1,757,475	3,821,583	4,169,540	3,482,342	1,154,195	1,205,500	1,786,718
Taiwan	591,151	467,653	2,939,645	2,775,688	2,829,258	2,144,458	3,324,858	1,440,908	1,501,092
Panama	51,125	72,244	1,032,285	2,928,801	17,428	1,362,860	4,680,768	1,742,534	118,495
Malaysia	393,759	616,572	1,764,583	2,422,865	1,660,990	1,721,339	763,560	201,754	329,521
Jamaica	1,121,389	1,437,549	875,806	897,422	597,351	799,112	839,451	1,124,782	947,275
Argentina	9,881	.	5,302	3,035,898	.
Vietnam	5,257,355	8,802,109	12,305,445	3,747,574	1,071,060	1,039,065	606,706	56,670	24,177

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Figure 46: U.S. Corn Oil (CR) Export Value to Top 15 Countries, 1989-1993



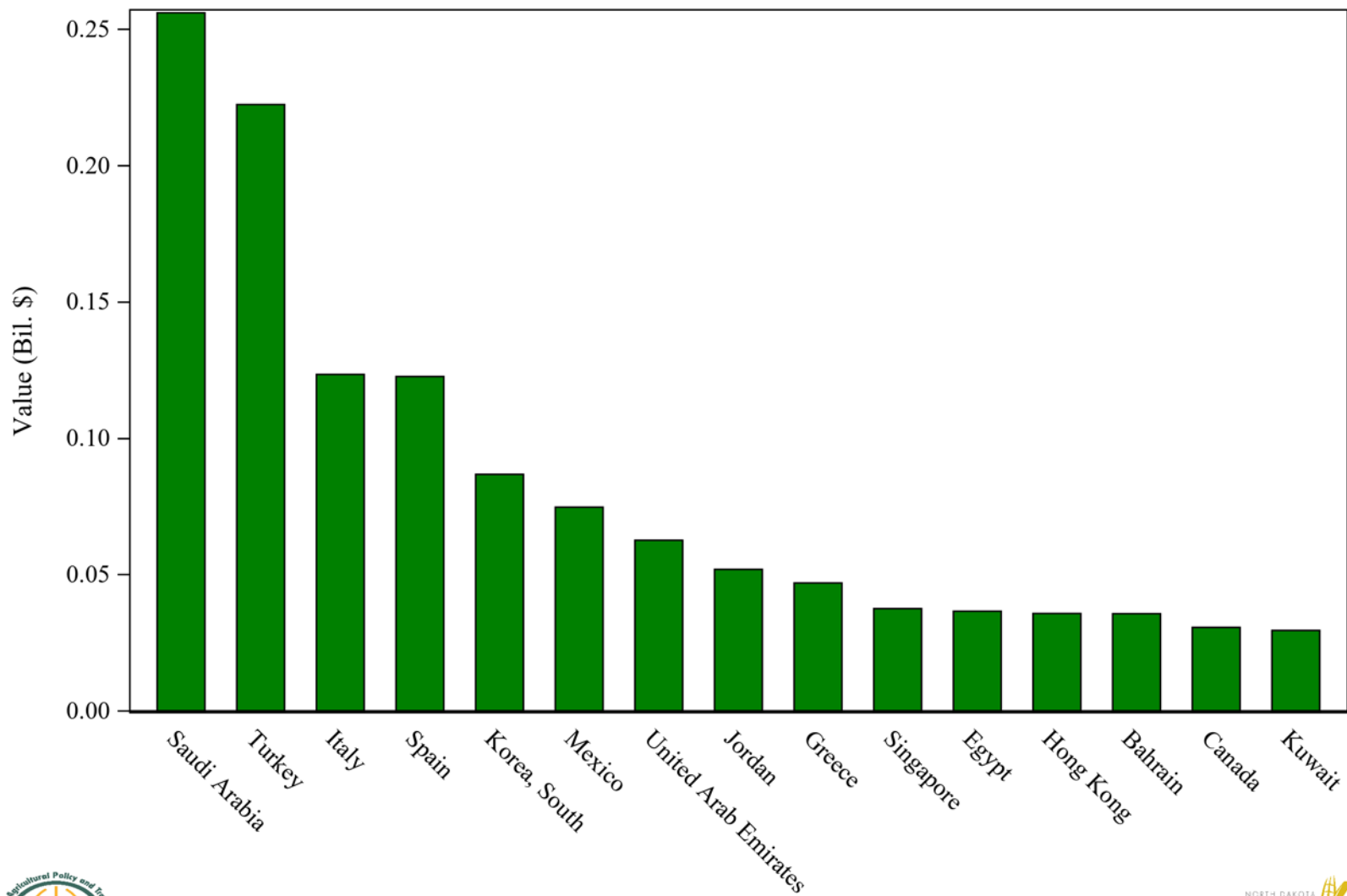
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Table 36: U.S. Corn Oil (CR) Export Value to Top 15 Countries, Descriptive Statistics for 1989-1993

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Saudi Arabia	3	113,135,133	37,711,711	4,768,003	12.6	10.9
Turkey	3	99,520,037	33,173,346	18,869,857	56.9	9.02
Italy	3	66,345,150	22,115,050	11,858,132	53.6	6.52
Mexico	3	38,056,802	12,685,601	826,346	6.5	3.61
Korea, South	3	27,897,188	9,299,063	3,351,290	36.0	2.59
France	3	21,682,255	7,227,418	6,263,895	86.7	1.91
Bahrain	3	19,318,095	6,439,365	3,991,528	62.0	1.74
Japan	3	17,706,299	5,902,100	2,516,380	42.6	1.62
Hong Kong	3	12,843,060	4,281,020	1,543,077	36.0	1.18
Greece	3	12,634,951	4,211,650	4,360,250	104	1.22
United Arab Emirates	3	10,541,283	3,513,761	710,759	20.2	1.01
Canada	3	9,846,752	3,282,251	443,901	13.5	0.95
Singapore	3	9,028,168	3,009,389	3,590,244	119	0.76
Jordan	3	7,337,366	2,445,789	1,493,885	61.1	0.73
Egypt	2	6,092,309	3,046,155	1,023,812	33.6	0.80

Figure 47: U.S. Corn Oil (CR) Export Value to Top 15 Countries, 1994-1998



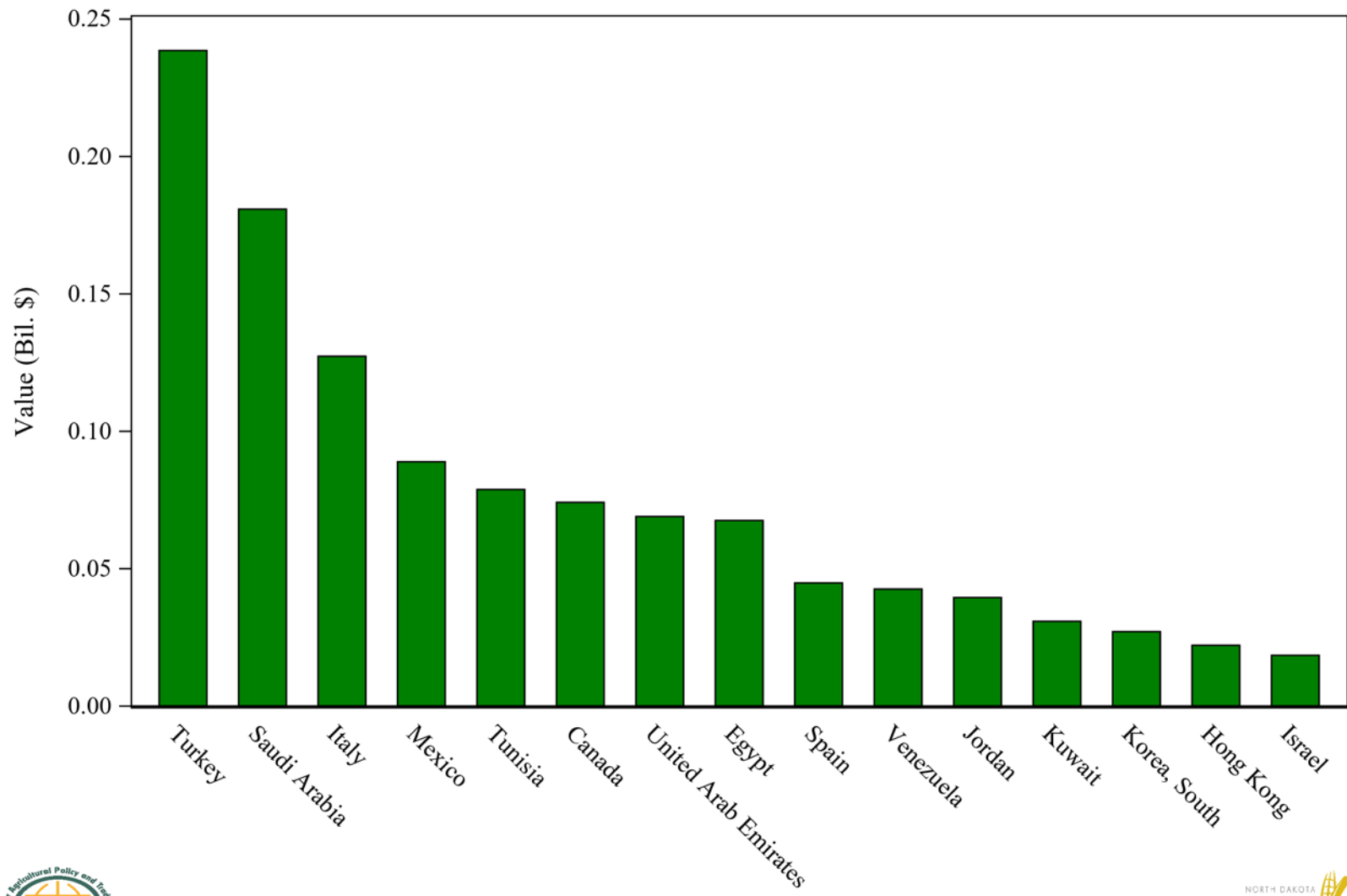
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Table 37: U.S. Corn Oil (CR) Export Value to Top 15 Countries, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Saudi Arabia	5	256,029,242	51,205,848	10,221,957	20.0	8.77
Turkey	5	222,384,694	44,476,939	13,489,563	30.3	7.48
Italy	5	123,405,520	24,681,104	11,079,094	44.9	4.02
Spain	5	122,623,115	24,524,623	19,455,980	79.3	3.75
Korea, South	5	86,754,905	17,350,981	3,914,281	22.6	2.93
Mexico	5	74,707,291	14,941,458	8,306,410	55.6	2.75
United Arab Emirates	5	62,588,698	12,517,740	6,765,925	54.1	2.02
Jordan	5	51,893,155	10,378,631	4,674,884	45.0	1.80
Greece	5	46,909,922	9,381,984	3,703,634	39.5	1.67
Singapore	5	37,503,832	7,500,766	1,509,822	20.1	1.28
Egypt	5	36,536,249	7,307,250	3,351,091	45.9	1.19
Hong Kong	5	35,724,351	7,144,870	2,227,641	31.2	1.23
Bahrain	4	35,643,215	8,910,804	3,386,375	38.0	1.51
Canada	5	30,611,088	6,122,218	5,336,572	87.2	0.93
Kuwait	5	29,503,226	5,900,645	1,045,301	17.7	1.01

Figure 48: U.S. Corn Oil (CR) Export Value to Top 15 Countries, 1999-2003



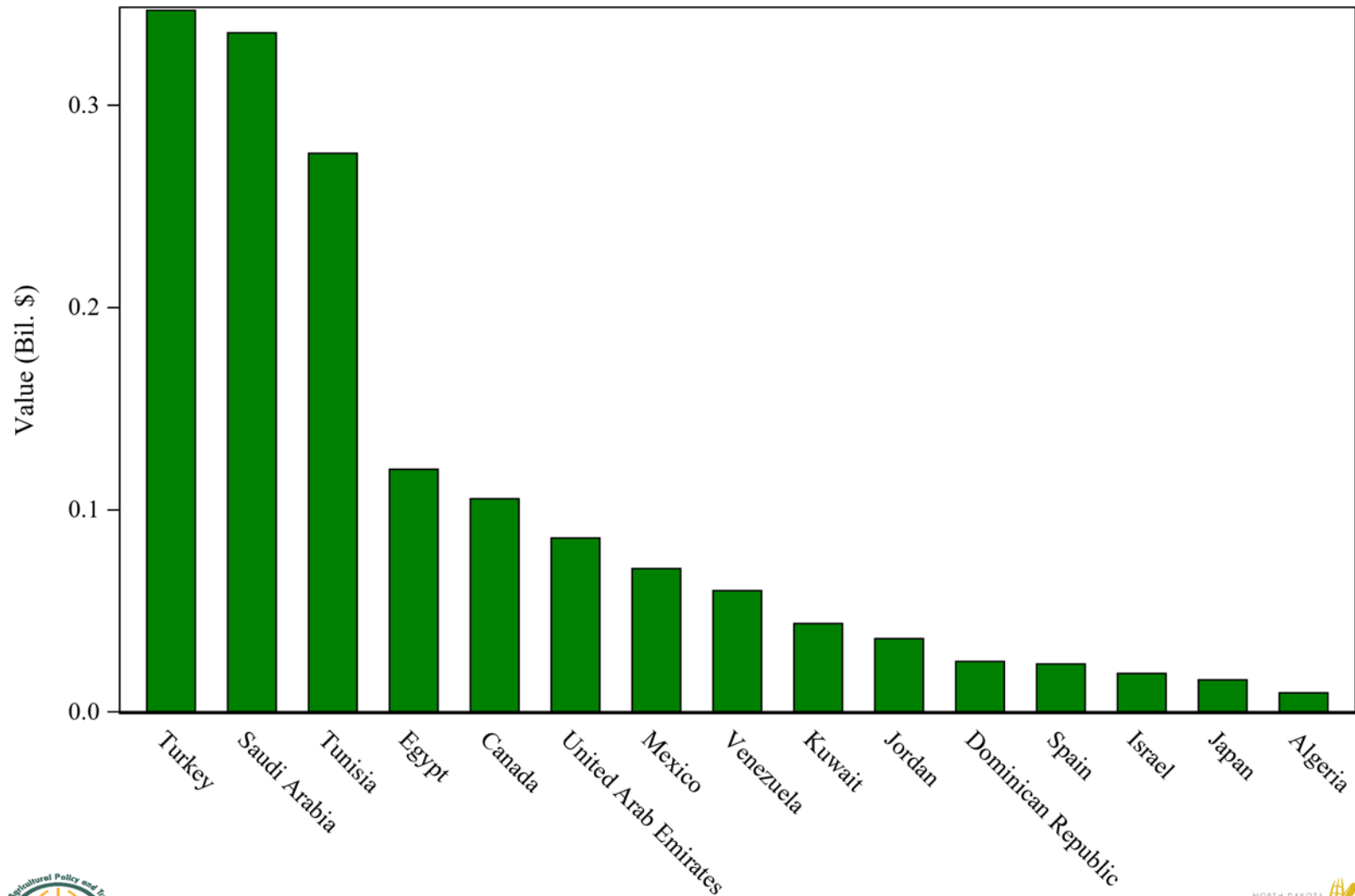
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Table 38: U.S. Corn Oil (CR) Export Value to Top 15 Countries, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Turkey	5	238,464,058	47,692,812	5,148,941	10.8	9.15
Saudi Arabia	5	180,748,573	36,149,715	10,786,151	29.8	6.87
Italy	5	127,231,825	25,446,365	15,363,952	60.4	4.96
Mexico	5	88,842,654	17,768,531	11,120,931	62.6	3.42
Tunisia	5	78,763,536	15,752,707	10,128,149	64.3	2.94
Canada	5	74,073,991	14,814,798	3,159,277	21.3	2.89
United Arab Emirates	5	68,935,845	13,787,169	1,867,680	13.5	2.64
Egypt	5	67,508,563	13,501,713	5,551,584	41.1	2.56
Spain	5	44,758,402	8,951,680	7,688,297	85.9	1.64
Venezuela	5	42,534,739	8,506,948	4,050,349	47.6	1.58
Jordan	5	39,452,547	7,890,509	2,680,296	34.0	1.47
Kuwait	5	30,780,775	6,156,155	2,512,547	40.8	1.15
Korea, South	5	27,040,575	5,408,115	4,284,924	79.2	1.02
Hong Kong	5	22,077,658	4,415,532	3,418,829	77.4	0.81
Israel	5	18,430,629	3,686,126	1,061,964	28.8	0.72

Figure 49: U.S. Corn Oil (CR) Export Value to Top 15 Countries, 2004-2008



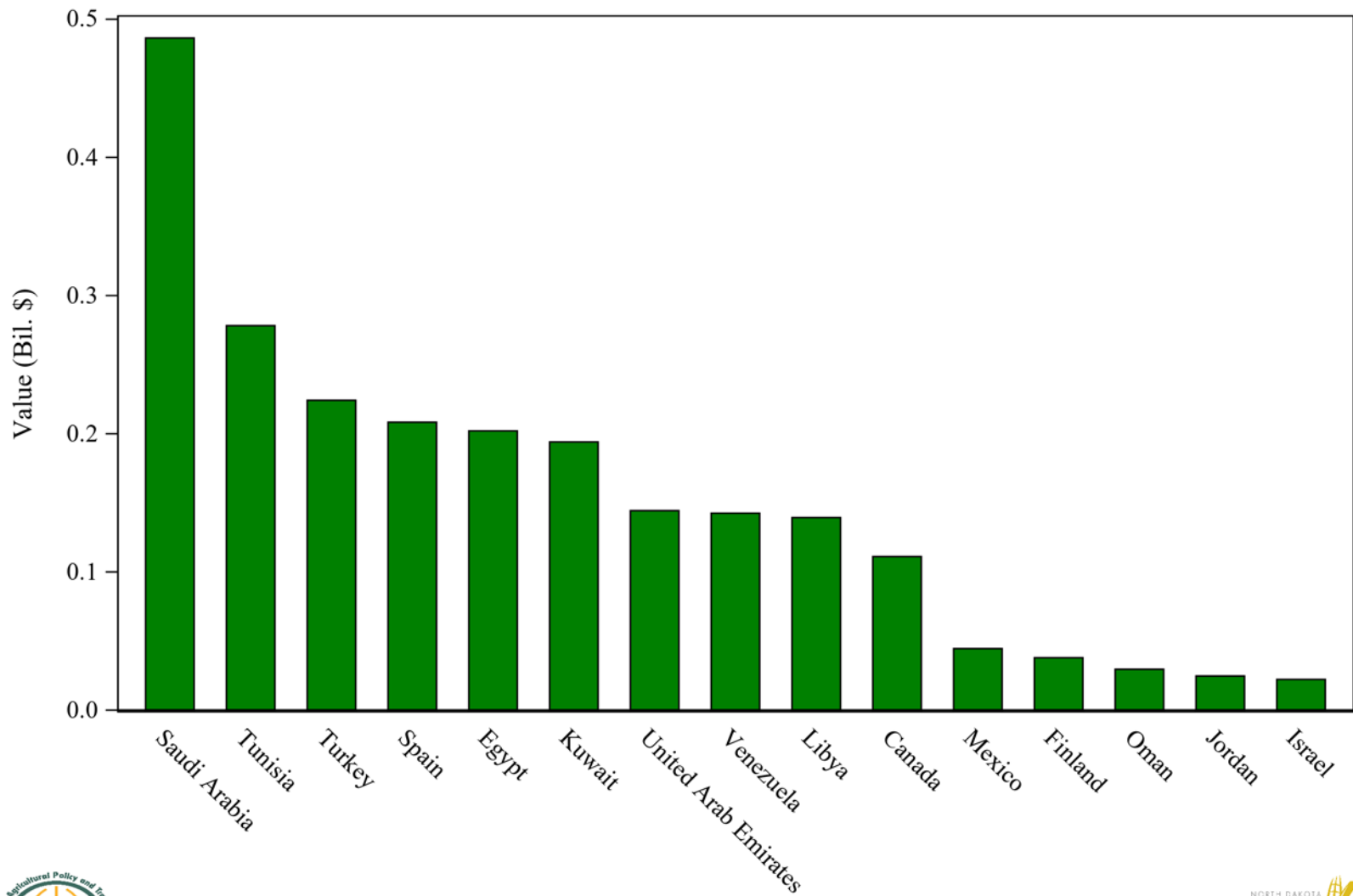
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Table 39: U.S. Corn Oil (CR) Export Value to Top 15 Countries, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Turkey	5	346,841,464	69,368,293	27,304,117	39.4	10.6
Saudi Arabia	5	335,714,672	67,142,934	39,815,927	59.3	9.68
Tunisia	5	276,126,586	55,225,317	19,672,983	35.6	9.31
Egypt	5	119,860,114	23,972,023	20,039,987	83.6	3.27
Canada	5	105,304,284	21,060,857	5,910,709	28.1	3.26
United Arab Emirates	5	85,888,443	17,177,689	13,016,174	75.8	2.44
Mexico	5	70,764,502	14,152,900	4,576,372	32.3	2.38
Venezuela	5	59,845,626	11,969,125	8,239,829	68.8	1.70
Kuwait	5	43,593,571	8,718,714	7,247,034	83.1	1.23
Jordan	5	36,139,255	7,227,851	2,290,268	31.7	1.21
Dominican Republic	5	24,835,127	4,967,025	2,972,031	59.8	0.73
Spain	4	23,603,472	5,900,868	11,178,407	189	0.57
Israel	5	18,914,958	3,782,992	645,276	17.1	0.62
Japan	5	15,725,792	3,145,158	1,589,956	50.6	0.54
Algeria	2	9,305,212	4,652,606	1,897,845	40.8	0.85

Figure 50: U.S. Corn Oil (CR) Export Value to Top 15 Countries, 2009-2013



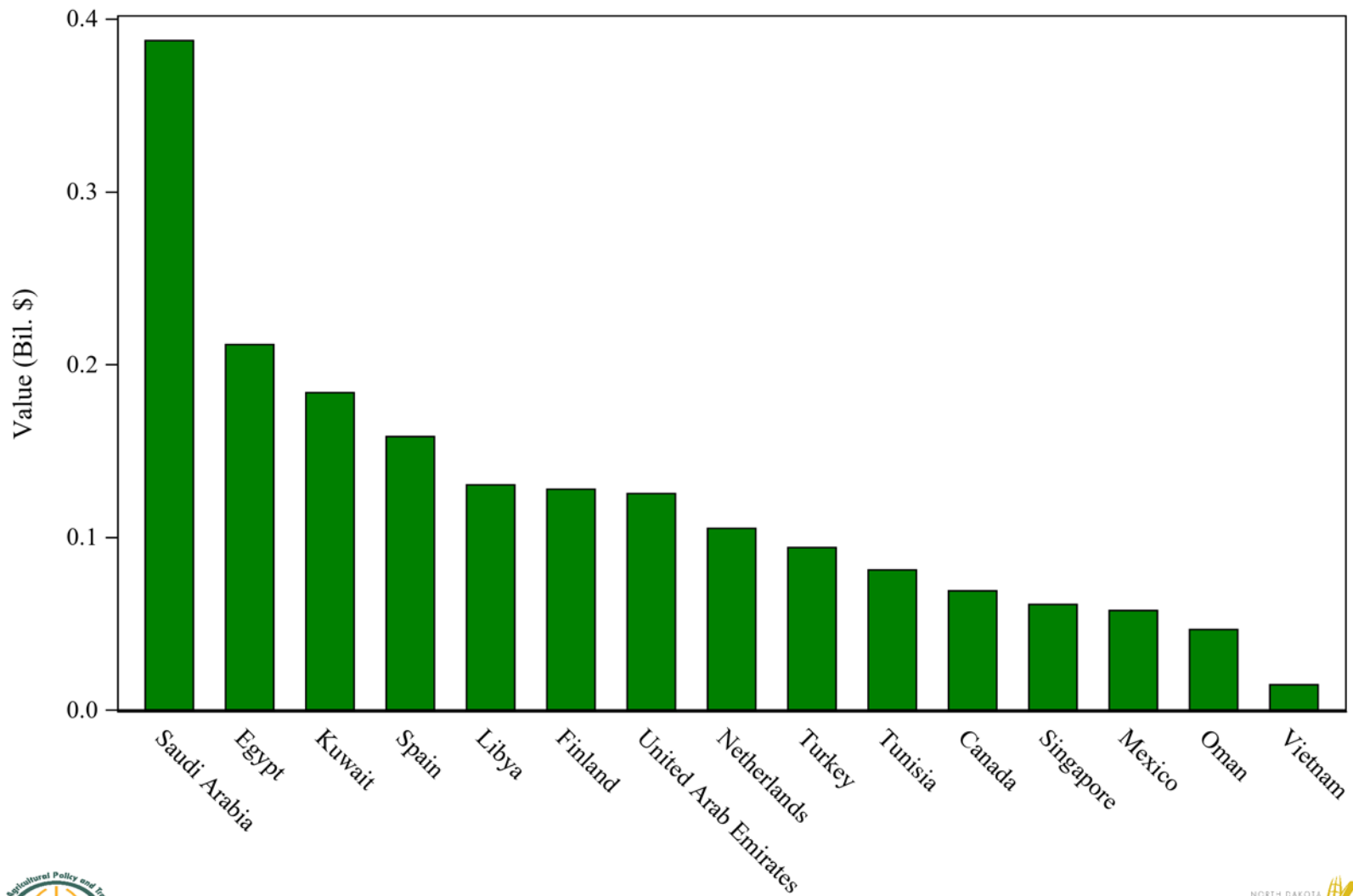
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Table 40: U.S. Corn Oil (CR) Export Value to Top 15 Countries, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Saudi Arabia	5	486,182,656	97,236,531	21,942,465	22.6	10.3
Tunisia	5	278,071,308	55,614,262	46,061,642	82.8	5.37
Turkey	5	224,082,442	44,816,488	5,856,258	13.1	5.09
Spain	3	208,216,629	69,405,543	68,991,722	99.4	5.64
Egypt	5	201,949,473	40,389,895	16,613,287	41.1	4.14
Kuwait	5	193,927,786	38,785,557	20,236,989	52.2	3.86
United Arab Emirates	5	144,218,332	28,843,666	9,563,687	33.2	3.03
Venezuela	5	142,357,892	28,471,578	14,373,588	50.5	3.16
Libya	5	139,174,510	27,834,902	17,650,717	63.4	2.77
Canada	5	110,982,345	22,196,469	3,038,367	13.7	2.47
Mexico	5	44,437,051	8,887,410	3,397,360	38.2	1.00
Finland	1	37,792,220	37,792,220	.	.	3.76
Oman	5	29,459,756	5,891,951	3,092,220	52.5	0.59
Jordan	5	24,597,973	4,919,595	2,000,164	40.7	0.57
Israel	5	22,093,261	4,418,652	860,587	19.5	0.49

Figure 51: U.S. Corn Oil (CR) Export Value to Top 15 Countries, 2014-2018



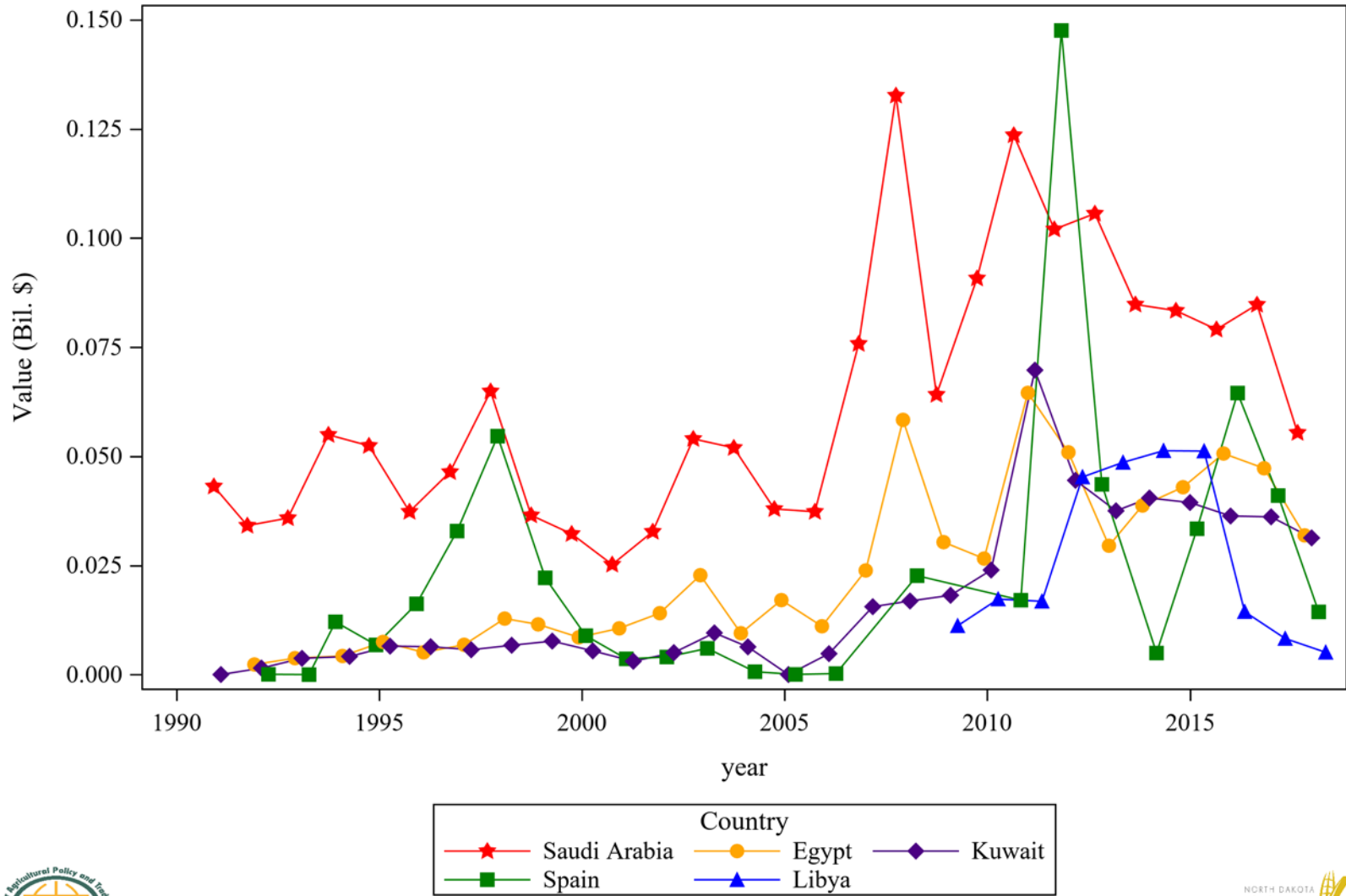
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Table 41: U.S. Corn Oil (CR) Export Value to Top 15 Countries, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Saudi Arabia	5	387,477,204	77,495,441	12,559,454	16.2	10.0
Egypt	5	211,503,647	42,300,729	7,344,176	17.4	5.48
Kuwait	5	183,681,323	36,736,265	3,566,345	9.7	4.83
Spain	5	158,269,021	31,653,804	23,357,290	73.8	3.90
Libya	5	130,306,594	26,061,319	23,243,016	89.2	3.13
Finland	5	127,769,227	25,553,845	16,959,962	66.4	3.01
United Arab Emirates	5	125,267,351	25,053,470	11,569,510	46.2	3.22
Netherlands	5	105,113,492	21,022,698	21,874,873	104	2.51
Turkey	5	94,018,230	18,803,646	8,306,304	44.2	2.40
Tunisia	5	81,060,441	16,212,088	8,740,621	53.9	2.03
Canada	5	68,982,899	13,796,580	506,740	3.7	1.84
Singapore	5	61,112,437	12,222,487	10,005,568	81.9	1.62
Mexico	5	57,610,776	11,522,155	3,805,119	33.0	1.55
Oman	5	46,559,892	9,311,978	2,809,800	30.2	1.24
Vietnam	5	14,614,284	2,922,857	594,703	20.3	0.38

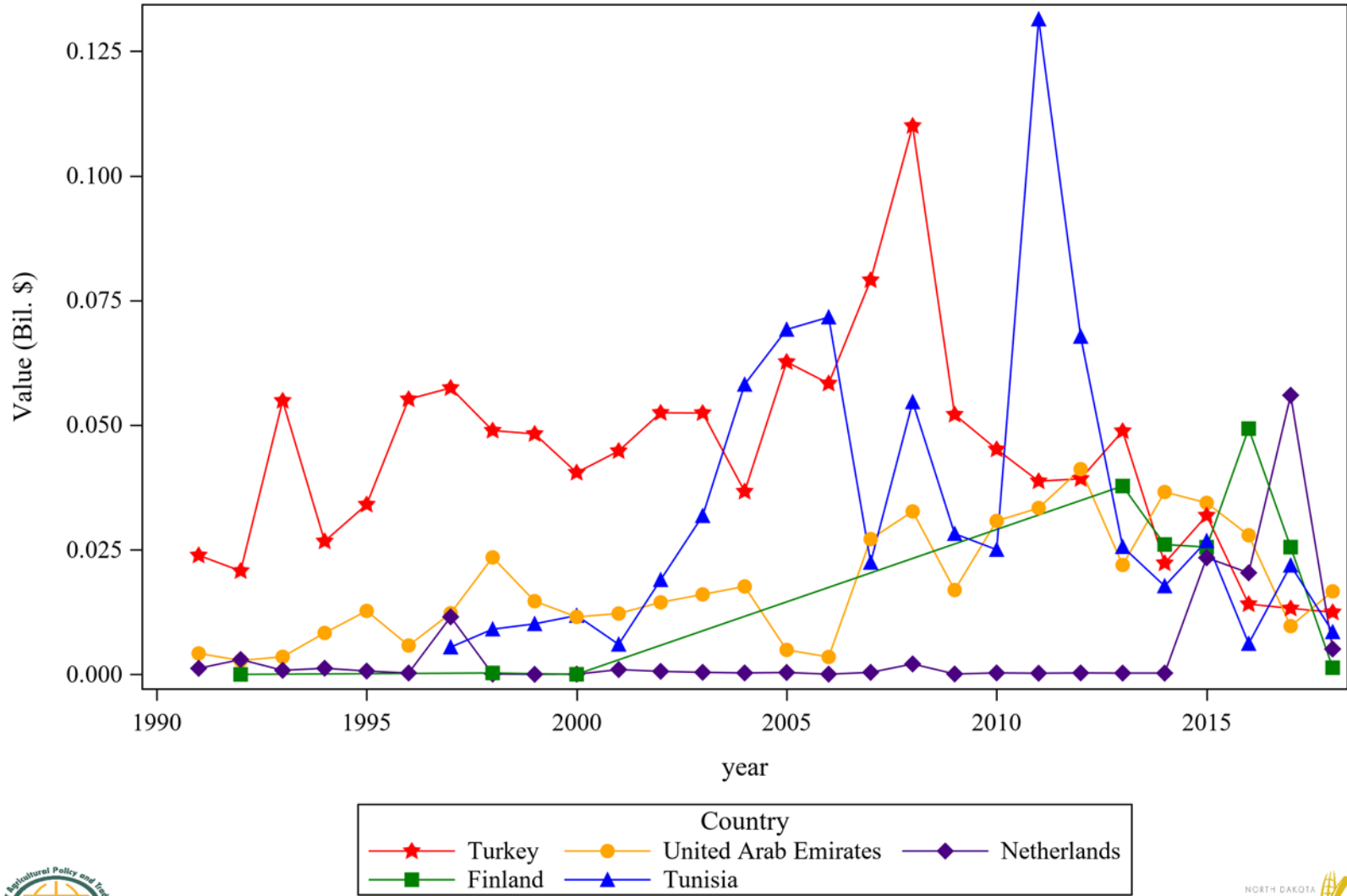
Figure 52: U.S. Corn Oil (CR) Export Value to Top 5 Countries, Annual Trends



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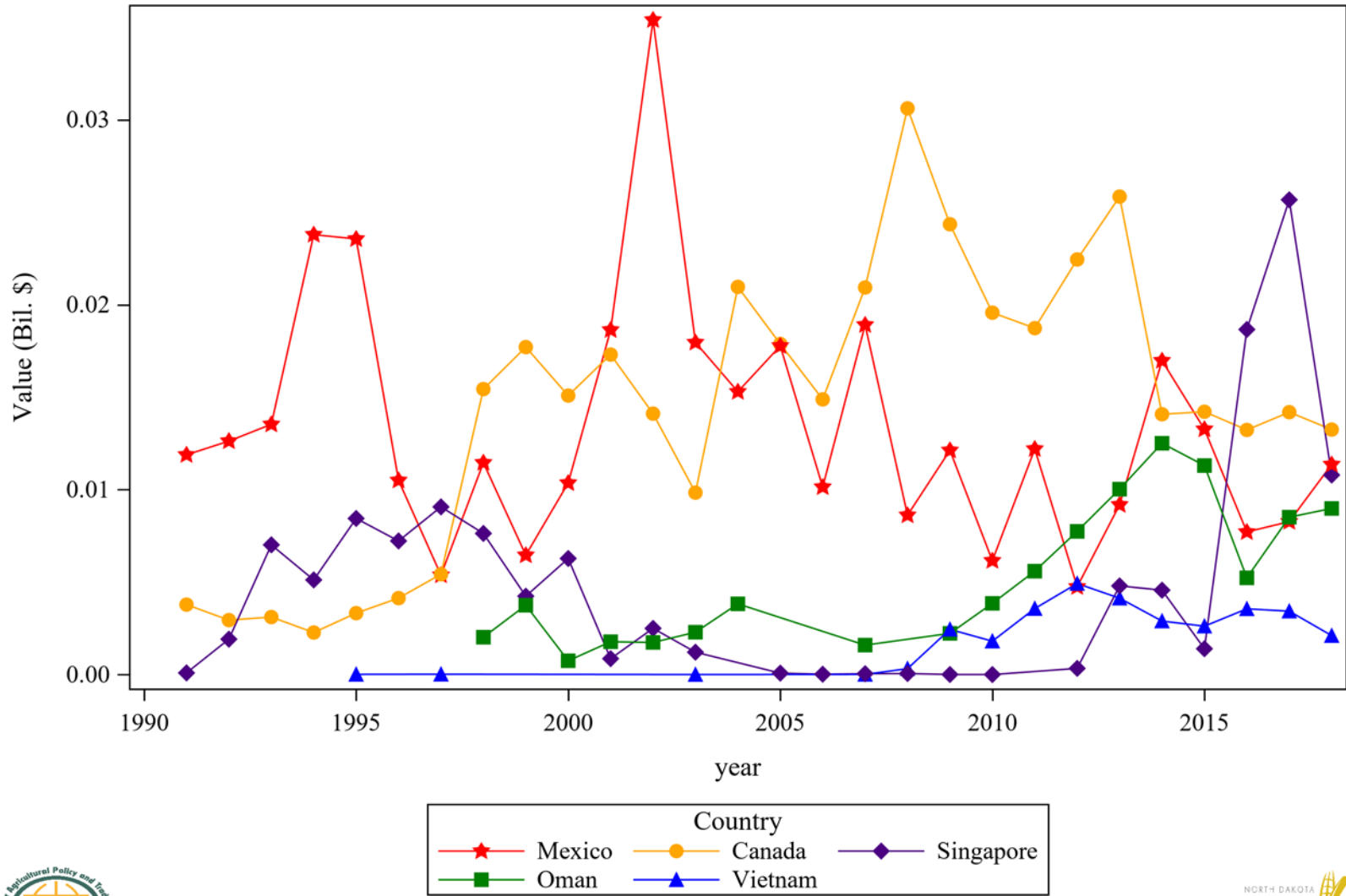
Figure 53: U.S. Corn Oil (CR) Export Value to Top 6 to 10 Countries, Annual Trends



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Figure 54: U.S. Corn Oil (CR) Export Value to Top 11 to 15 Countries, Annual Trends



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Table 42: U.S. Corn Oil (CR) Export Value to Top 15 Countries, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
Saudi Arabia	90,793,818	123,601,871	102,022,406	105,631,831	84,813,434	83,382,455	79,090,603	84,769,866	55,420,846
Egypt	26,586,599	64,550,899	50,928,337	29,531,499	38,740,783	42,937,339	50,654,208	47,271,534	31,899,783
Kuwait	23,955,412	69,753,847	44,515,983	37,526,493	40,454,460	39,422,121	36,342,903	36,141,057	31,320,782
Spain	.	17,050,871	147,583,830	43,581,928	4,944,000	33,415,360	64,510,572	41,020,500	14,378,589
Libya	17,301,822	16,794,288	45,271,872	48,621,519	51,299,966	51,213,951	14,419,500	8,270,044	5,103,133
Finland	.	.	.	37,792,220	26,063,000	25,528,688	49,302,333	25,535,206	1,340,000
United Arab Emirates	30,783,830	33,377,655	41,175,592	21,953,045	36,590,166	34,411,959	27,916,422	9,687,532	16,661,272
Netherlands	298,880	234,135	294,279	257,808	256,152	23,406,532	20,376,532	55,989,461	5,084,815
Turkey	45,155,276	38,761,675	39,237,557	48,806,410	22,318,569	31,867,664	14,109,885	13,245,353	12,476,759
Tunisia	25,019,698	131,454,390	67,773,806	25,604,180	17,722,231	26,766,621	6,174,834	21,873,460	8,523,295
Canada	19,576,672	18,739,864	22,454,237	25,854,301	14,081,334	14,218,289	13,234,745	14,194,426	13,254,105
Singapore	2,715	.	336,778	4,799,100	4,567,192	1,400,000	18,667,519	25,681,437	10,796,289
Mexico	6,162,096	12,204,574	4,750,145	9,187,812	16,980,265	13,273,417	7,716,463	8,274,025	11,366,606
Oman	3,853,149	5,594,748	7,749,219	10,032,488	12,512,998	11,307,538	5,236,298	8,515,155	8,987,903
Vietnam	1,807,599	3,572,430	4,926,426	4,132,966	2,896,184	2,618,876	3,557,653	3,431,222	2,110,349

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