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**CORN TRADE REPORT: APPENDIX
Section II**



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Acknowledgments

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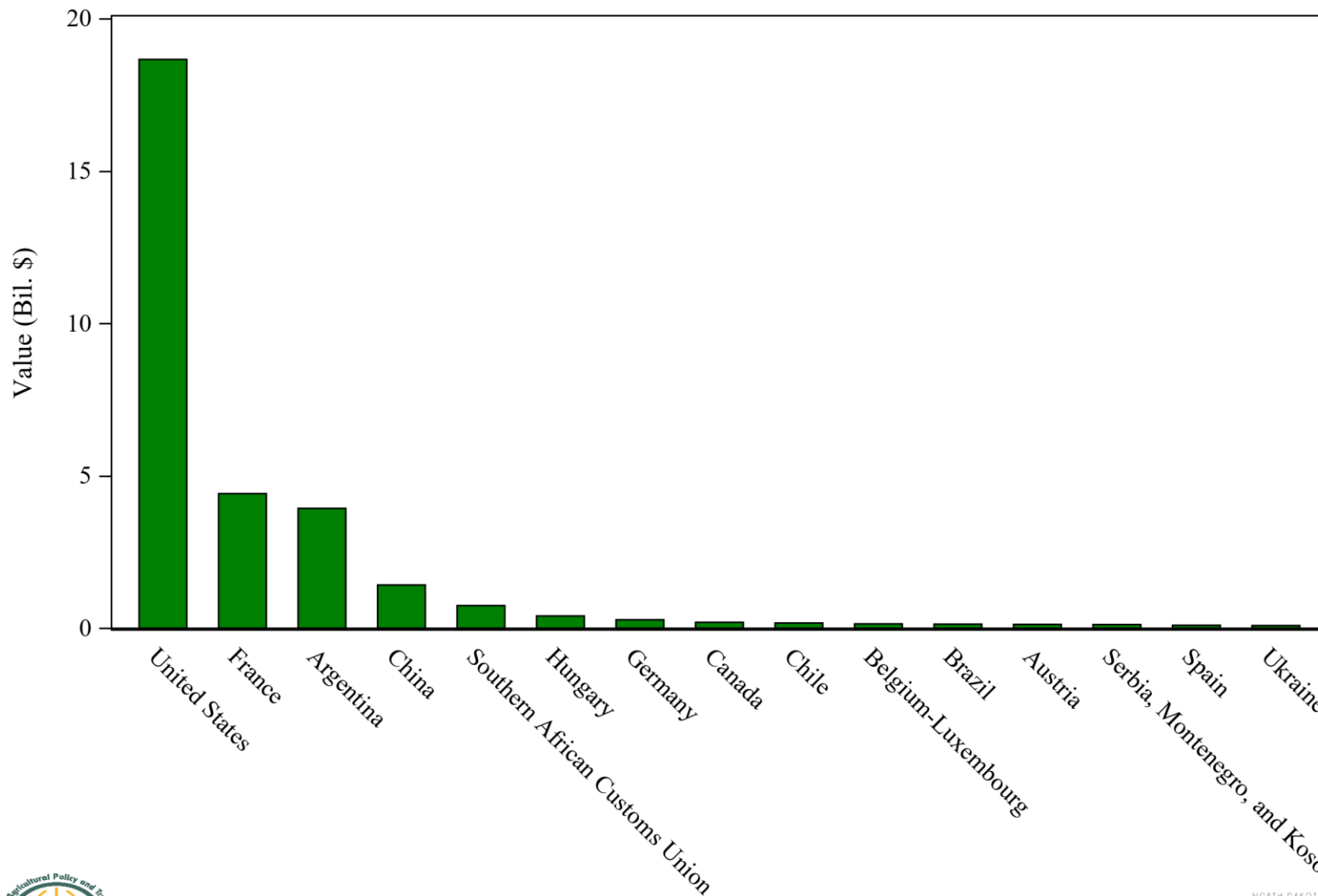
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Section II: Global Spatial Corn Export

Figure 1: Top 15 Countries Corn Grain & Seed Export Value, 1994-1998



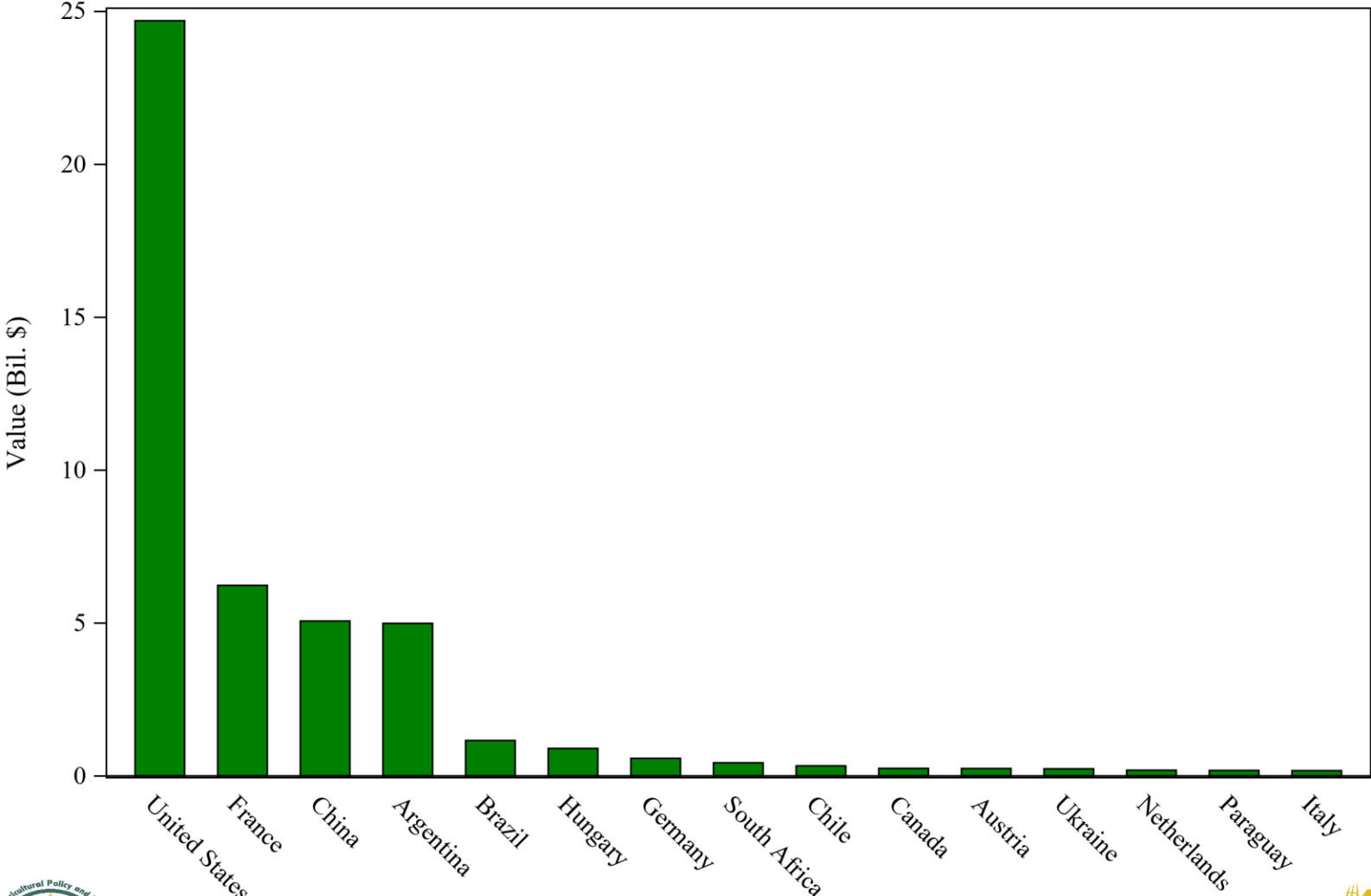
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Table 1: Top 15 Countries Corn Grain & Seed Export Value, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	3	18,664,008,824	6,221,336,275	2,120,589,894	34.1	58.5
France	3	4,417,718,139	1,472,572,713	125,197,197	8.5	13.8
Argentina	3	3,934,019,225	1,311,339,742	62,353,994	4.8	12.3
China	3	1,420,899,555	473,633,185	417,376,654	88.1	4.45
Southern African Customs Union	3	744,081,858	248,027,286	121,083,736	48.8	2.33
Hungary	3	403,482,000	134,494,000	83,338,841	62.0	1.26
Germany	3	278,223,624	92,741,208	7,849,884	8.5	0.87
Canada	3	195,479,646	65,159,882	32,338,173	49.6	0.61
Chile	3	171,965,306	57,321,769	24,253,711	42.3	0.54
Belgium-Luxembourg	3	144,342,854	48,114,285	29,506,726	61.3	0.45
Brazil	3	135,630,047	45,210,016	30,537,516	67.5	0.43
Austria	3	127,731,111	42,577,037	10,764,482	25.3	0.40
Serbia, Montenegro, and Kosovo	3	122,112,000	40,704,000	10,832,977	26.6	0.38
Spain	3	98,239,379	32,746,460	1,776,210	5.4	0.31
Ukraine	3	88,266,538	29,422,179	21,346,330	72.6	0.28

Figure 2: Top 15 Countries Corn Grain & Seed Export Value, 1999-2003



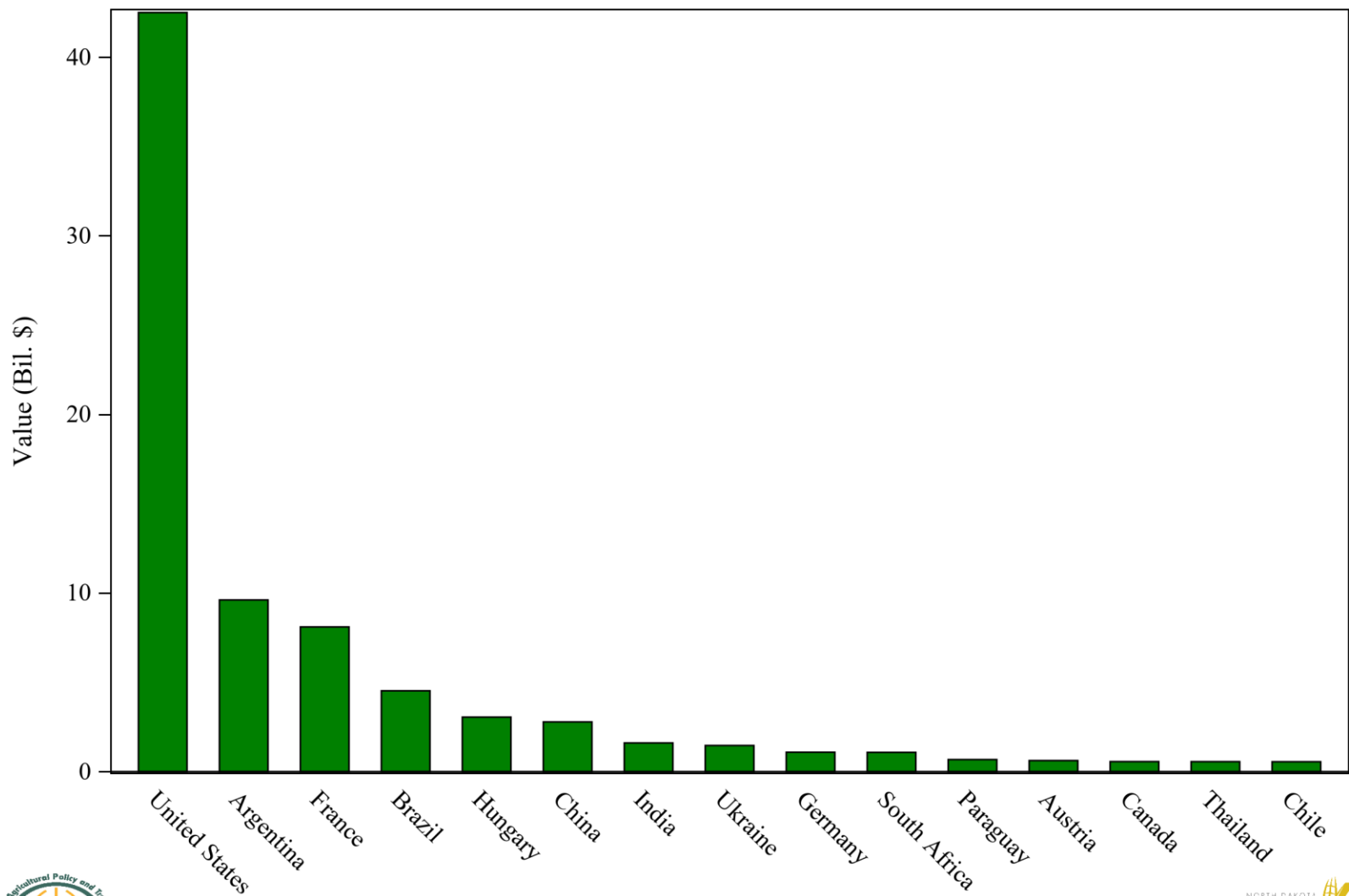
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Table 2: Top 15 Countries Corn Grain & Seed Export Value, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	24,688,903,830	4,937,780,766	200,207,997	4.1	52.2
France	5	6,229,209,219	1,245,841,844	133,684,772	10.7	13.2
China	5	5,061,407,594	1,012,281,519	514,921,810	50.9	10.7
Argentina	5	4,986,476,271	997,295,254	154,088,122	15.5	10.5
Brazil	5	1,156,780,211	231,356,042	219,204,835	94.7	2.45
Hungary	5	896,317,000	179,263,400	30,365,903	16.9	1.90
Germany	5	573,369,046	114,673,809	31,540,301	27.5	1.21
South Africa	4	426,561,627	106,640,407	34,688,377	32.5	0.90
Chile	5	327,669,404	65,533,881	2,505,376	3.8	0.69
Canada	5	244,677,821	48,935,564	27,196,325	55.6	0.52
Austria	5	239,661,953	47,932,391	19,658,265	41.0	0.51
Ukraine	5	230,417,997	46,083,599	34,891,259	75.7	0.49
Netherlands	5	184,655,960	36,931,192	6,407,424	17.3	0.39
Paraguay	5	177,797,708	35,559,542	23,222,312	65.3	0.38
Italy	5	170,934,636	34,186,927	14,296,364	41.8	0.36

Figure 3: Top 15 Countries Corn Grain & Seed Export Value, 2004-2008



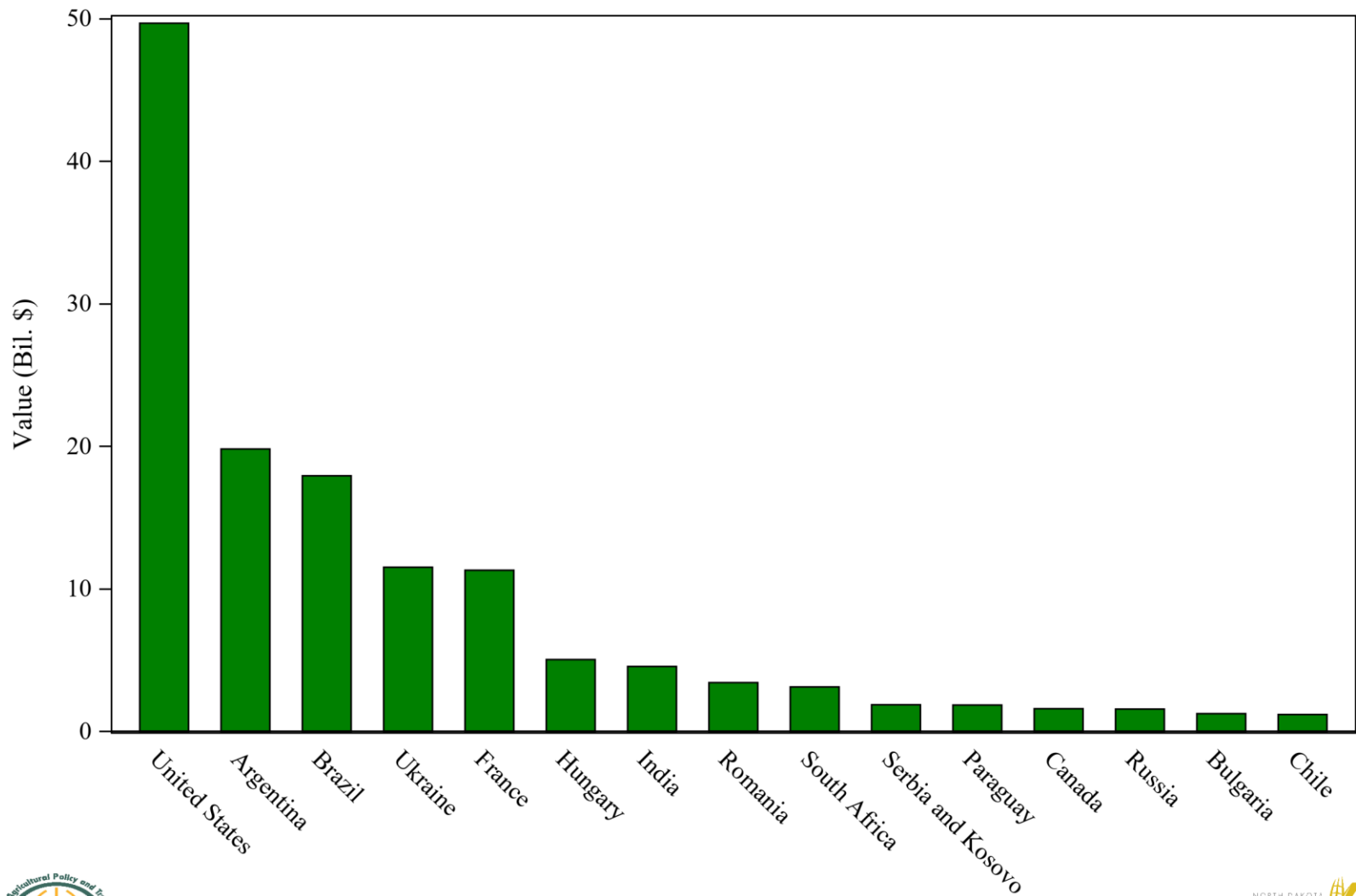
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Table 3: Top 15 Countries Corn Grain & Seed Export Value, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	42,498,157,822	8,499,631,564	3,546,311,646	41.7	50.8
Argentina	5	9,609,275,603	1,921,855,121	996,185,219	51.8	11.5
France	5	8,100,083,434	1,620,016,687	401,913,922	24.8	9.68
Brazil	5	4,524,188,555	904,837,711	735,947,676	81.3	5.41
Hungary	5	3,049,532,000	609,906,400	400,551,541	65.7	3.64
China	5	2,780,696,584	556,139,317	418,540,235	75.3	3.32
India	5	1,604,706,541	320,941,308	349,594,743	109	1.92
Ukraine	5	1,460,293,171	292,058,634	215,365,082	73.7	1.74
Germany	5	1,082,368,907	216,473,781	32,575,180	15.0	1.29
South Africa	5	1,075,586,791	215,117,358	193,698,826	90.0	1.29
Paraguay	5	673,089,402	134,617,880	100,430,526	74.6	0.80
Austria	5	616,963,910	123,392,782	37,833,665	30.7	0.74
Canada	5	558,992,705	111,798,541	94,125,257	84.2	0.67
Thailand	5	555,522,263	111,104,453	71,961,901	64.8	0.66
Chile	5	550,380,292	110,076,058	40,882,675	37.1	0.66

Figure 4: Top 15 Countries Corn Grain & Seed Export Value, 2009-2013



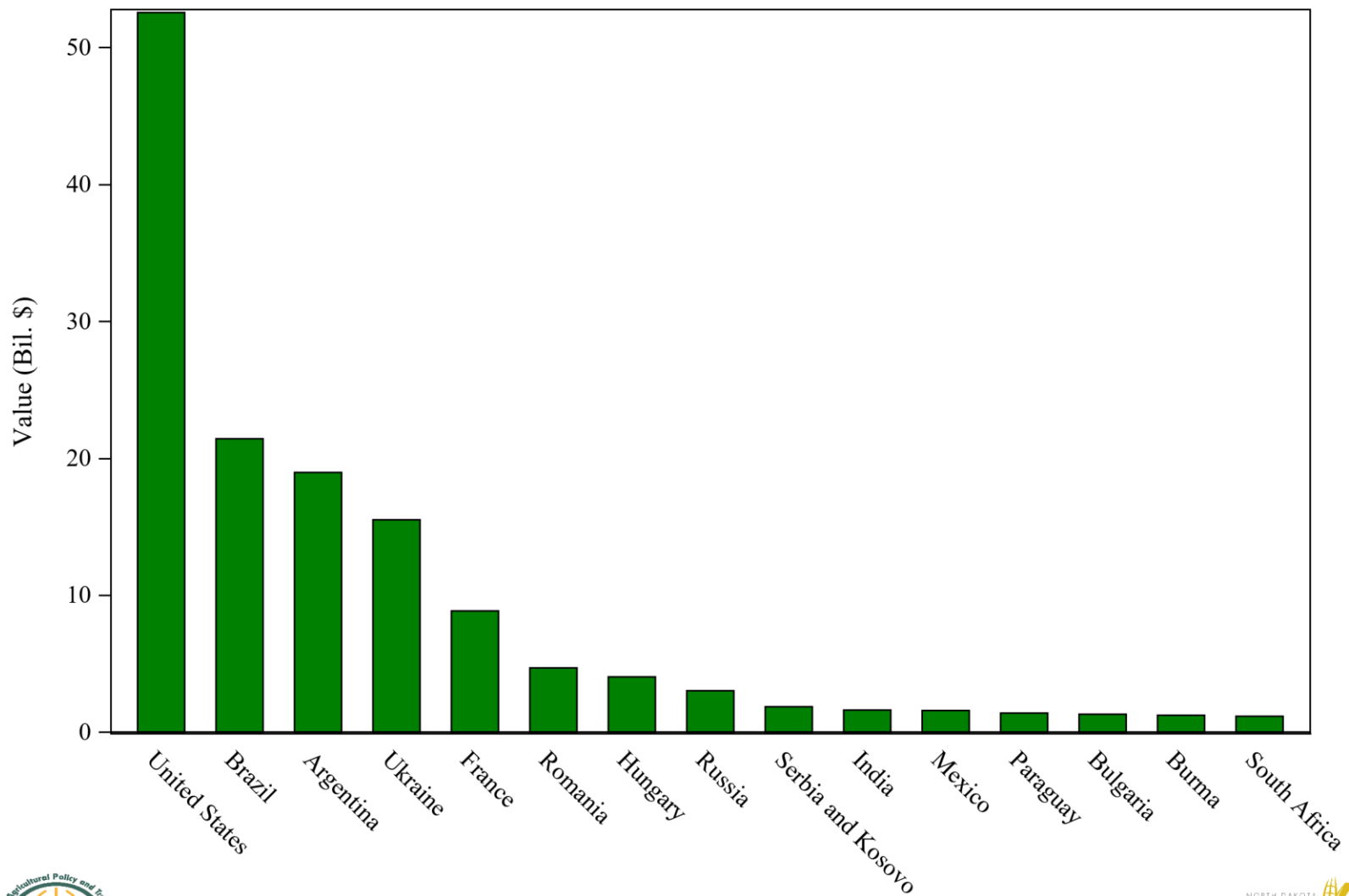
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Table 4: Top 15 Countries Corn Grain & Seed Export Value, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	49,680,613,972	9,936,122,794	2,567,738,894	25.8	33.6
Argentina	5	19,803,568,596	3,960,713,719	1,633,259,756	41.2	13.4
Brazil	5	17,925,022,346	3,585,004,469	2,149,888,638	60.0	12.1
Ukraine	5	11,507,670,797	2,301,534,159	1,494,890,341	65.0	7.79
France	5	11,297,097,128	2,259,419,426	386,914,559	17.1	7.65
Hungary	5	5,028,701,137	1,005,740,227	228,732,791	22.7	3.40
India	5	4,541,715,901	908,343,180	348,238,463	38.3	3.07
Romania	5	3,410,353,241	682,070,648	249,227,439	36.5	2.31
South Africa	5	3,109,019,202	621,803,840	212,067,767	34.1	2.10
Serbia and Kosovo	5	1,856,971,365	371,394,273	141,134,773	38.0	1.26
Paraguay	5	1,837,495,970	367,499,194	139,537,590	38.0	1.24
Canada	5	1,580,032,279	316,006,456	175,878,250	55.7	1.07
Russia	5	1,554,214,897	310,842,979	253,199,673	81.5	1.05
Bulgaria	5	1,234,261,473	246,852,295	150,050,653	60.8	0.84
Chile	5	1,172,616,231	234,523,246	87,553,615	37.3	0.79

Figure 5: Top 15 Countries Corn Grain & Seed Export Value, 2014-2018



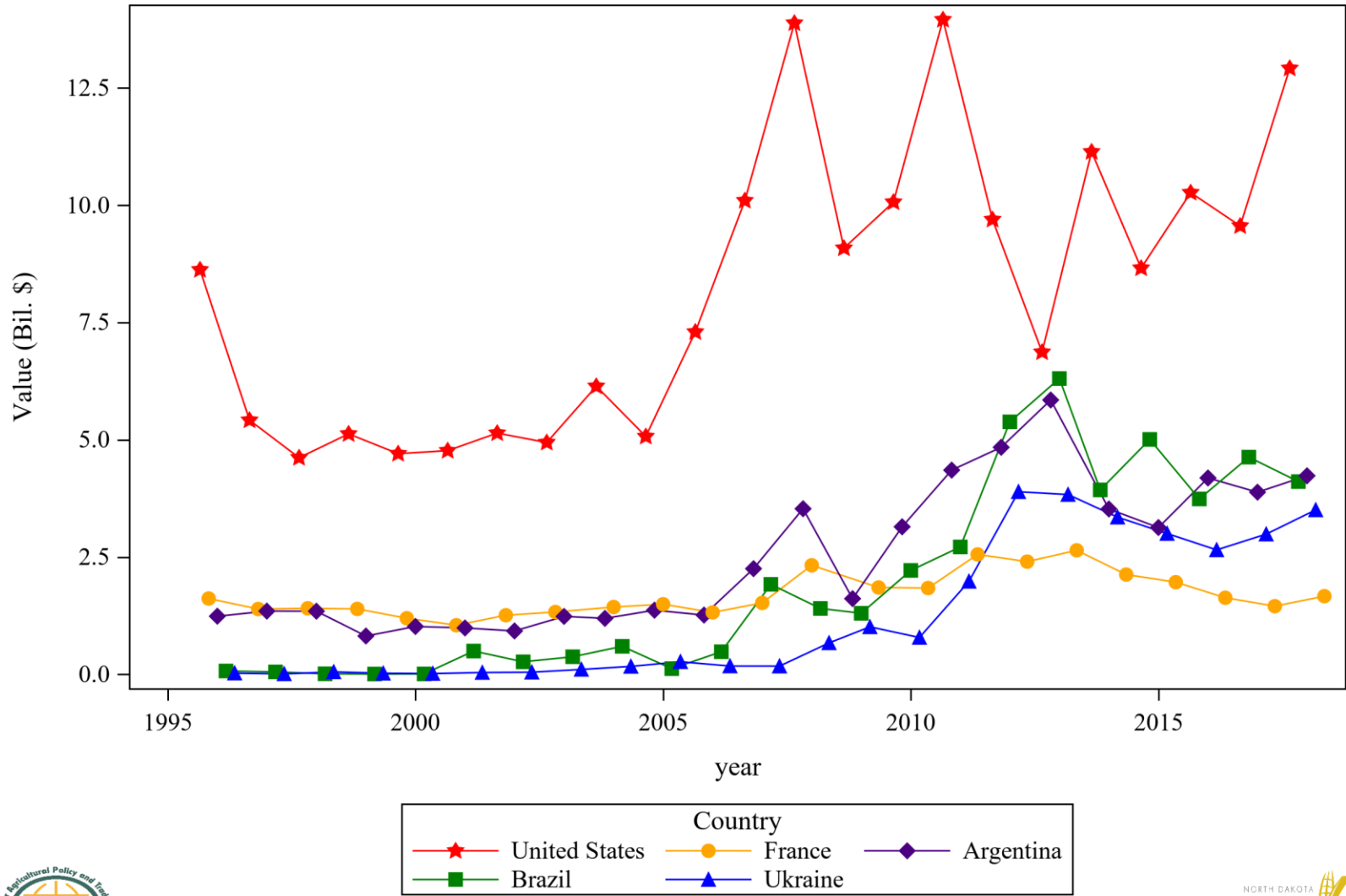
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Table 5: Top 15 Countries Corn Grain & Seed Export Value, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	52,553,109,158	10,510,621,832	1,627,095,044	15.5	35.0
Brazil	5	21,421,705,525	4,284,341,105	523,526,844	12.2	14.3
Argentina	5	18,959,720,260	3,791,944,052	466,154,314	12.3	12.6
Ukraine	5	15,501,600,405	3,100,320,081	335,098,726	10.8	10.3
France	5	8,846,444,952	1,769,288,990	271,646,432	15.4	5.89
Romania	5	4,683,996,855	936,799,371	129,069,933	13.8	3.12
Hungary	5	4,029,228,427	805,845,685	102,810,174	12.8	2.68
Russia	4	3,014,803,180	753,700,795	125,929,277	16.7	2.01
Serbia and Kosovo	5	1,842,928,135	368,585,627	91,872,554	24.9	1.23
India	5	1,602,787,893	320,557,579	294,521,609	91.9	1.07
Mexico	5	1,568,714,650	313,742,930	123,825,386	39.5	1.04
Paraguay	4	1,381,864,527	345,466,132	80,616,618	23.3	0.92
Bulgaria	5	1,299,637,672	259,927,534	77,563,346	29.8	0.87
Burma	4	1,224,953,178	306,238,295	59,174,486	19.3	0.82
South Africa	3	1,149,092,996	383,030,999	199,411,783	52.1	0.77

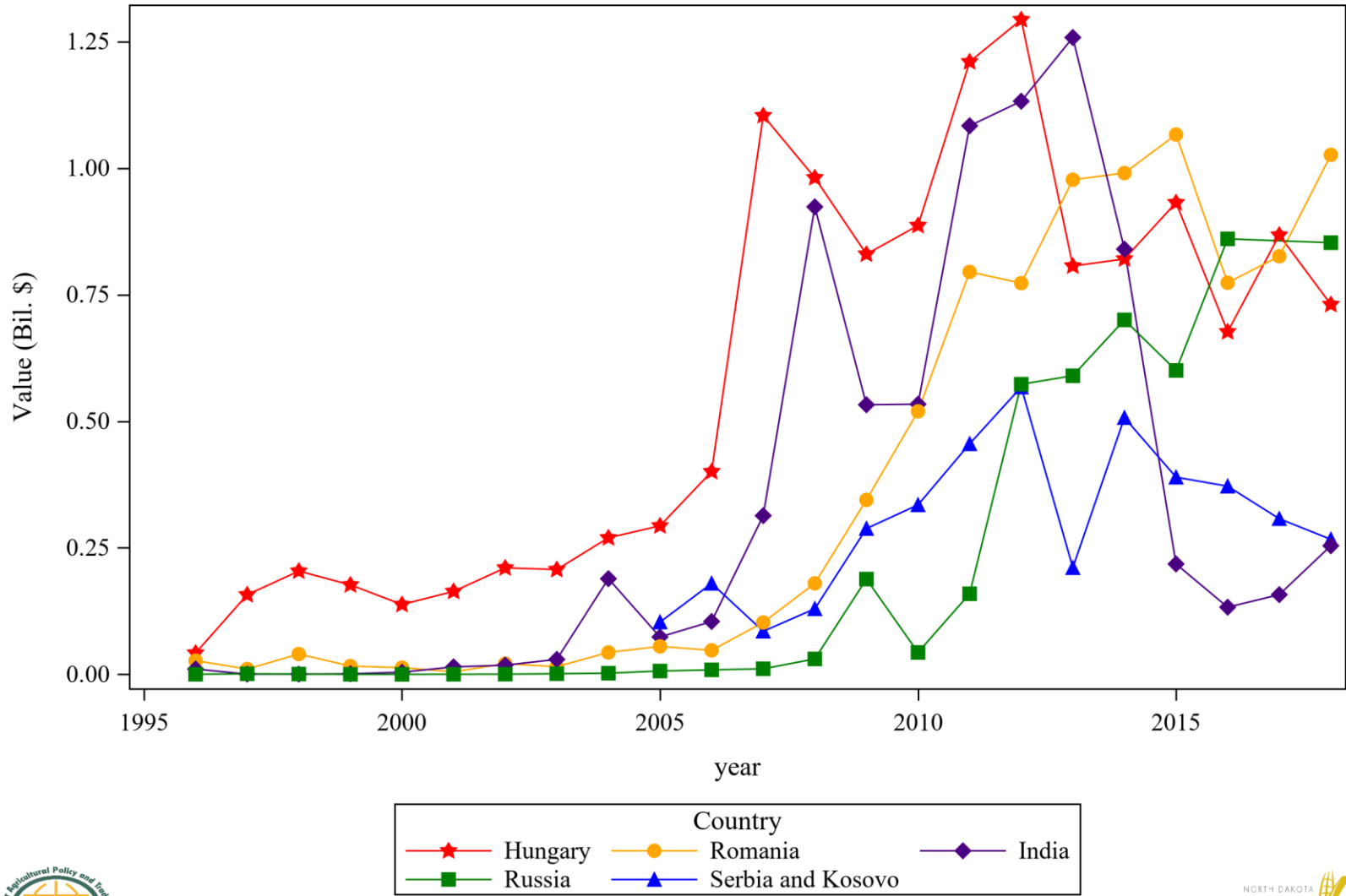
Figure 6: Top 5 Countries Corn Grain & Seed Export Value, Annual Trends



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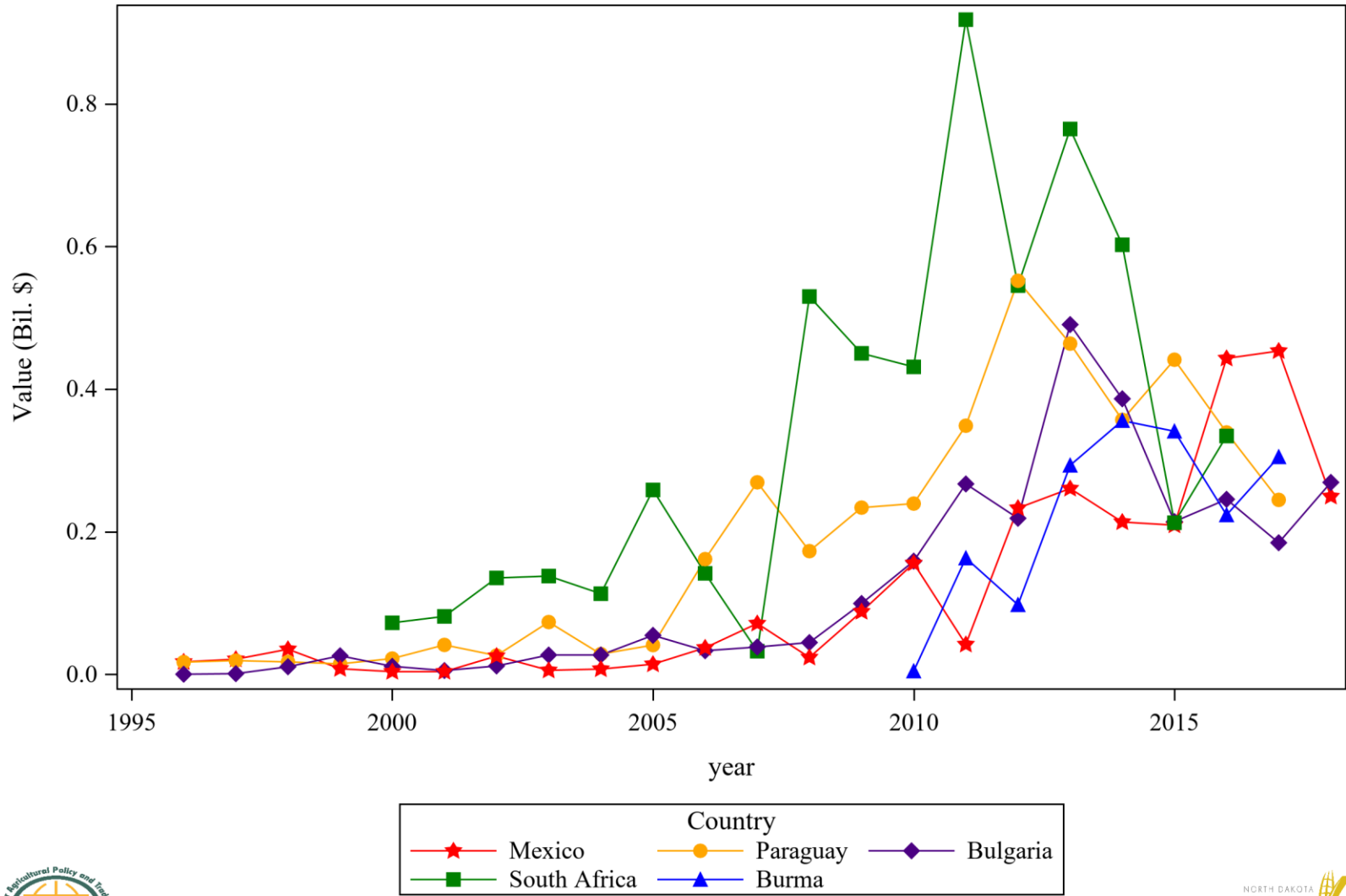
Figure 7: Top 6 to 10 Countries Corn Grain & Seed Export Value, Annual Trends



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Figure 8: Top 11 to 15 Countries Corn Grain & Seed Export Value, Annual Trends



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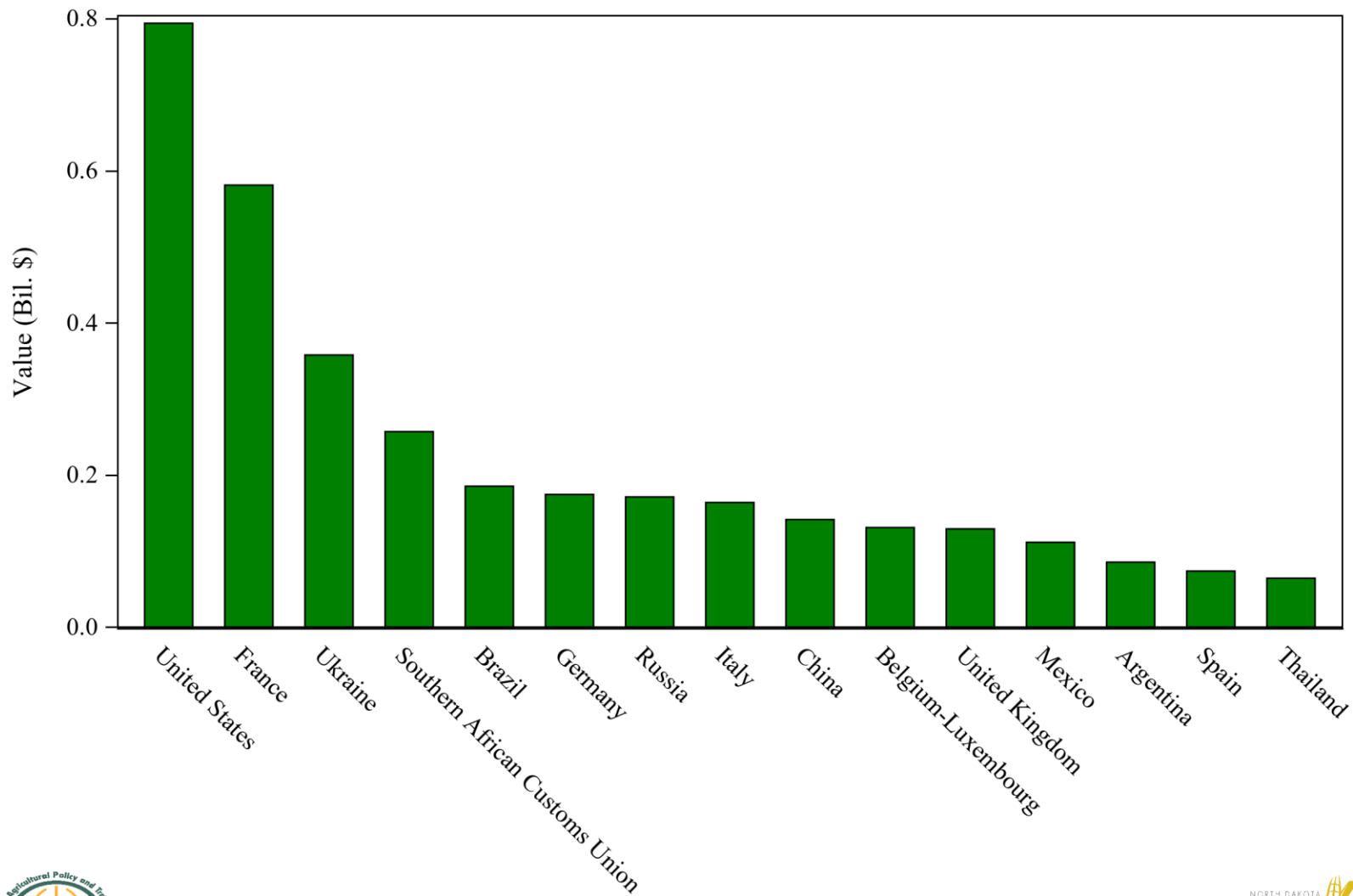


Table 6: Top 15 Countries Corn Grain & Seed Export Value, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
United States	10,068,127,243	13,958,385,090	9,697,188,758	6,870,505,996	11,140,698,297	8,660,657,330	10,270,769,677	9,560,099,361	12,920,884,493
Brazil	2,215,549,758	2,716,353,632	5,383,337,582	6,307,631,410	3,931,914,031	5,008,963,477	3,739,923,173	4,631,045,783	4,109,859,061
Argentina	3,145,799,483	4,354,220,868	4,841,077,688	5,849,118,090	3,525,199,034	3,129,963,945	4,187,164,687	3,883,602,124	4,233,790,470
Ukraine	785,902,165	1,982,725,217	3,892,991,032	3,833,301,597	3,350,704,296	3,002,492,532	2,653,206,151	2,989,132,774	3,506,064,652
France	1,840,271,990	2,556,754,720	2,403,324,484	2,644,457,516	2,127,398,326	1,965,104,838	1,633,589,364	1,453,615,674	1,666,736,750
Romania	519,776,494	795,289,128	773,092,886	977,431,560	990,685,903	1,066,700,562	773,833,551	826,179,942	1,026,596,897
Hungary	886,987,000	1,210,550,000	1,293,790,095	806,964,042	820,915,027	932,214,850	677,010,323	868,120,737	730,967,490
Russia	43,284,773	159,272,086	573,307,538	590,072,780	700,472,854	600,625,010	860,629,233	.	853,076,083
Serbia and Kosovo	334,923,074	455,543,765	567,651,333	210,724,208	507,215,900	389,586,686	371,796,610	307,581,951	266,746,988
India	533,820,332	1,084,026,091	1,132,559,140	1,258,528,074	840,349,975	218,071,089	132,700,323	157,508,279	254,158,227
Mexico	155,741,681	41,951,381	233,143,754	260,576,645	213,595,538	209,177,259	443,065,767	453,421,341	249,454,745
Paraguay	239,442,891	348,659,392	551,854,771	463,749,926	356,873,938	441,178,450	339,175,355	244,636,784	.
Bulgaria	158,722,508	266,984,475	218,804,652	490,437,715	386,379,948	214,183,536	245,427,150	184,517,779	269,129,259
Burma	4,529,515	163,026,499	97,517,604	293,098,623	355,745,983	340,855,177	223,451,030	304,900,988	.
South Africa	431,121,317	918,010,092	545,053,539	764,720,051	602,336,447	212,600,815	334,155,734	.	.

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Figure 9: Top 15 Countries Corn Ethyl Alcohol Export Value, 1994-1998



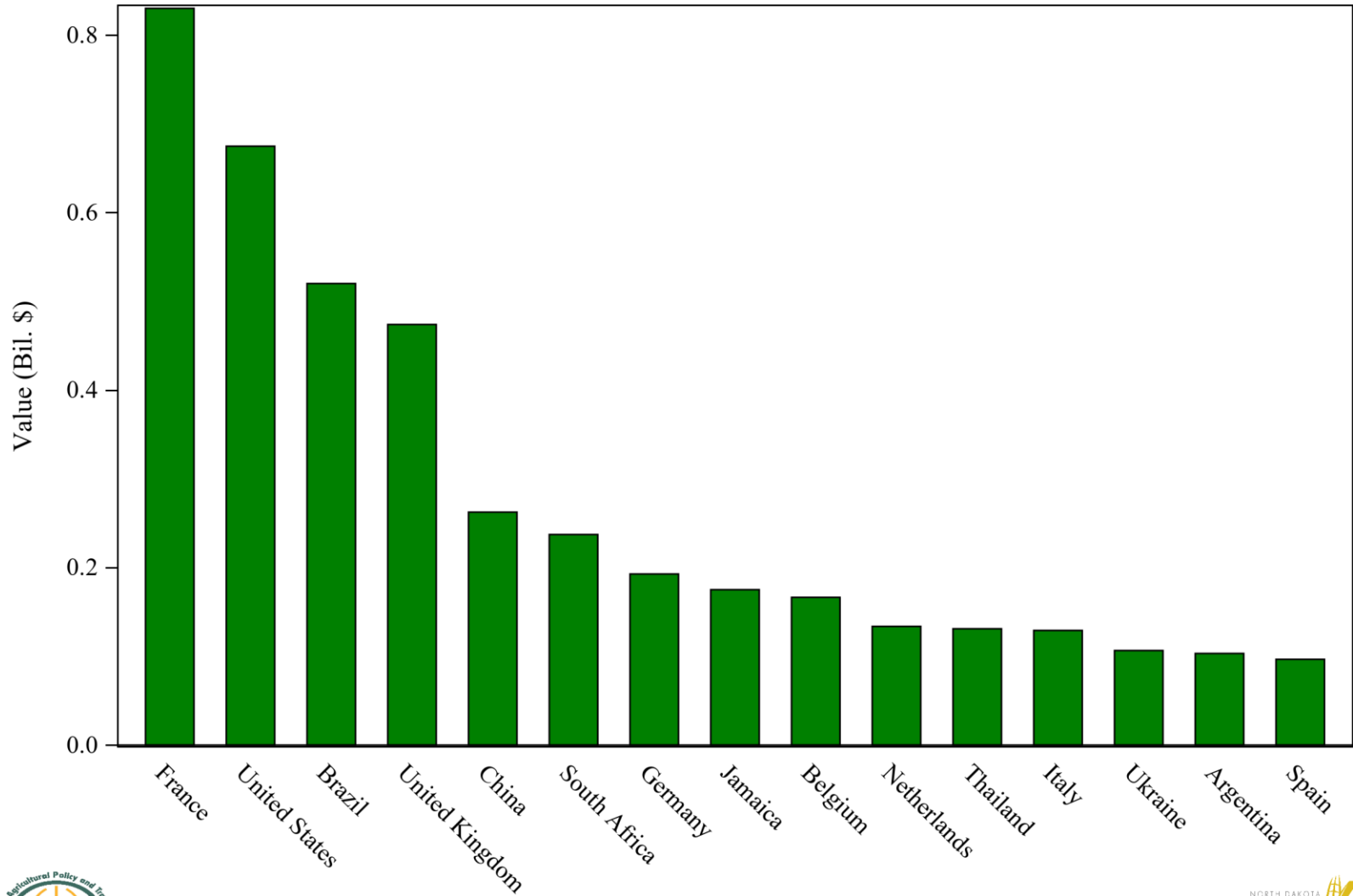
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Table 7: Top 15 Countries Corn Ethyl Alcohol Export Value, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	3	793,971,129	264,657,043	82,718,445	31.3	19.5
France	3	581,125,874	193,708,625	32,624,919	16.8	14.3
Ukraine	3	357,748,600	119,249,533	152,067,724	128	8.78
Southern African Customs Union	3	256,999,277	85,666,426	40,252,910	47.0	6.31
Brazil	3	185,186,421	61,728,807	30,619,319	49.6	4.55
Germany	3	174,345,548	58,115,183	17,023,661	29.3	4.28
Russia	3	171,129,888	57,043,296	48,959,707	85.8	4.20
Italy	3	163,782,983	54,594,328	25,325,824	46.4	4.02
China	3	141,382,384	47,127,461	21,630,575	45.9	3.47
Belgium-Luxembourg	3	130,883,265	43,627,755	7,426,033	17.0	3.21
United Kingdom	3	129,079,630	43,026,543	52,391,045	122	3.17
Mexico	3	111,496,481	37,165,494	19,661,193	52.9	2.74
Argentina	3	85,347,822	28,449,274	2,897,867	10.2	2.10
Spain	3	73,636,014	24,545,338	6,585,119	26.8	1.81
Thailand	3	64,237,343	21,412,448	3,356,189	15.7	1.58

Figure 10: Top 15 Countries Corn Ethyl Alcohol Export Value, 1999-2003



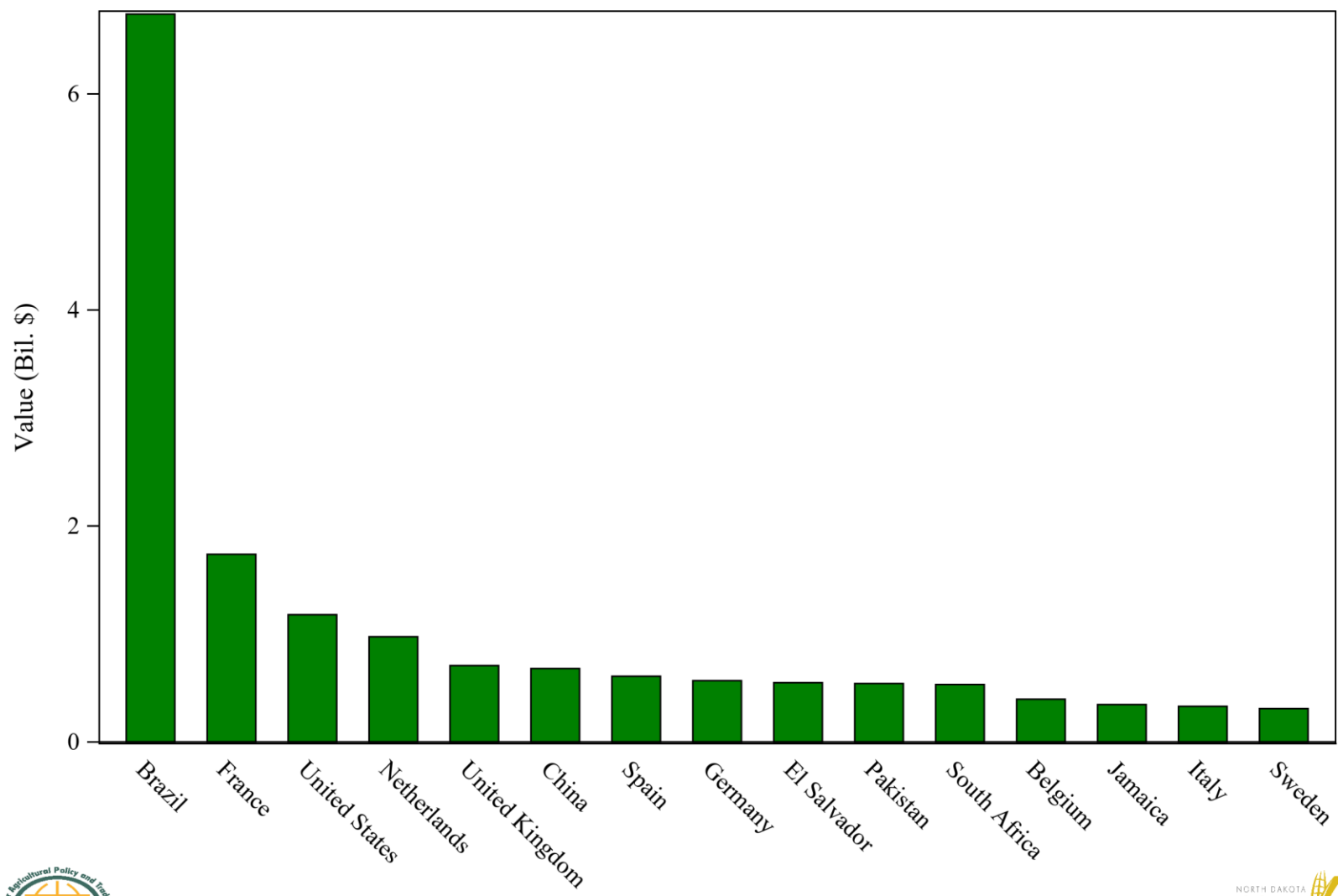
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Table 8: Top 15 Countries Corn Ethyl Alcohol Export Value, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
France	5	830,098,378	166,019,676	20,839,981	12.6	16.2
United States	5	674,760,662	134,952,132	27,486,801	20.4	13.2
Brazil	5	520,032,566	104,006,513	58,188,369	55.9	10.2
United Kingdom	5	473,868,799	94,773,760	17,278,659	18.2	9.26
China	5	262,419,125	52,483,825	30,090,538	57.3	5.13
South Africa	4	237,206,216	59,301,554	4,379,277	7.4	4.64
Germany	5	192,738,818	38,547,764	6,942,988	18.0	3.77
Jamaica	5	175,088,630	35,017,726	7,476,477	21.4	3.42
Belgium	5	166,406,176	33,281,235	19,747,316	59.3	3.25
Netherlands	3	133,715,124	44,571,708	9,578,599	21.5	2.61
Thailand	5	131,055,625	26,211,125	15,038,922	57.4	2.56
Italy	5	129,159,860	25,831,972	9,317,310	36.1	2.52
Ukraine	5	106,527,163	21,305,433	8,346,697	39.2	2.08
Argentina	5	103,218,989	20,643,798	3,502,765	17.0	2.02
Spain	5	96,574,311	19,314,862	5,811,086	30.1	1.89

Figure 11: Top 15 Countries Corn Ethyl Alcohol Export Value, 2004-2008



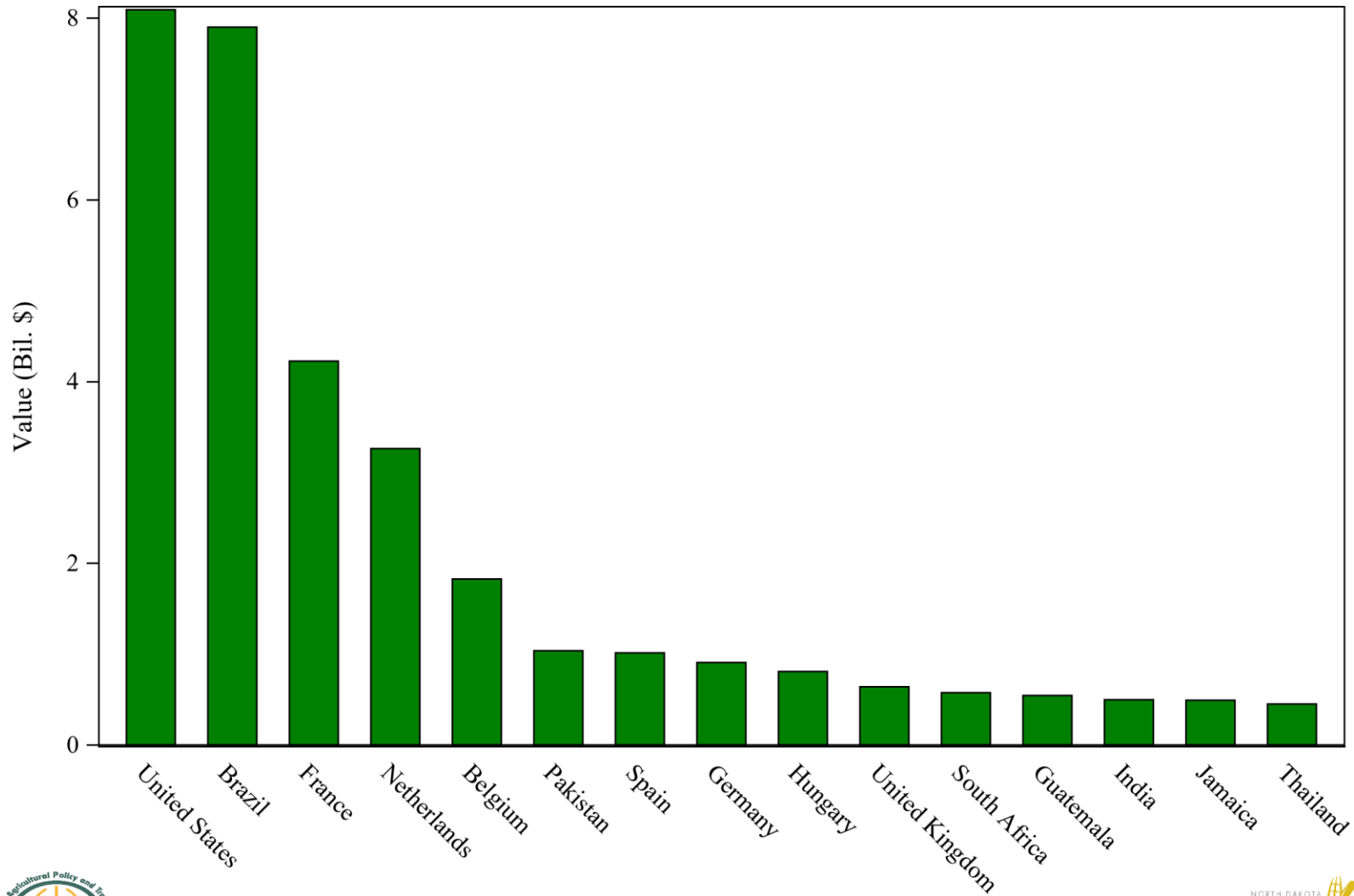
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Table 9: Top 15 Countries Corn Ethyl Alcohol Export Value, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
Brazil	5	6,736,245,039	1,347,249,008	746,843,030	55.4	35.4
France	5	1,736,323,713	347,264,743	183,721,800	52.9	9.13
United States	5	1,176,948,773	235,389,755	154,680,184	65.7	6.19
Netherlands	5	973,219,415	194,643,883	272,728,520	140	5.12
United Kingdom	5	705,931,159	141,186,232	27,590,977	19.5	3.71
China	5	679,066,284	135,813,257	178,268,511	131	3.57
Spain	5	607,237,228	121,447,446	65,144,047	53.6	3.19
Germany	5	566,196,970	113,239,394	42,122,056	37.2	2.98
El Salvador	5	547,824,482	109,564,896	85,760,383	78.3	2.88
Pakistan	5	540,193,783	108,038,757	77,332,427	71.6	2.84
South Africa	5	530,658,441	106,131,688	25,846,512	24.4	2.79
Belgium	5	394,560,628	78,912,126	35,766,267	45.3	2.07
Jamaica	5	345,247,667	69,049,533	47,249,007	68.4	1.82
Italy	5	328,880,798	65,776,160	22,096,174	33.6	1.73
Sweden	5	307,734,749	61,546,950	60,757,851	98.7	1.62

Figure 12: Top 15 Countries Corn Ethyl Alcohol Export Value, 2009-2013



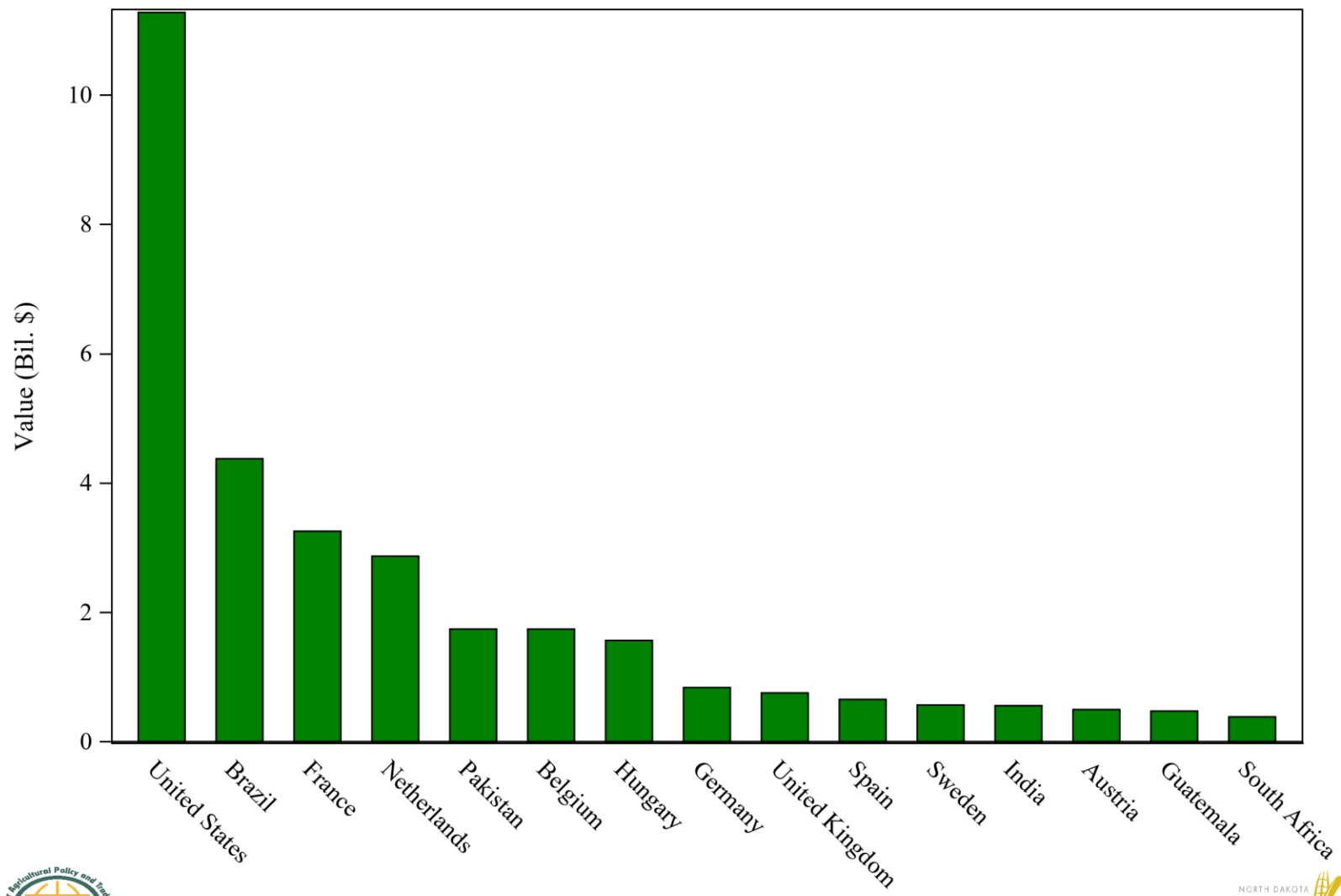
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Table 10: Top 15 Countries Corn Ethyl Alcohol Export Value, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	8,091,736,991	1,618,347,398	1,152,816,140	71.2	21.2
Brazil	5	7,899,504,620	1,579,900,924	457,504,316	29.0	20.7
France	5	4,223,698,713	844,739,743	96,512,202	11.4	11.1
Netherlands	5	3,261,060,015	652,212,003	105,442,860	16.2	8.53
Belgium	5	1,825,885,030	365,177,006	87,411,506	23.9	4.78
Pakistan	5	1,036,519,050	207,303,810	97,772,525	47.2	2.71
Spain	5	1,013,007,179	202,601,436	36,402,331	18.0	2.65
Germany	4	906,444,914	226,611,229	42,118,379	18.6	2.37
Hungary	5	808,035,535	161,607,107	93,948,325	58.1	2.11
United Kingdom	5	639,958,747	127,991,749	21,779,835	17.0	1.67
South Africa	5	574,885,935	114,977,187	11,035,096	9.6	1.50
Guatemala	5	544,229,571	108,845,914	48,165,060	44.3	1.42
India	5	497,570,461	99,514,092	75,940,387	76.3	1.30
Jamaica	5	491,648,885	98,329,777	74,935,445	76.2	1.29
Thailand	5	450,198,059	90,039,612	76,654,423	85.1	1.18

Figure 13: Top 15 Countries Corn Ethyl Alcohol Export Value, 2014-2018



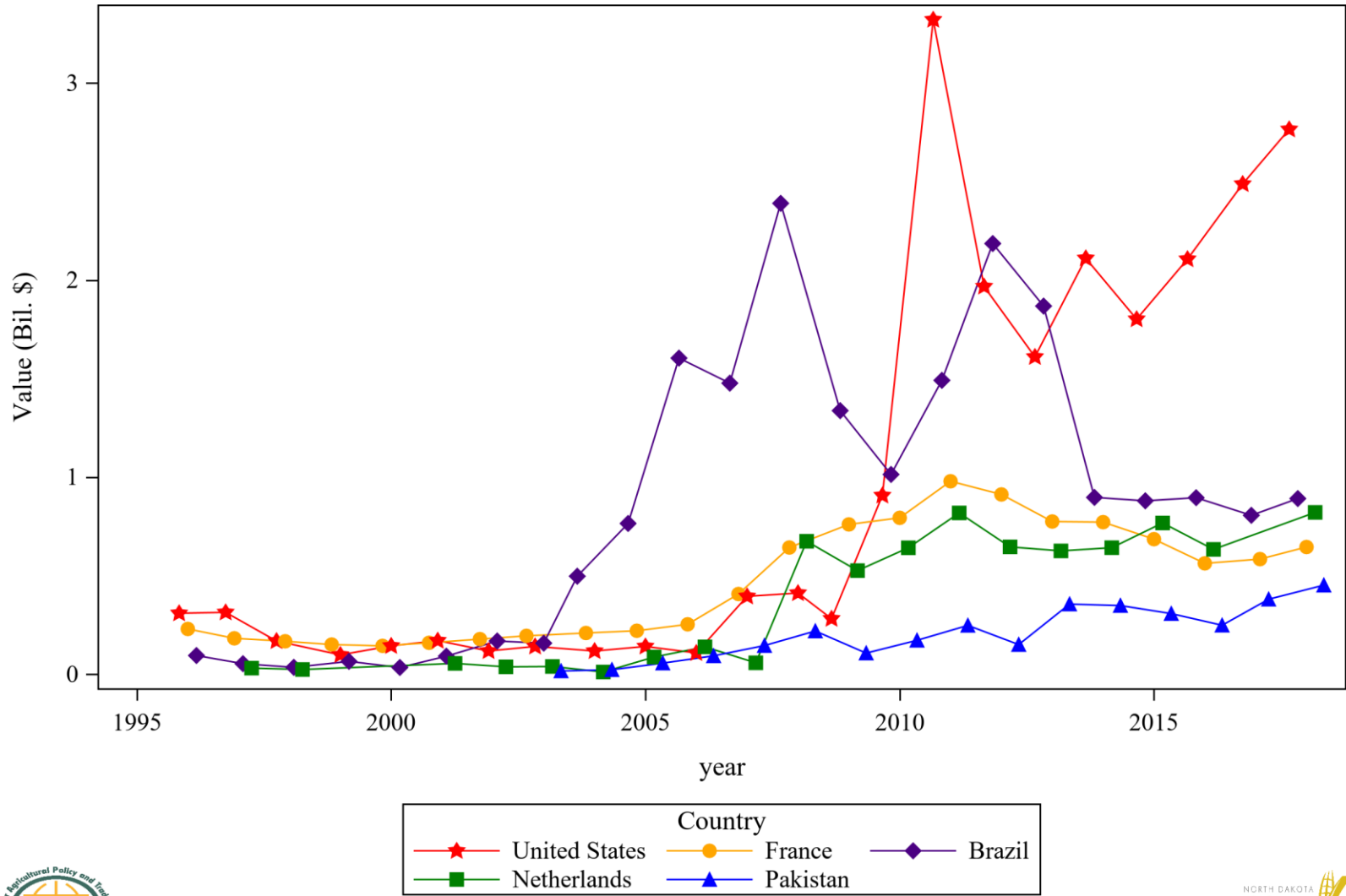
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Table 11: Top 15 Countries Corn Ethyl Alcohol Export Value, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	11,275,408,246	2,255,081,649	375,065,668	16.6	31.7
Brazil	5	4,374,110,487	874,822,097	38,600,107	4.4	12.3
France	5	3,252,878,146	650,575,629	83,757,948	12.9	9.14
Netherlands	4	2,866,994,087	716,748,522	93,039,781	13.0	8.06
Pakistan	5	1,740,141,819	348,028,364	76,462,416	22.0	4.89
Belgium	5	1,739,741,825	347,948,365	15,694,756	4.5	4.89
Hungary	5	1,563,619,483	312,723,897	53,877,028	17.2	4.39
Germany	3	835,373,681	278,457,894	46,652,179	16.8	2.35
United Kingdom	3	752,400,975	250,800,325	40,900,191	16.3	2.11
Spain	5	651,981,108	130,396,222	39,096,893	30.0	1.83
Sweden	5	565,480,188	113,096,038	42,300,430	37.4	1.59
India	5	555,320,633	111,064,127	22,824,392	20.6	1.56
Austria	5	495,512,069	99,102,414	9,698,988	9.8	1.39
Guatemala	4	471,137,811	117,784,453	26,928,834	22.9	1.32
South Africa	3	382,140,605	127,380,202	7,438,968	5.8	1.07

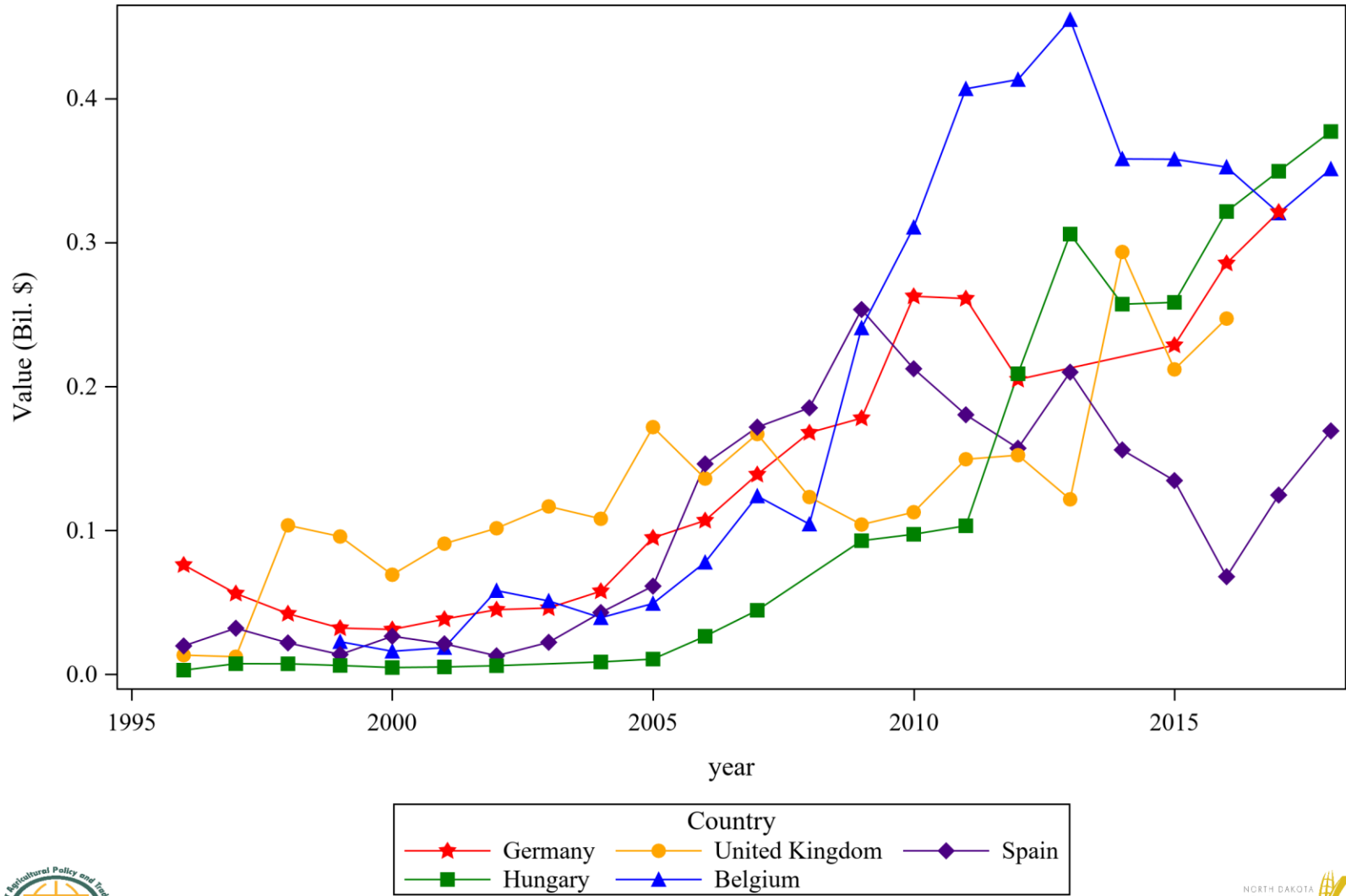
Figure 14: Top 5 Countries Corn Ethyl Alcohol Export Value, Annual Trends



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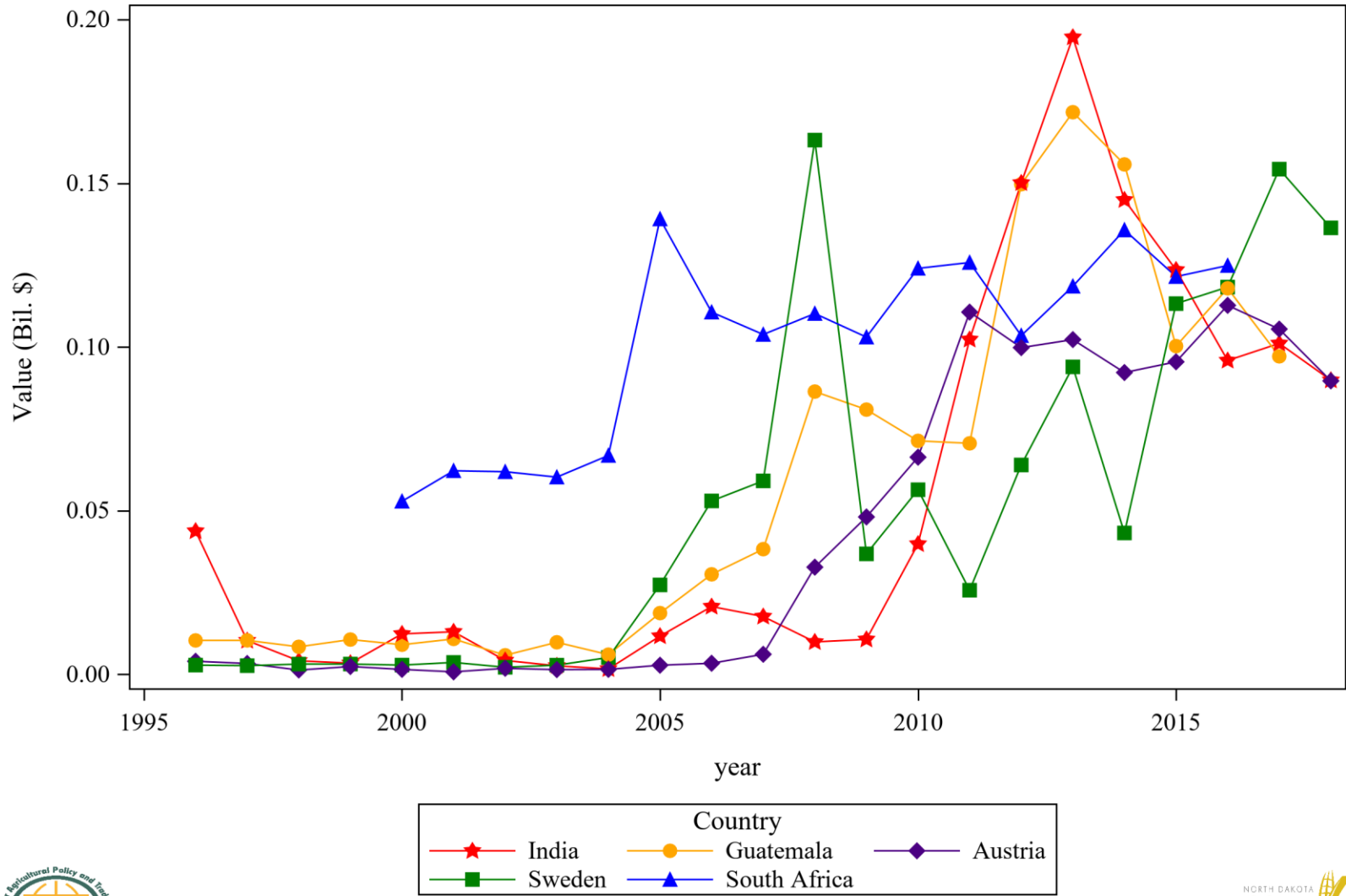
Figure 15: Top 6 to 10 Countries Corn Ethyl Alcohol Export Value, Annual Trends



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Figure 16: Top 11 to 15 Countries Corn Ethyl Alcohol Export Value, Annual Trends



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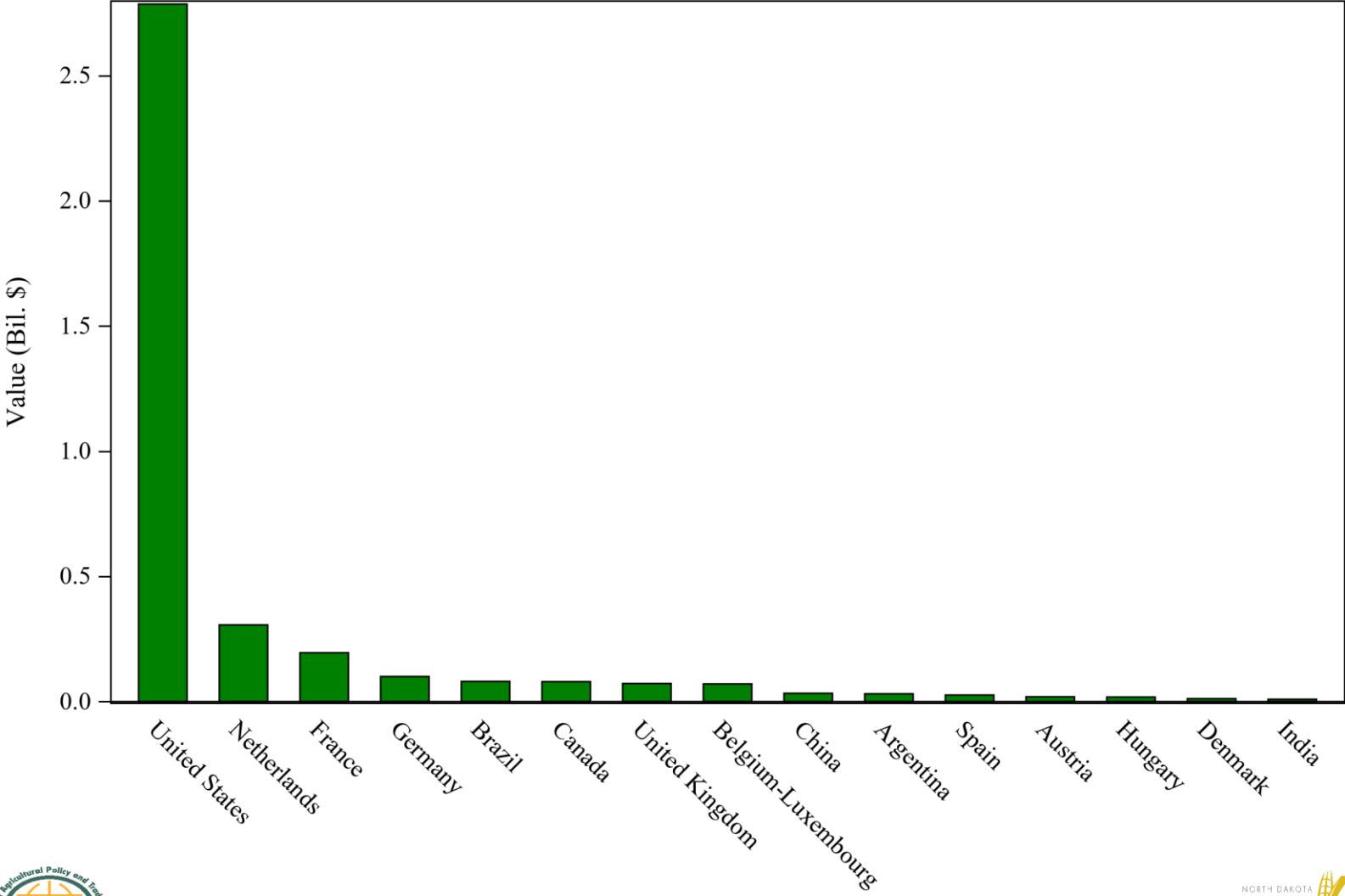


Table 12: Top 15 Countries Corn Ethyl Alcohol Export Value, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
United States	907,818,318	3,322,389,797	1,968,125,614	1,611,068,724	2,111,366,437	1,802,563,696	2,107,117,816	2,488,503,224	2,765,857,073
Brazil	1,014,284,969	1,491,864,868	2,186,207,266	1,868,942,234	898,030,959	880,627,317	896,495,630	806,856,922	892,099,659
France	794,332,996	979,888,066	912,927,554	775,665,403	772,408,596	686,087,307	563,297,628	584,841,268	646,243,347
Netherlands	642,279,520	819,107,855	646,777,466	626,496,961	642,772,169	768,239,362	634,202,696	.	821,779,860
Pakistan	172,712,594	248,429,804	151,051,557	356,560,572	349,148,701	308,175,459	249,126,587	381,185,145	452,505,927
Belgium	310,542,838	406,751,882	413,177,521	454,793,342	358,046,853	357,817,687	352,355,648	320,440,541	351,081,096
Hungary	97,310,000	103,200,000	208,814,976	305,847,559	257,144,757	258,399,184	321,498,248	349,501,981	377,075,313
Germany	262,638,938	261,010,056	204,826,469	.	.	228,667,857	285,544,486	321,161,338	.
United Kingdom	112,638,482	149,435,968	152,235,672	121,599,202	293,406,423	211,851,713	247,142,839	.	.
Spain	212,289,794	180,307,595	157,065,221	209,925,287	155,899,428	134,608,634	67,840,617	124,526,370	169,106,059
Sweden	56,393,809	25,699,916	63,965,056	93,927,950	43,190,300	113,253,681	118,308,396	154,332,442	136,395,369
India	39,817,387	102,309,144	150,117,992	194,629,471	144,947,195	123,547,160	95,877,757	101,096,065	89,852,456
Austria	66,330,544	110,663,655	99,809,992	102,259,246	92,204,599	95,474,365	112,721,588	105,470,071	89,641,446
Guatemala	71,330,303	70,571,971	149,728,529	171,722,621	155,774,867	100,274,129	117,933,976	97,154,839	.
South Africa	124,023,043	125,807,039	103,476,190	118,556,405	135,744,888	121,506,037	124,889,680	.	.

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Figure 17: Top 15 Countries Corn Residue (BWC) Export Value, 1994-1998



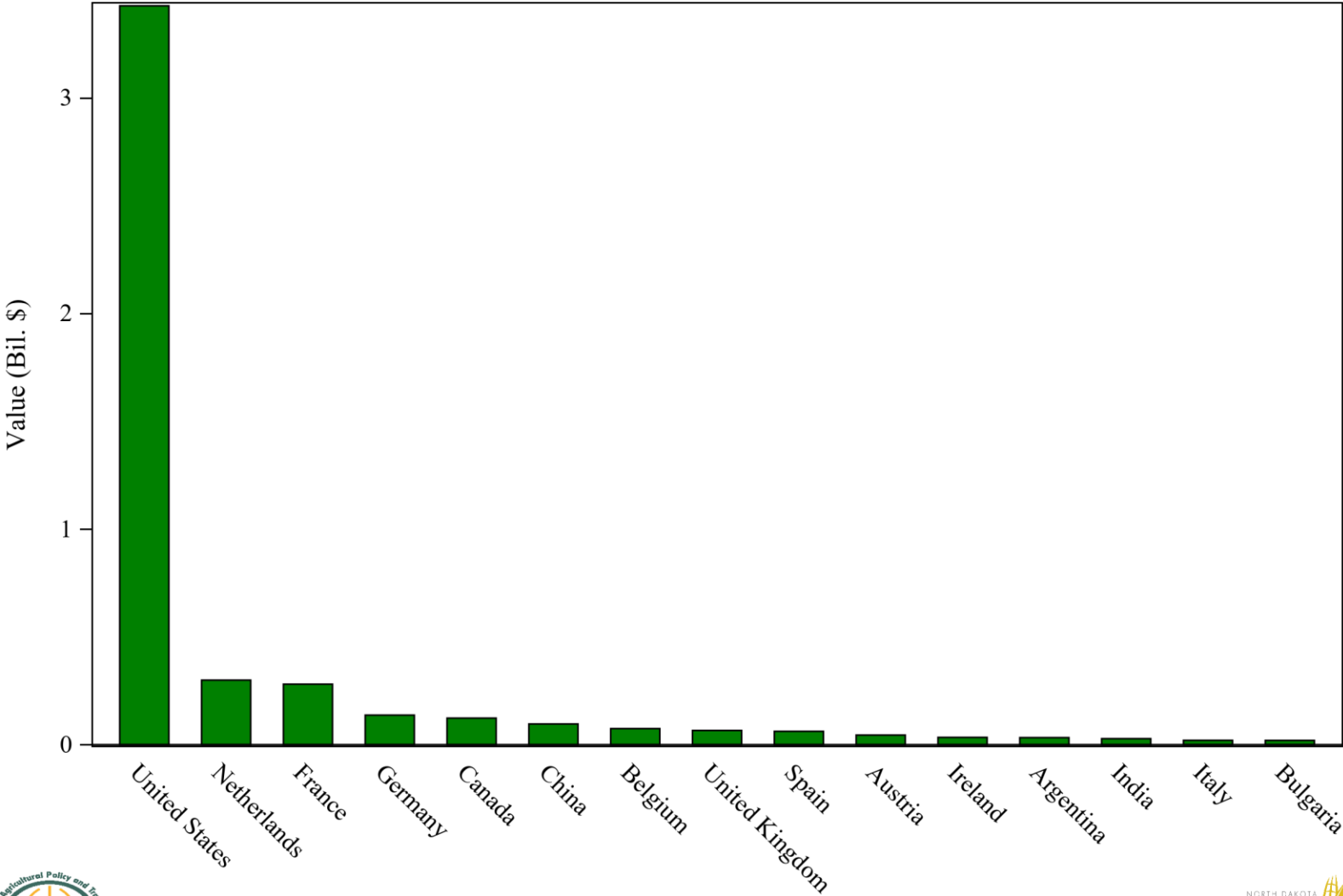
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Table 13: Top 15 Countries Corn Residue (BWC) Export Value, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	3	2,785,683,782	928,561,261	162,125,713	17.5	70.9
Netherlands	3	306,196,689	102,065,563	61,912,030	60.7	7.79
France	3	194,944,271	64,981,424	4,105,245	6.3	4.96
Germany	3	99,857,638	33,285,879	2,783,460	8.4	2.54
Brazil	3	80,407,823	26,802,608	17,987,008	67.1	2.05
Canada	3	79,385,667	26,461,889	5,185,777	19.6	2.02
United Kingdom	3	72,012,168	24,004,056	3,355,499	14.0	1.83
Belgium-Luxembourg	3	70,322,021	23,440,674	5,327,931	22.7	1.79
China	3	32,896,411	10,965,470	2,766,025	25.2	0.84
Argentina	3	30,819,102	10,273,034	1,720,890	16.8	0.78
Spain	3	26,054,251	8,684,750	2,029,802	23.4	0.66
Austria	3	18,996,254	6,332,085	3,386,691	53.5	0.48
Hungary	3	17,853,000	5,951,000	5,386,613	90.5	0.45
Denmark	2	11,423,685	5,711,843	2,530,879	44.3	0.29
India	3	8,936,402	2,978,801	688,520	23.1	0.23

Figure 18: Top 15 Countries Corn Residue (BWC) Export Value, 1999-2003



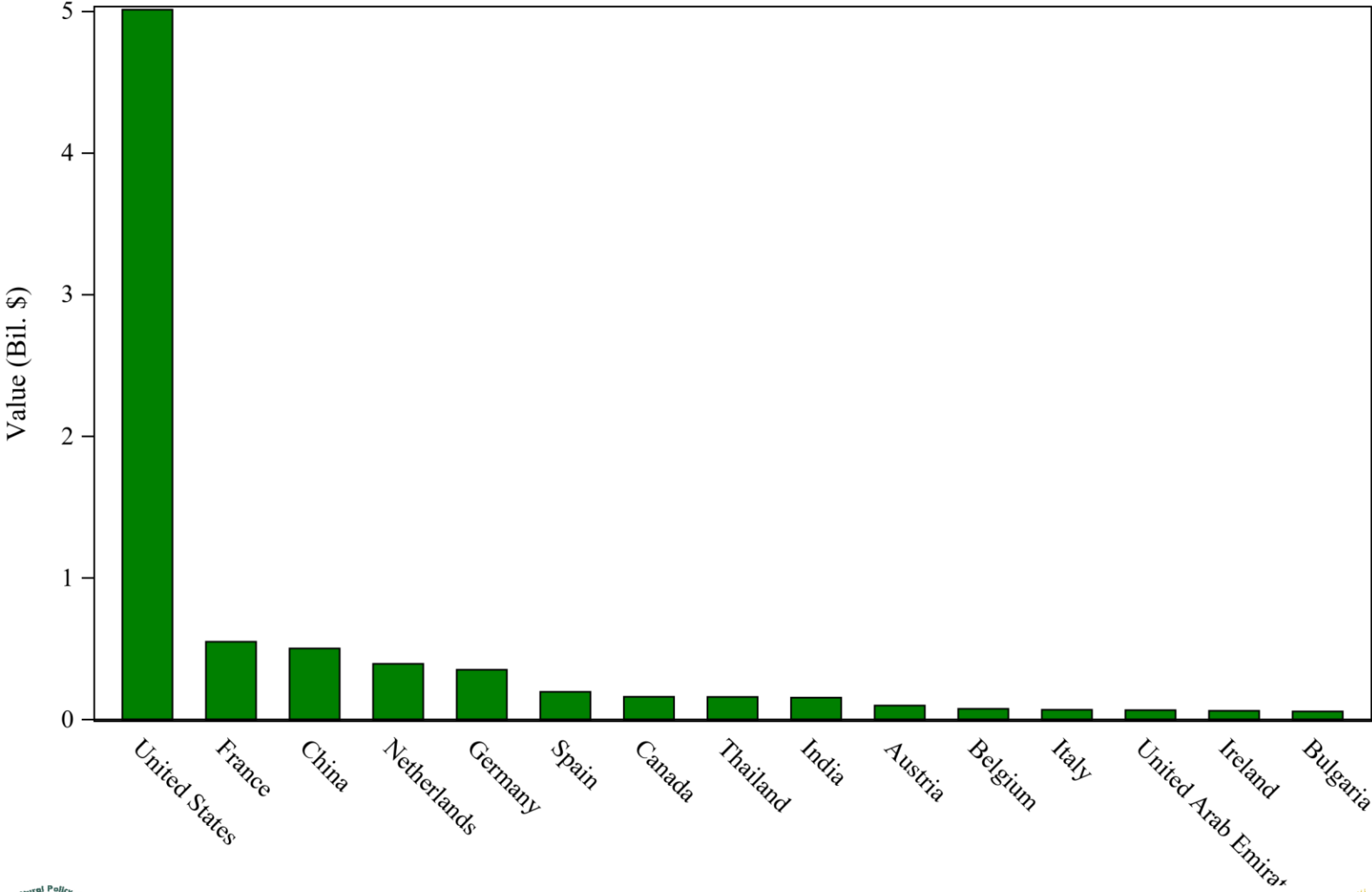
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Table 14: Top 15 Countries Corn Residue (BWC) Export Value, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	3,427,317,754	685,463,551	25,593,078	3.7	69.4
Netherlands	5	299,190,822	59,838,164	6,877,173	11.5	6.06
France	5	280,466,076	56,093,215	8,393,995	15.0	5.68
Germany	5	136,963,634	27,392,727	2,934,659	10.7	2.77
Canada	5	123,025,535	24,605,107	2,905,938	11.8	2.49
China	5	95,866,764	19,173,353	5,576,288	29.1	1.94
Belgium	5	74,285,256	14,857,051	2,920,609	19.7	1.50
United Kingdom	5	65,797,266	13,159,453	4,242,580	32.2	1.33
Spain	5	61,729,820	12,345,964	5,410,530	43.8	1.25
Austria	5	44,307,033	8,861,407	1,473,858	16.6	0.90
Ireland	5	33,690,415	6,738,083	3,110,563	46.2	0.68
Argentina	5	32,625,256	6,525,051	1,063,232	16.3	0.66
India	5	27,846,639	5,569,328	2,720,541	48.8	0.56
Italy	5	19,988,287	3,997,657	2,092,750	52.3	0.40
Bulgaria	5	19,616,551	3,923,310	2,843,315	72.5	0.40

Figure 19: Top 15 Countries Corn Residue (BWC) Export Value, 2004-2008



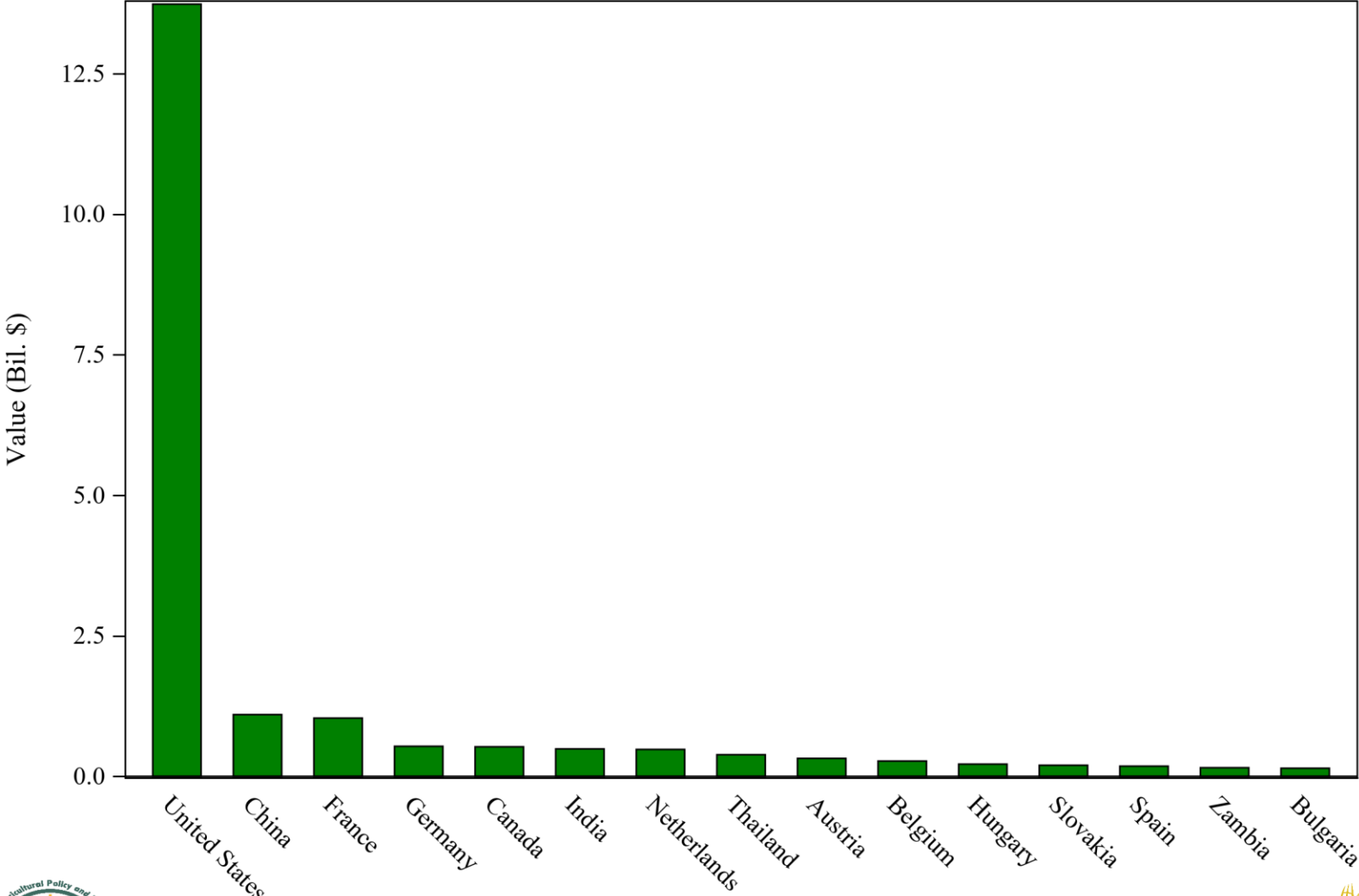
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Table 15: Top 15 Countries Corn Residue (BWC) Export Value, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	5,010,850,031	1,002,170,006	463,867,069	46.3	59.2
France	5	548,217,665	109,643,533	38,814,860	35.4	6.47
China	5	500,945,706	100,189,141	72,179,904	72.0	5.92
Netherlands	5	392,215,870	78,443,174	16,978,571	21.6	4.63
Germany	5	350,394,524	70,078,905	30,069,346	42.9	4.14
Spain	5	194,643,293	38,928,659	7,330,941	18.8	2.30
Canada	5	159,638,049	31,927,610	10,013,008	31.4	1.89
Thailand	5	158,547,456	31,709,491	17,510,561	55.2	1.87
India	5	153,673,887	30,734,777	21,633,186	70.4	1.81
Austria	5	97,909,985	19,581,997	12,145,729	62.0	1.16
Belgium	5	74,651,716	14,930,343	3,890,703	26.1	0.88
Italy	5	67,827,878	13,565,576	4,047,517	29.8	0.80
United Arab Emirates	3	65,212,742	21,737,581	19,677,262	90.5	0.77
Ireland	5	60,653,902	12,130,780	2,853,803	23.5	0.72
Bulgaria	5	56,219,365	11,243,873	2,505,157	22.3	0.66

Figure 20: Top 15 Countries Corn Residue (BWC) Export Value, 2009-2013



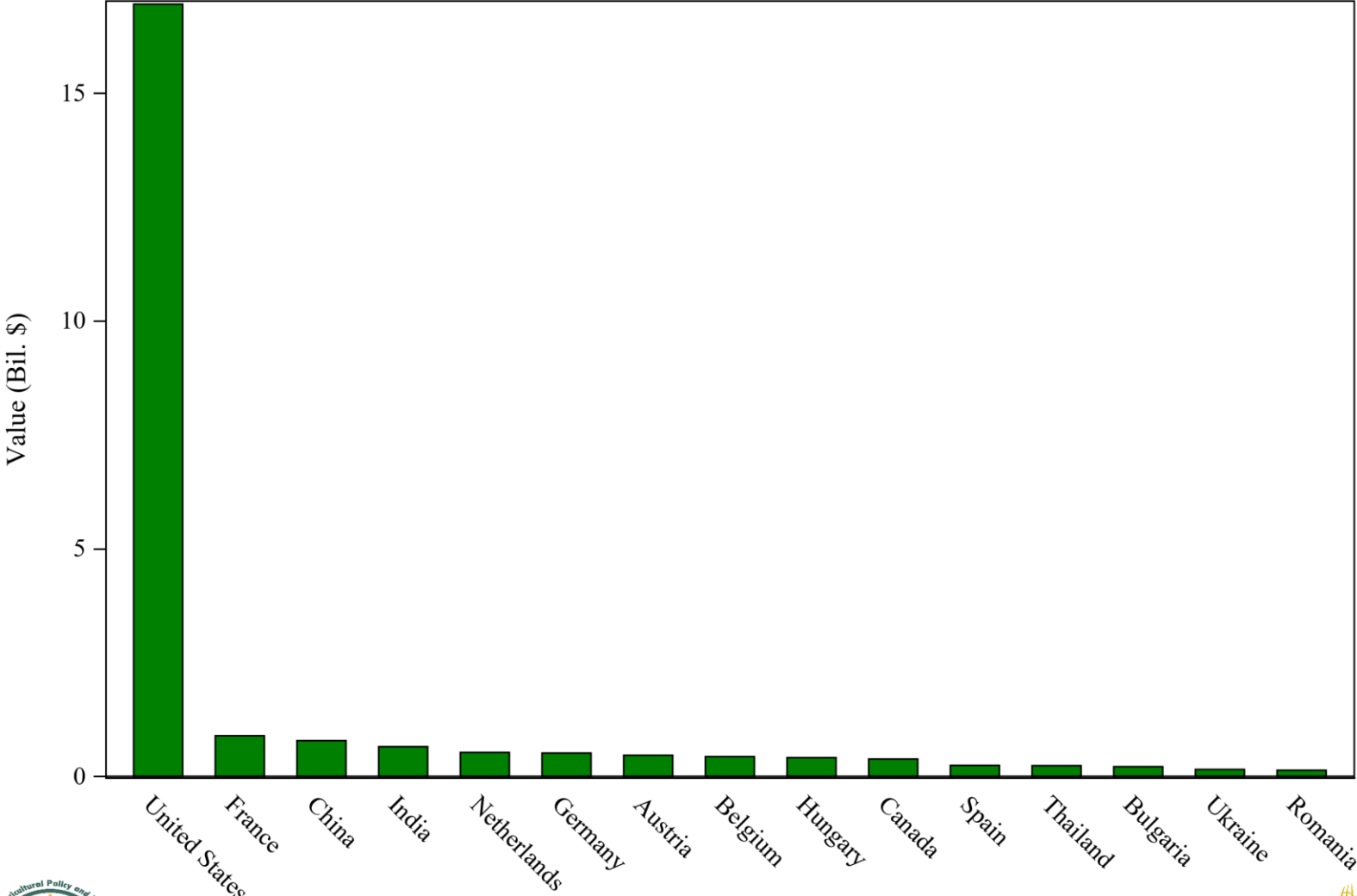
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Table 16: Top 15 Countries Corn Residue (BWC) Export Value, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	13,740,491,572	2,748,098,314	936,324,355	34.1	65.5
China	5	1,098,363,372	219,672,674	47,590,588	21.7	5.23
France	5	1,036,296,124	207,259,225	39,634,676	19.1	4.94
Germany	4	534,515,842	133,628,961	14,910,041	11.2	2.55
Canada	5	525,338,049	105,067,610	46,765,850	44.5	2.50
India	5	488,067,015	97,613,403	40,847,595	41.8	2.33
Netherlands	5	478,535,041	95,707,008	29,446,540	30.8	2.28
Thailand	5	384,341,240	76,868,248	26,501,389	34.5	1.83
Austria	5	319,337,594	63,867,519	26,605,983	41.7	1.52
Belgium	5	271,613,603	54,322,721	32,747,050	60.3	1.29
Hungary	5	216,992,117	43,398,423	26,146,229	60.2	1.03
Slovakia	5	196,915,637	39,383,127	14,797,999	37.6	0.94
Spain	5	180,649,023	36,129,805	5,911,853	16.4	0.86
Zambia	5	153,080,765	30,616,153	46,554,570	152	0.73
Bulgaria	5	143,692,572	28,738,514	10,294,319	35.8	0.68

Figure 21: Top 15 Countries Corn Residue (BWC) Export Value, 2014-2018



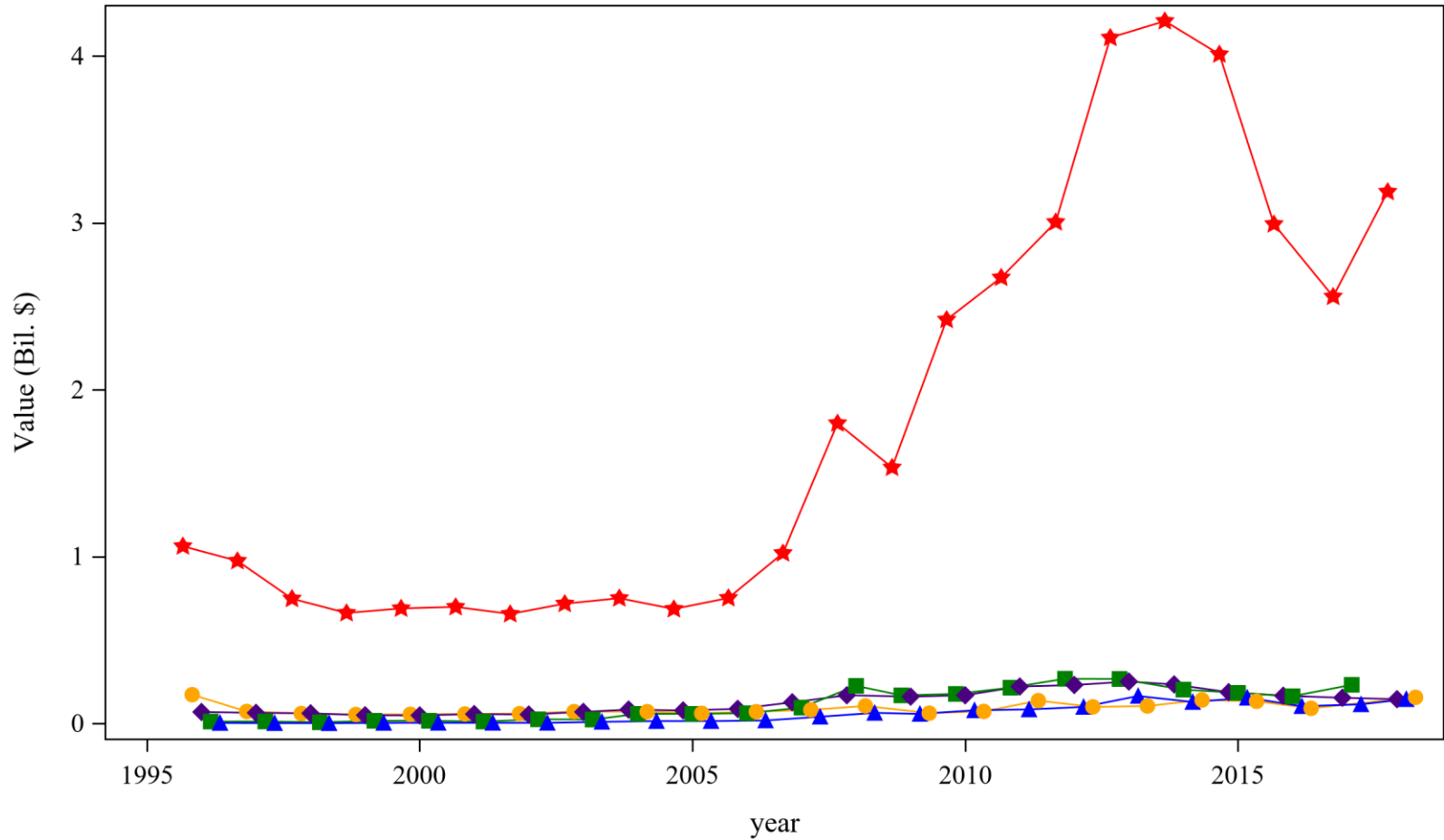
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Table 17: Top 15 Countries Corn Residue (BWC) Export Value, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	16,956,028,338	3,391,205,668	697,555,262	20.6	69.5
France	5	890,784,364	178,156,873	35,203,146	19.8	3.65
China	4	783,468,593	195,867,148	29,184,631	14.9	3.21
India	5	650,226,311	130,045,262	21,071,098	16.2	2.67
Netherlands	4	523,745,209	130,936,302	28,038,361	21.4	2.15
Germany	3	510,476,440	170,158,813	13,394,022	7.9	2.09
Austria	5	462,234,499	92,446,900	9,329,196	10.1	1.90
Belgium	5	432,180,219	86,436,044	1,507,065	1.7	1.77
Hungary	5	409,676,244	81,935,249	16,652,763	20.3	1.68
Canada	3	379,703,476	126,567,825	30,327,706	24.0	1.56
Spain	5	239,764,388	47,952,878	8,655,539	18.1	0.98
Thailand	4	233,442,052	58,360,513	10,314,748	17.7	0.96
Bulgaria	5	211,834,464	42,366,893	2,552,570	6.0	0.87
Ukraine	5	150,377,358	30,075,472	7,573,247	25.2	0.62
Romania	5	132,923,115	26,584,623	11,010,139	41.4	0.55

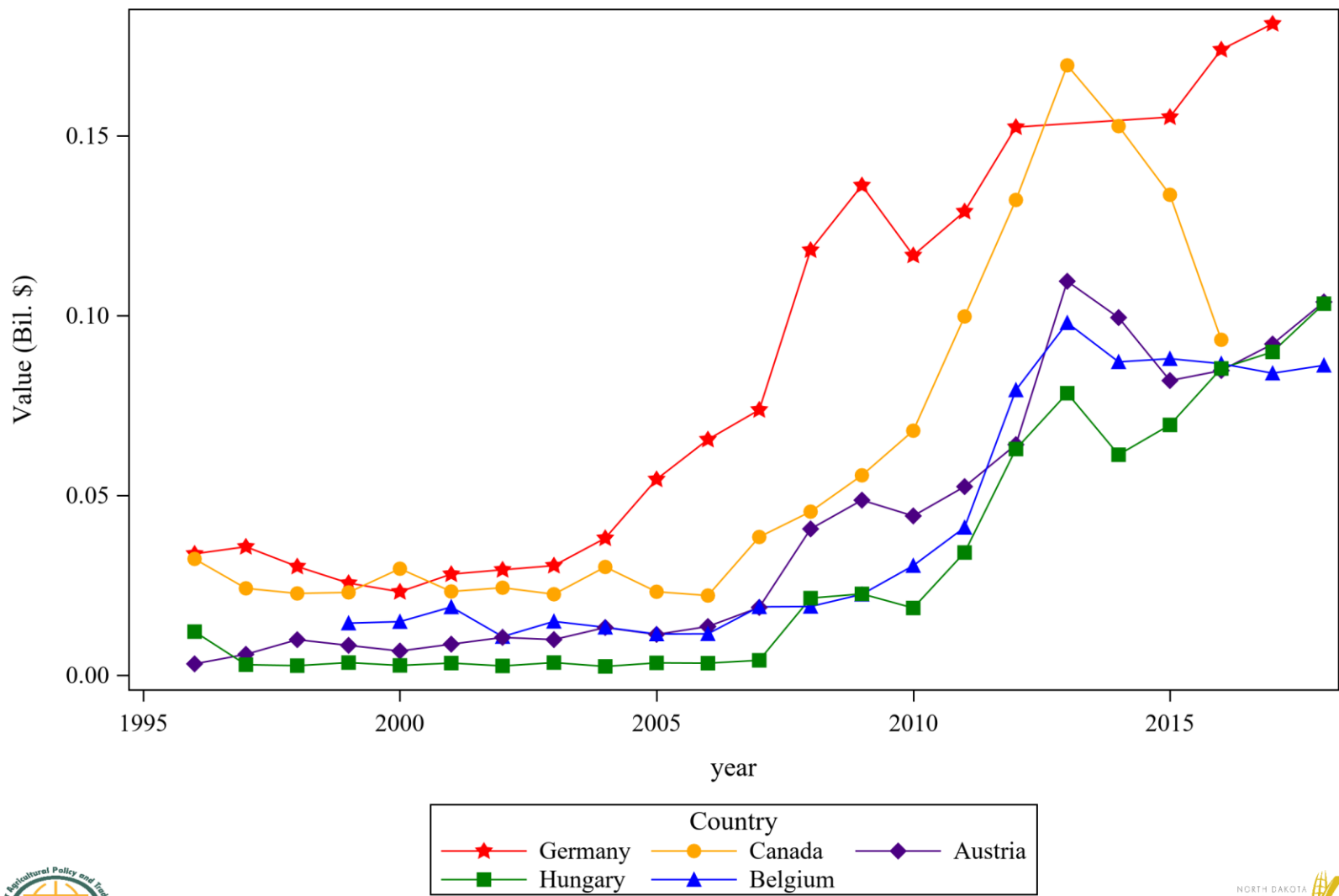
Figure 22: Top 5 Countries Corn Residue (BWC) Export Value, Annual Trends



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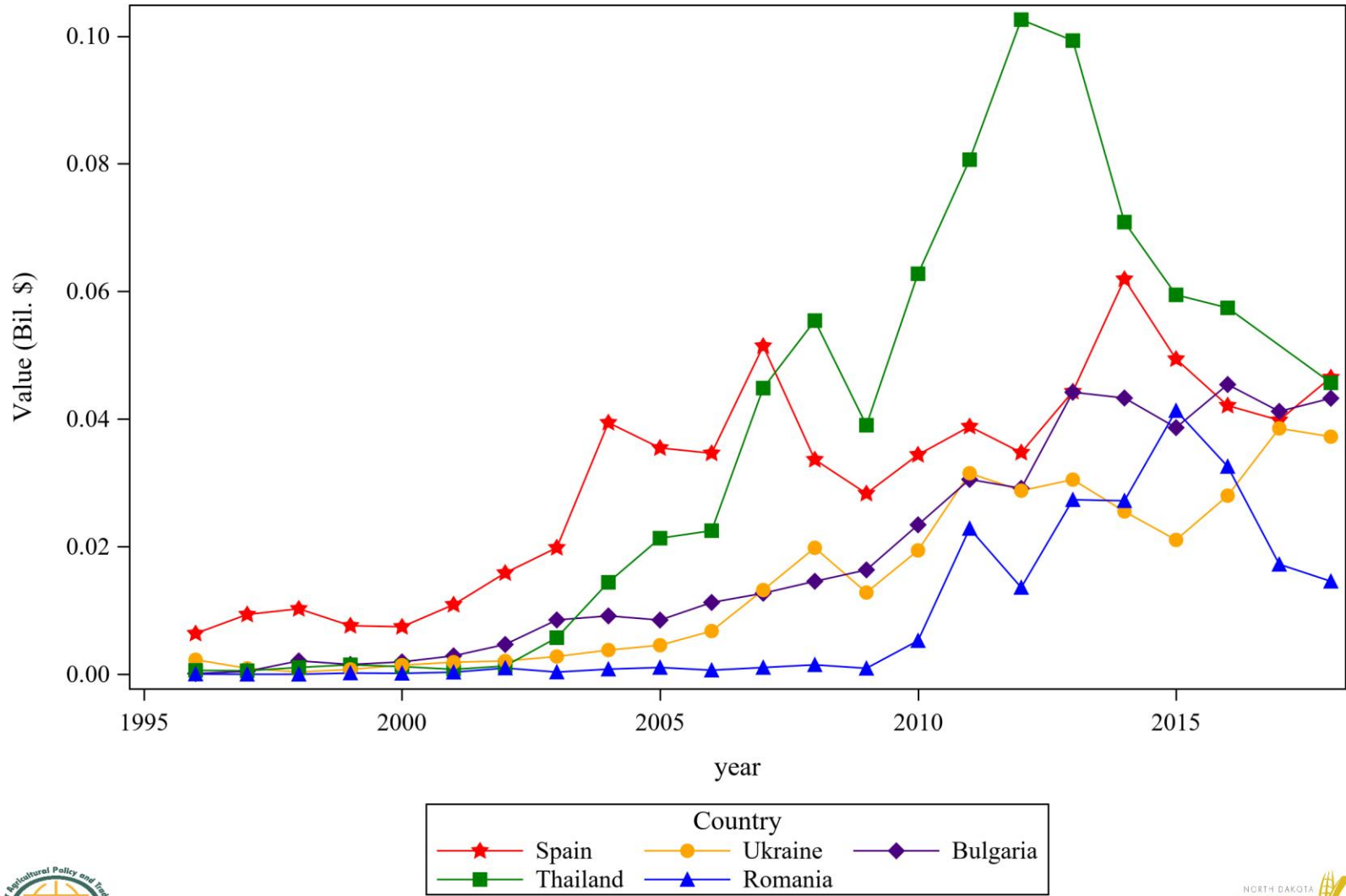
Figure 23: Top 6 to 10 Countries Corn Residue (BWC) Export Value, Annual Trends



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Figure 24: Top 11 to 15 Countries Corn Residue (BWC) Export Value, Annual Trends



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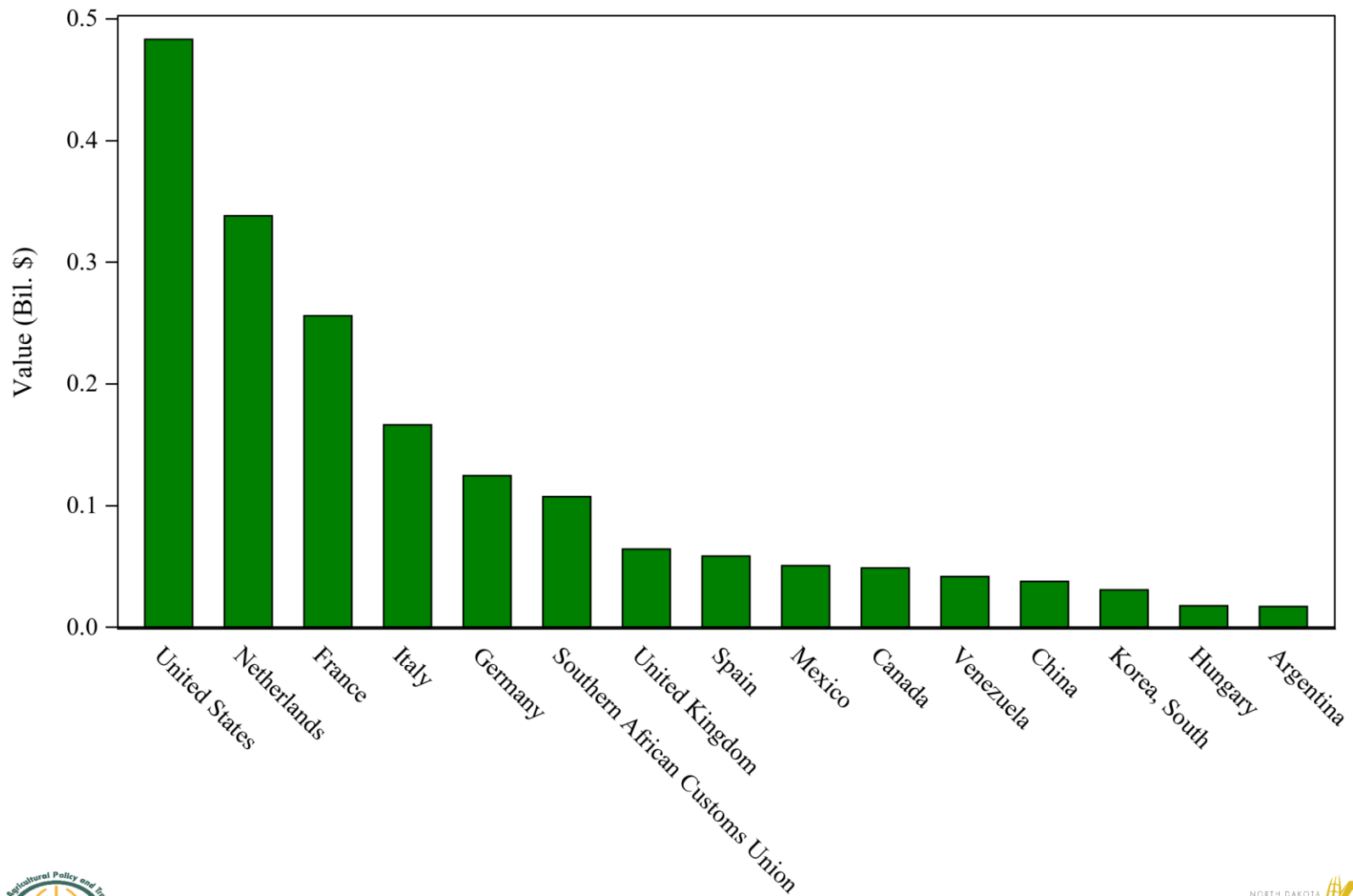


Table 18: Top 15 Countries Corn Residue (BWC) Export Value, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
United States	2,419,987,808	2,672,445,237	3,004,309,752	4,109,683,220	4,208,967,289	4,010,045,267	2,992,400,646	2,558,396,008	3,186,219,128
France	169,755,286	222,143,878	231,137,131	251,821,647	234,500,054	188,133,297	167,000,178	154,877,603	146,273,232
China	177,711,024	215,214,424	268,810,053	267,612,139	203,511,686	183,919,094	163,778,777	232,259,036	.
India	79,678,167	84,981,538	99,952,034	165,528,079	129,237,176	155,035,130	104,269,035	115,267,937	146,417,033
Netherlands	73,057,354	137,463,523	100,169,052	105,301,578	141,425,747	133,547,436	91,554,701	.	157,217,325
Germany	116,792,925	128,996,029	152,473,733	.	.	155,261,508	174,008,501	181,206,431	.
Austria	44,338,336	52,494,092	64,173,841	109,600,916	99,493,762	81,974,953	84,783,075	92,134,757	103,847,952
Belgium	30,519,130	41,136,558	79,363,249	98,050,288	87,176,728	88,063,749	86,680,751	84,031,106	86,227,885
Hungary	18,746,000	34,170,000	62,940,753	78,468,364	61,357,491	69,654,862	85,347,568	89,956,155	103,360,168
Canada	68,045,145	99,813,846	132,210,280	169,637,359	152,733,227	133,641,973	93,328,276	.	.
Spain	34,413,620	38,836,290	34,754,590	44,308,636	61,922,712	49,405,744	42,112,870	39,815,892	46,507,170
Thailand	62,769,350	80,644,193	102,587,505	99,305,246	70,867,435	59,461,012	57,429,065	.	45,684,540
Bulgaria	23,430,870	30,543,801	29,147,367	44,204,854	43,303,115	38,657,110	45,413,440	41,204,548	43,256,251
Ukraine	19,421,105	31,513,410	28,780,613	30,516,841	25,526,507	21,058,205	28,003,846	38,546,006	37,242,794
Romania	5,280,363	22,852,391	13,602,409	27,360,566	27,201,171	41,327,658	32,569,255	17,245,159	14,579,872

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Figure 25: Top 15 Countries Corn Flour (GHS) Export Value, 1994-1998



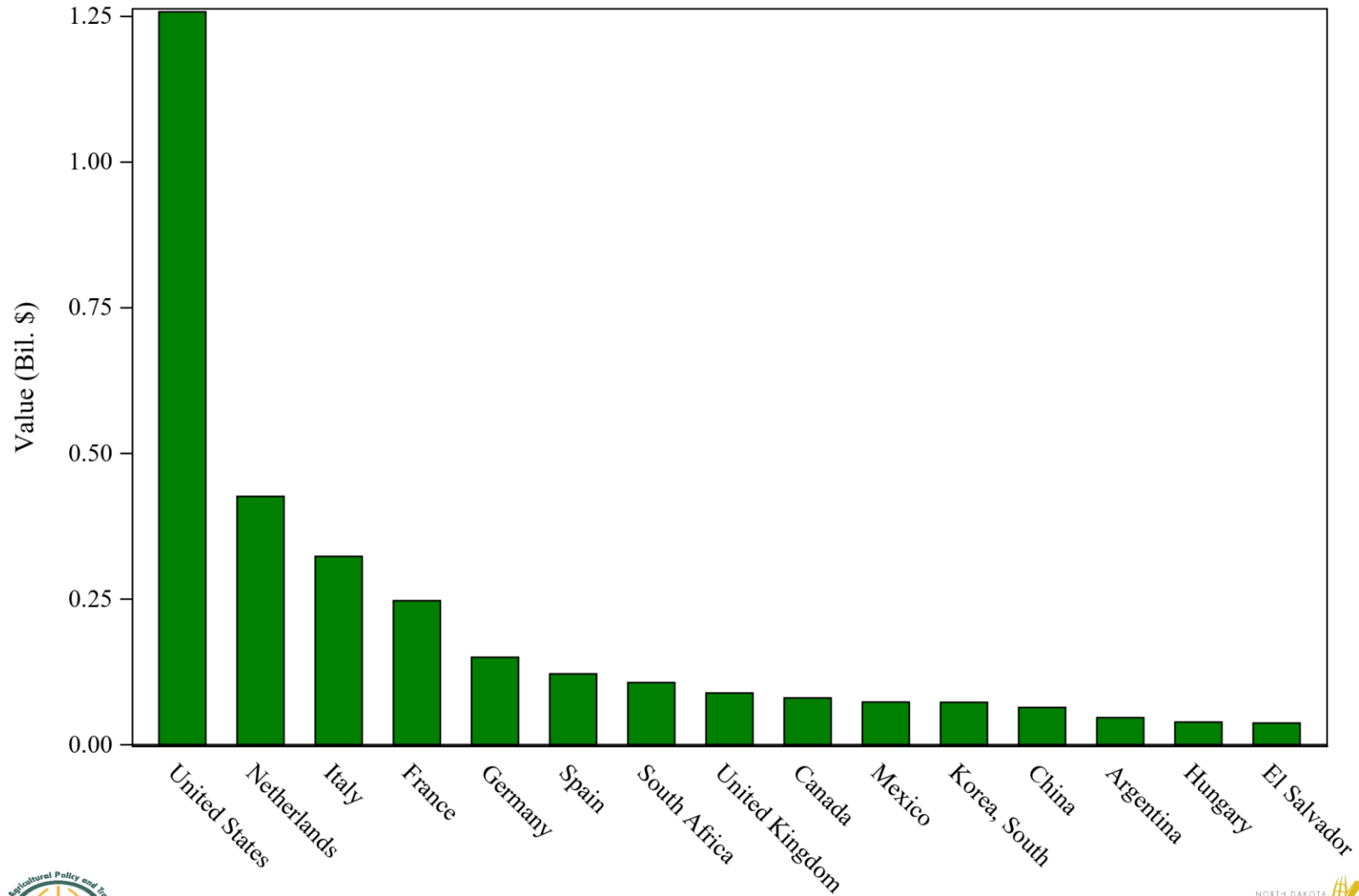
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Table 19: Top 15 Countries Corn Flour (GHS) Export Value, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	3	483,022,478	161,007,493	4,965,797	3.1	23.4
Netherlands	3	337,969,006	112,656,335	14,676,785	13.0	16.4
France	3	255,843,454	85,281,151	60,620,685	71.1	12.4
Italy	3	166,177,877	55,392,626	5,165,627	9.3	8.06
Germany	3	124,425,392	41,475,131	2,609,771	6.3	6.04
Southern African Customs Union	3	107,180,354	35,726,785	9,491,727	26.6	5.20
United Kingdom	3	64,075,911	21,358,637	9,507,089	44.5	3.11
Spain	3	58,328,725	19,442,908	4,449,726	22.9	2.83
Mexico	3	50,450,468	16,816,823	1,394,310	8.3	2.45
Canada	3	48,562,256	16,187,419	1,015,444	6.3	2.36
Venezuela	3	41,505,413	13,835,138	1,194,489	8.6	2.01
China	3	37,543,988	12,514,663	9,055,407	72.4	1.82
Korea, South	3	30,571,855	10,190,618	962,698	9.4	1.48
Hungary	3	17,512,000	5,837,333	1,393,840	23.9	0.85
Argentina	3	16,907,448	5,635,816	2,833,460	50.3	0.82

Figure 26: Top 15 Countries Corn Flour (GHS) Export Value, 1999-2003



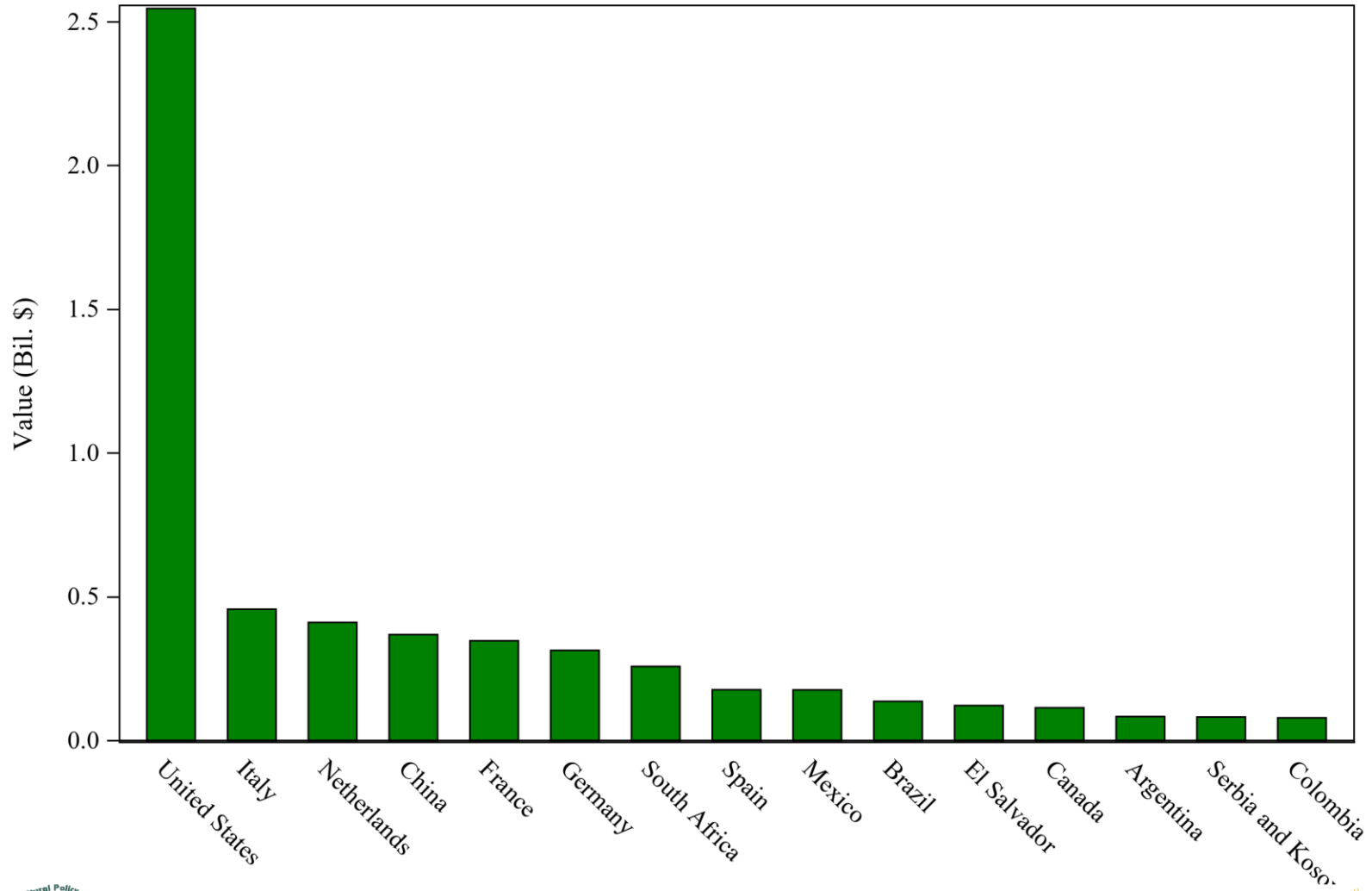
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Table 20: Top 15 Countries Corn Flour (GHS) Export Value, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	1,257,251,250	251,450,250	112,276,234	44.7	35.1
Netherlands	5	425,903,183	85,180,637	6,373,400	7.5	11.9
Italy	5	322,933,111	64,586,622	13,248,425	20.5	9.02
France	5	246,920,602	49,384,120	10,070,648	20.4	6.90
Germany	5	149,847,972	29,969,594	3,299,881	11.0	4.19
Spain	5	121,445,258	24,289,052	2,666,150	11.0	3.39
South Africa	4	106,370,510	26,592,628	11,262,159	42.4	2.97
United Kingdom	5	88,560,838	17,712,168	9,601,684	54.2	2.47
Canada	5	80,140,398	16,028,080	2,571,345	16.0	2.24
Mexico	5	73,000,295	14,600,059	2,457,573	16.8	2.04
Korea, South	5	72,548,370	14,509,674	1,851,576	12.8	2.03
China	5	63,790,822	12,758,164	5,618,353	44.0	1.78
Argentina	5	46,264,612	9,252,922	1,113,045	12.0	1.29
Hungary	5	38,668,000	7,733,600	1,490,768	19.3	1.08
El Salvador	5	36,996,374	7,399,275	1,691,720	22.9	1.03

Figure 27: Top 15 Countries Corn Flour (GHS) Export Value, 2004-2008



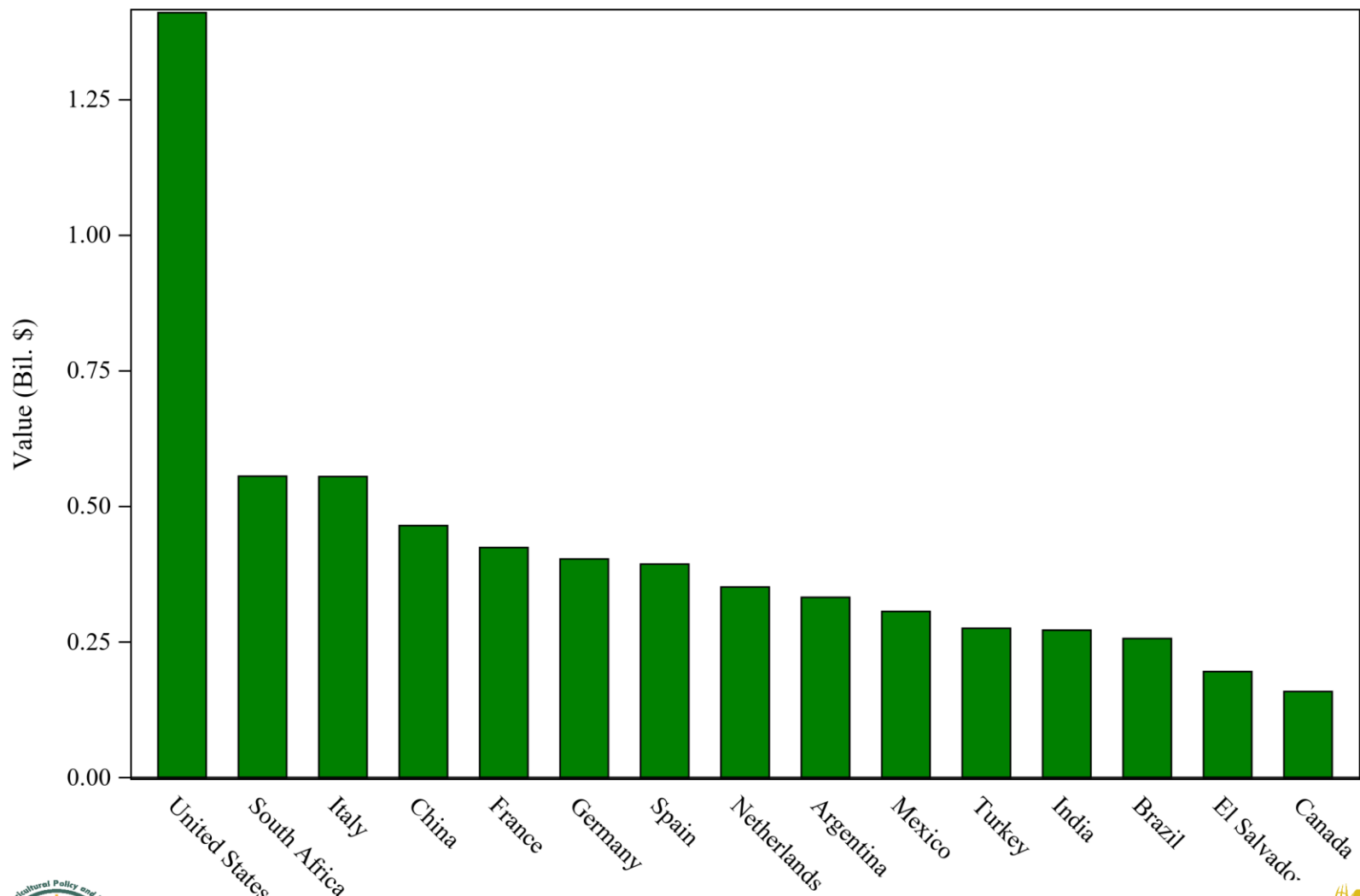
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Table 21: Top 15 Countries Corn Flour (GHS) Export Value, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	2,546,169,193	509,233,839	190,236,210	37.4	38.1
Italy	5	456,766,307	91,353,261	8,743,453	9.6	6.84
Netherlands	5	410,690,262	82,138,052	9,728,198	11.8	6.15
China	5	368,417,009	73,683,402	53,756,846	73.0	5.52
France	5	346,815,017	69,363,003	12,455,435	18.0	5.20
Germany	5	313,468,083	62,693,617	37,763,152	60.2	4.70
South Africa	5	257,567,134	51,513,427	49,416,837	95.9	3.86
Spain	5	176,571,527	35,314,305	10,030,543	28.4	2.65
Mexico	5	175,996,836	35,199,367	11,050,685	31.4	2.64
Brazil	5	136,159,646	27,231,929	13,807,884	50.7	2.04
El Salvador	5	121,631,211	24,326,242	12,915,775	53.1	1.82
Canada	5	113,948,810	22,789,762	5,689,120	25.0	1.71
Argentina	5	83,235,512	16,647,102	7,096,530	42.6	1.25
Serbia and Kosovo	4	81,688,239	20,422,060	18,048,792	88.4	1.22
Colombia	5	78,935,205	15,787,041	3,029,359	19.2	1.18

Figure 28: Top 15 Countries Corn Flour (GHS) Export Value, 2009-2013



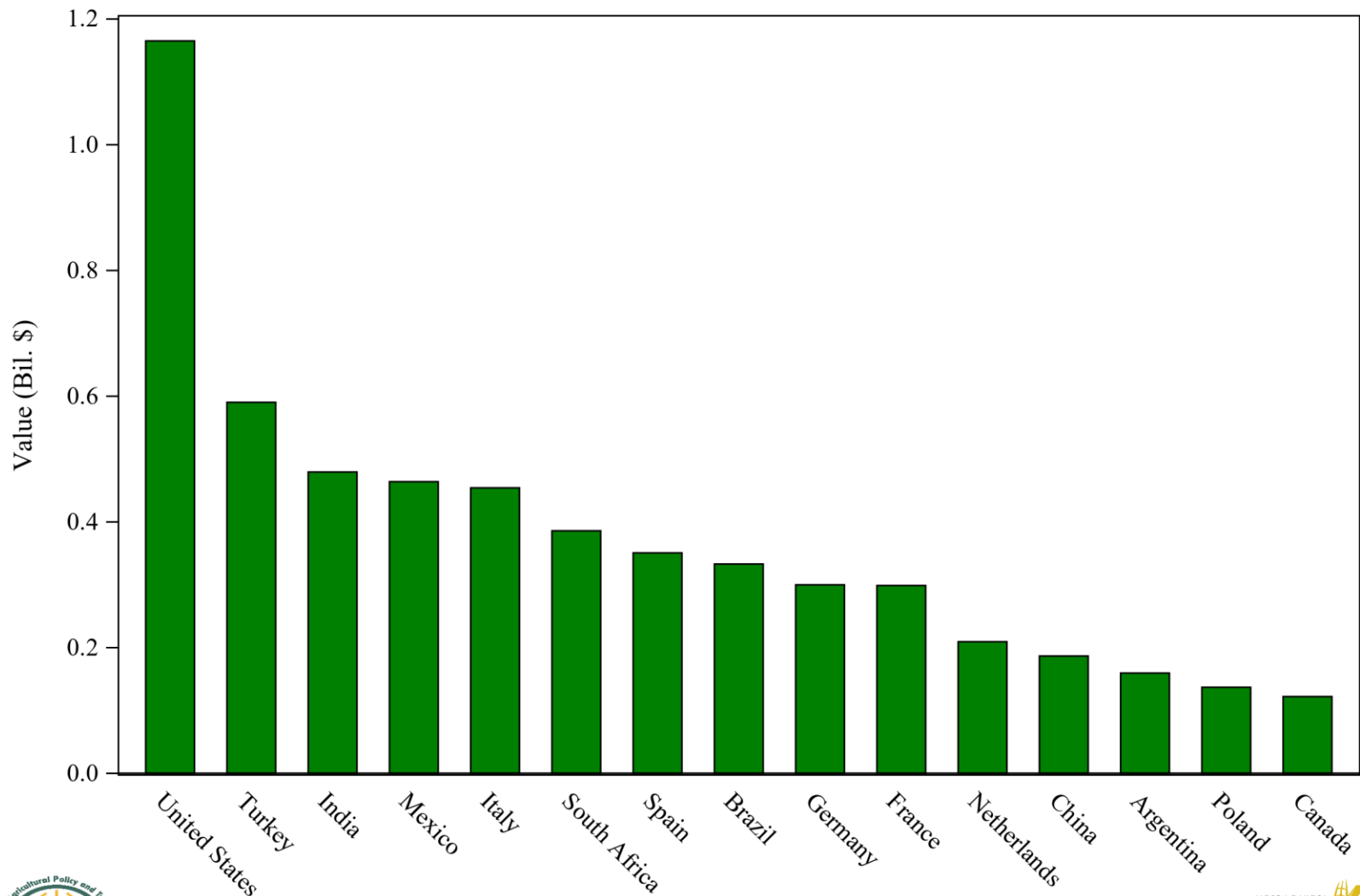
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Table 22: Top 15 Countries Corn Flour (GHS) Export Value, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	1,409,752,242	281,950,448	22,536,901	8.0	17.0
South Africa	5	555,328,864	111,065,773	26,229,756	23.6	6.71
Italy	5	554,632,661	110,926,532	13,673,696	12.3	6.70
China	5	464,211,469	92,842,294	42,698,584	46.0	5.61
France	5	423,820,148	84,764,030	9,118,796	10.8	5.12
Germany	4	402,722,429	100,680,607	16,817,728	16.7	4.86
Spain	5	393,294,033	78,658,807	24,178,640	30.7	4.75
Netherlands	5	351,070,492	70,214,098	15,354,647	21.9	4.24
Argentina	5	332,046,823	66,409,365	37,075,576	55.8	4.01
Mexico	5	306,031,479	61,206,296	9,749,495	15.9	3.70
Turkey	5	274,981,783	54,996,357	29,469,705	53.6	3.32
India	5	271,486,514	54,297,303	38,196,685	70.3	3.28
Brazil	5	256,132,953	51,226,591	7,457,362	14.6	3.09
El Salvador	5	195,106,967	39,021,393	5,650,501	14.5	2.36
Canada	5	158,427,591	31,685,518	9,119,946	28.8	1.91

Figure 29: Top 15 Countries Corn Flour (GHS) Export Value, 2014-2018



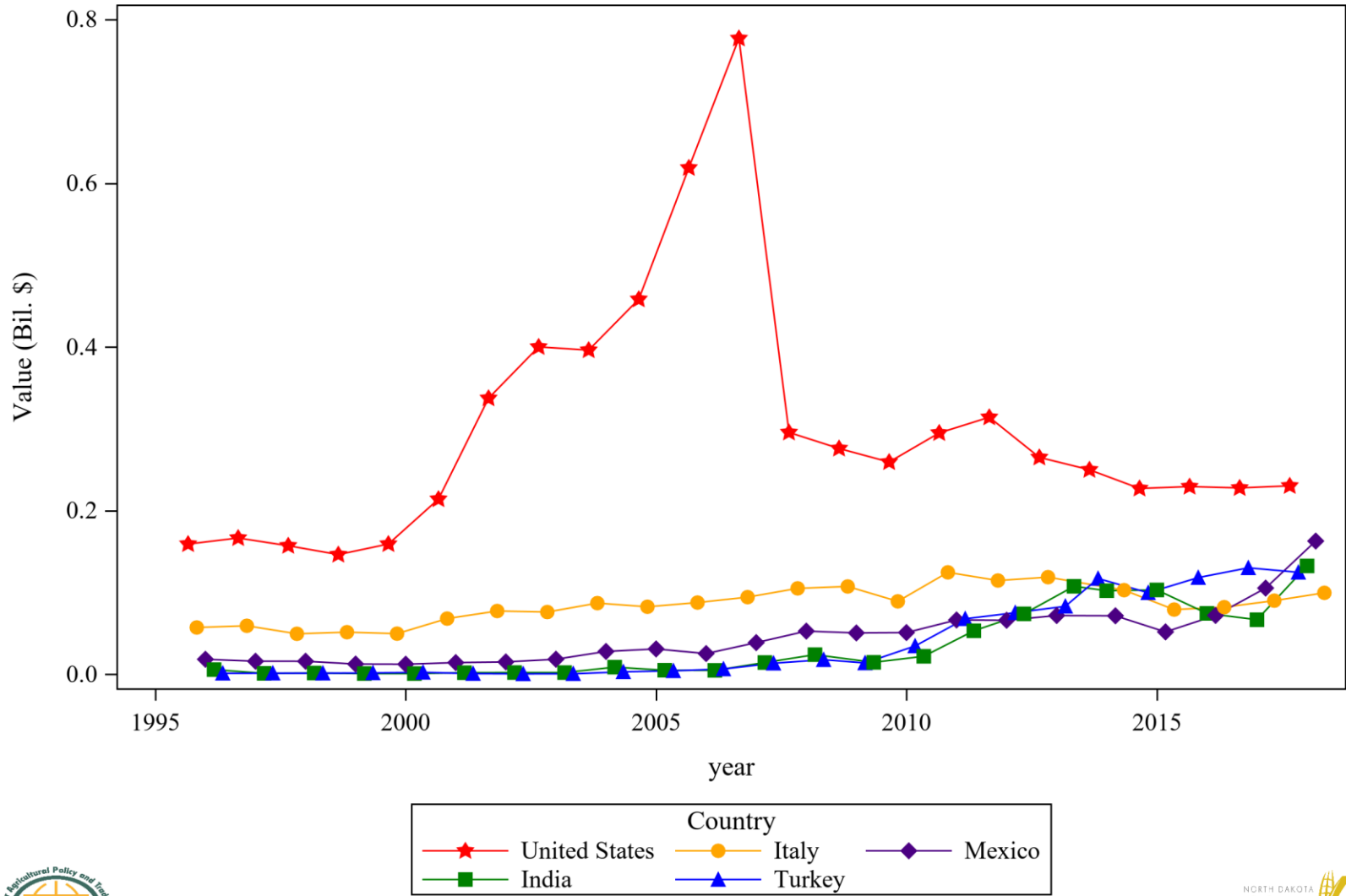
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Table 23: Top 15 Countries Corn Flour (GHS) Export Value, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	1,164,726,266	232,945,253	9,615,186	4.1	15.7
Turkey	5	589,900,415	117,980,083	11,482,882	9.7	7.93
India	5	479,061,955	95,812,391	26,164,031	27.3	6.44
Mexico	5	463,692,652	92,738,530	43,675,286	47.1	6.23
Italy	5	453,832,859	90,766,572	10,437,201	11.5	6.10
South Africa	3	385,543,278	128,514,426	13,089,823	10.2	5.18
Spain	5	350,410,381	70,082,076	8,879,004	12.7	4.71
Brazil	5	332,719,728	66,543,946	9,177,325	13.8	4.47
Germany	3	299,668,979	99,889,660	2,935,870	2.9	4.03
France	5	298,500,148	59,700,030	12,952,326	21.7	4.01
Netherlands	4	209,123,732	52,280,933	12,833,978	24.5	2.81
China	4	186,370,295	46,592,574	22,451,734	48.2	2.51
Argentina	5	159,251,178	31,850,236	14,776,764	46.4	2.14
Poland	5	136,660,356	27,332,071	4,066,971	14.9	1.84
Canada	3	121,898,278	40,632,759	2,692,142	6.6	1.64

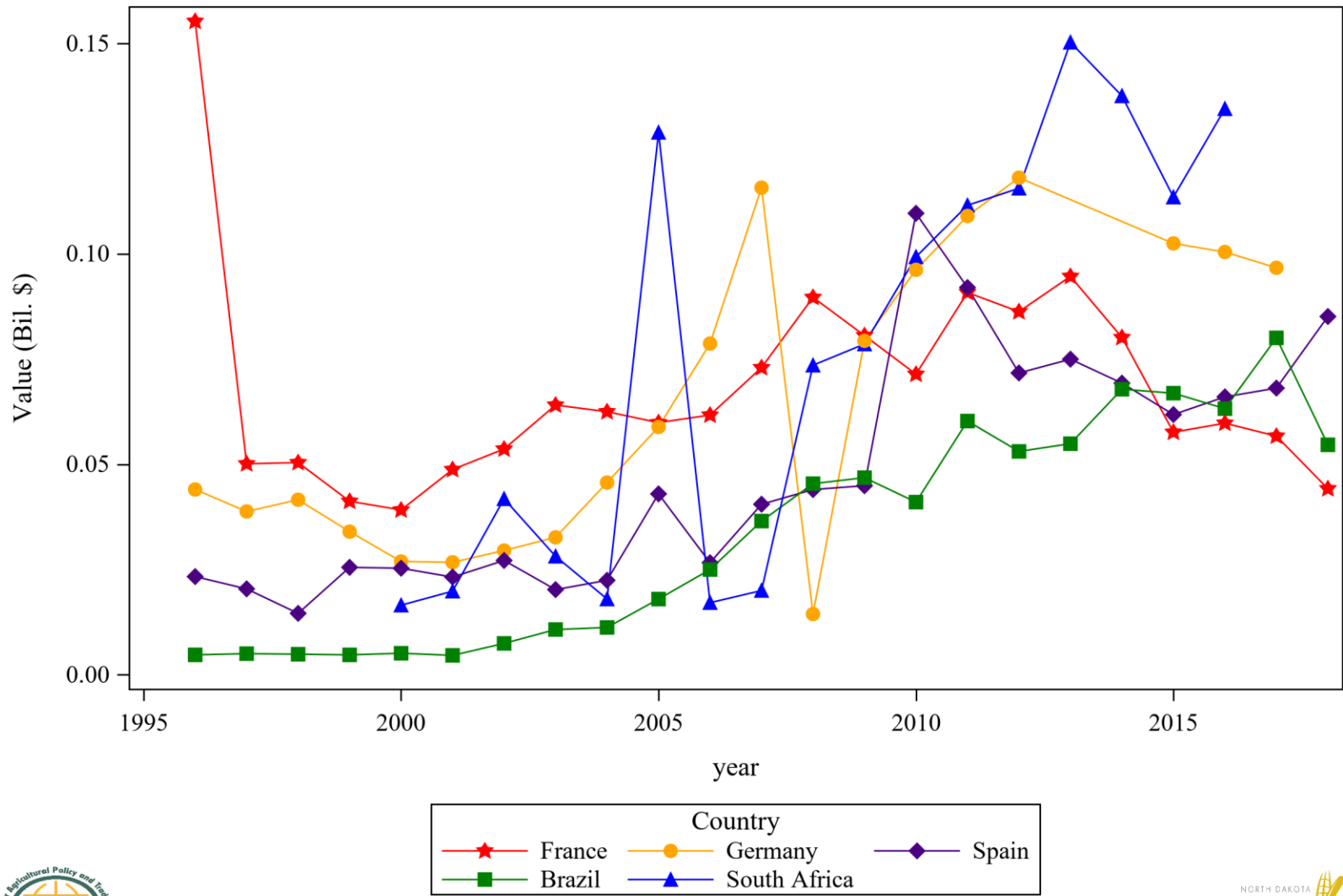
Figure 30: Top 5 Countries Corn Flour (GHS) Export Value, Annual Trends



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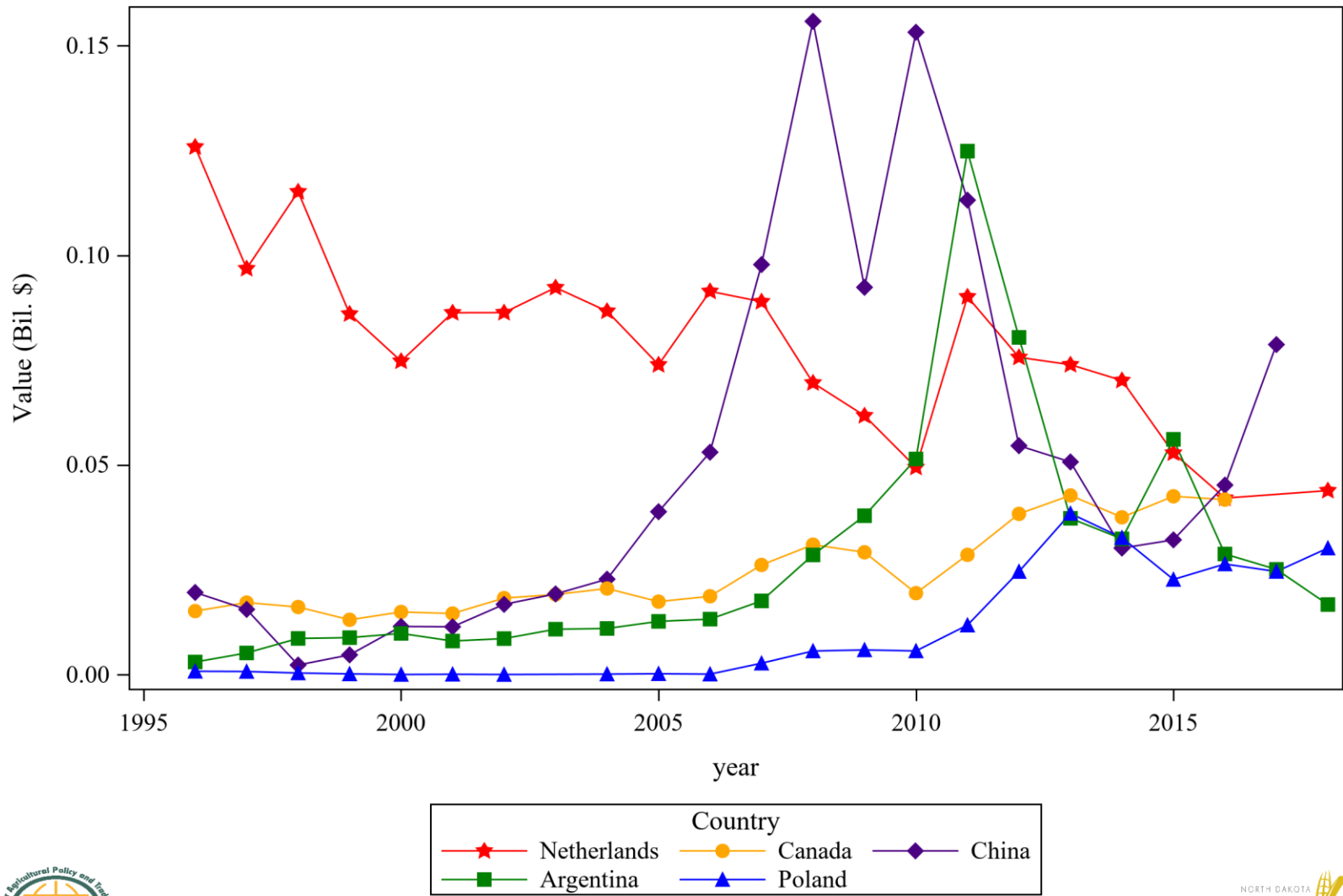
Figure 31: Top 6 to 10 Countries Corn Flour (GHS) Export Value, Annual Trends



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Figure 32: Top 11 to 15 Countries Corn Flour (GHS) Export Value, Annual Trends



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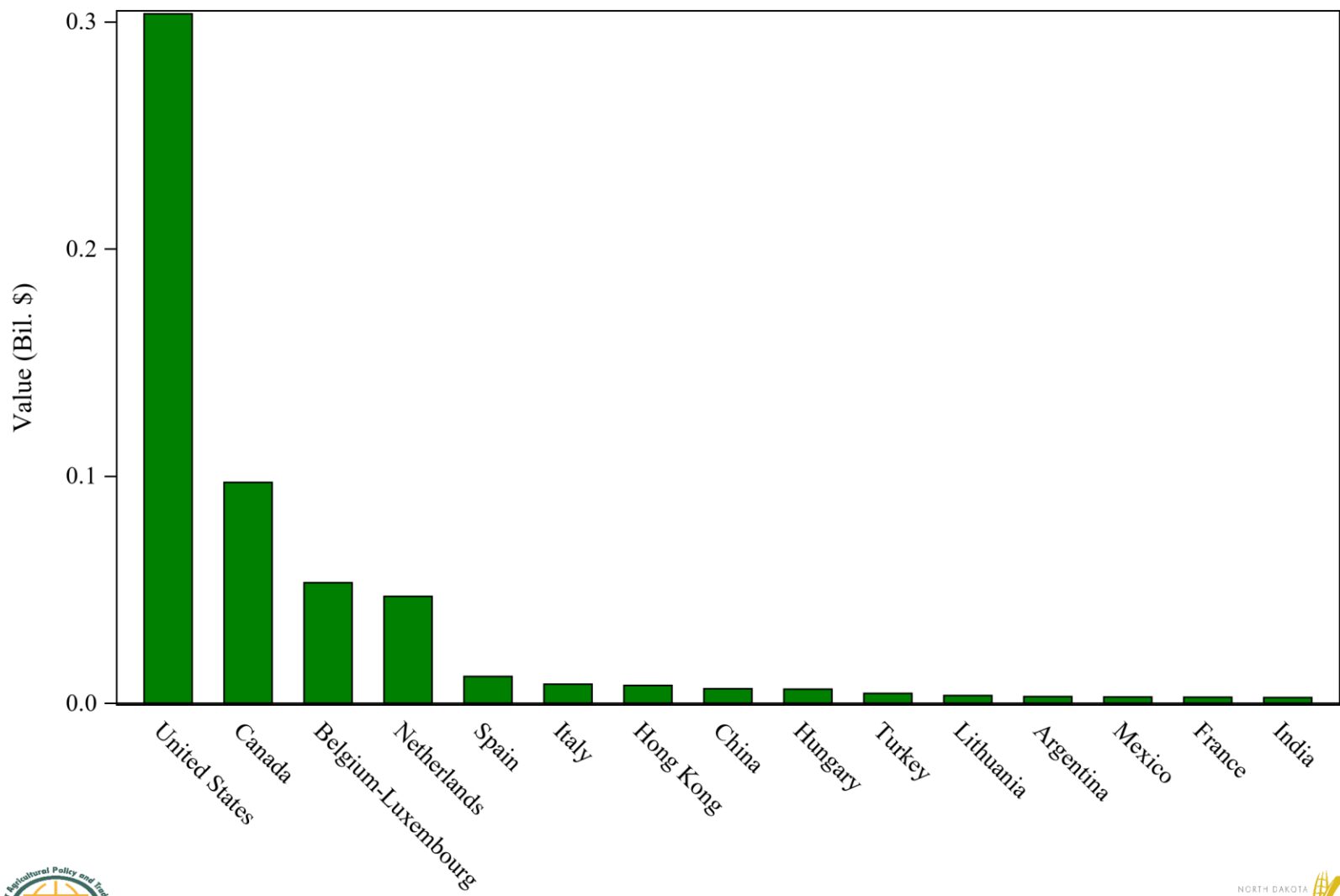


Table 24: Top 15 Countries Corn Flour (GHS) Export Value, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
United States	259,461,325	294,999,115	314,161,293	265,141,444	249,999,041	227,178,297	229,410,185	227,809,196	230,329,547
Turkey	34,654,215	67,907,268	75,327,747	83,164,099	117,111,558	99,717,567	118,237,398	130,153,501	124,680,391
India	22,061,556	53,241,439	73,922,197	107,591,197	102,187,104	103,159,190	74,494,667	66,744,732	132,476,262
Mexico	51,034,088	66,446,689	66,086,602	71,849,403	71,540,566	51,868,218	72,005,565	105,394,522	162,883,781
Italy	89,198,382	124,633,826	114,655,643	118,762,821	102,905,940	79,164,567	82,096,359	90,061,953	99,604,040
South Africa	99,302,783	111,555,870	115,597,784	150,284,041	137,546,214	113,502,648	134,494,416	.	.
Spain	109,648,057	92,019,729	71,713,758	74,985,770	69,296,107	61,834,828	66,030,929	68,118,381	85,130,136
Brazil	41,024,054	60,289,603	53,071,452	54,909,190	67,853,821	66,909,965	63,247,925	80,059,663	54,648,354
Germany	96,234,348	109,022,686	118,117,740	.	.	102,498,833	100,459,504	96,710,642	.
France	71,423,870	90,834,990	86,281,842	94,673,582	80,146,589	57,645,523	59,787,610	56,705,696	44,214,730
Netherlands	49,466,209	90,149,569	75,710,644	73,953,986	70,194,292	52,876,361	42,131,435	.	43,921,644
China	153,229,656	113,192,850	54,626,999	50,755,490	30,214,804	32,170,872	45,233,424	78,751,195	.
Argentina	51,459,558	124,883,781	80,466,686	37,309,008	32,409,224	56,156,012	28,798,147	25,134,134	16,753,661
Poland	5,683,508	11,840,450	24,608,593	38,470,377	32,675,359	22,732,828	26,414,474	24,625,982	30,211,713
Canada	19,465,079	28,602,370	38,376,555	42,773,783	37,559,032	42,571,843	41,767,403	.	.

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Figure 33: Top 15 Countries Corn Sugars (GF) Export Value, 1994-1998



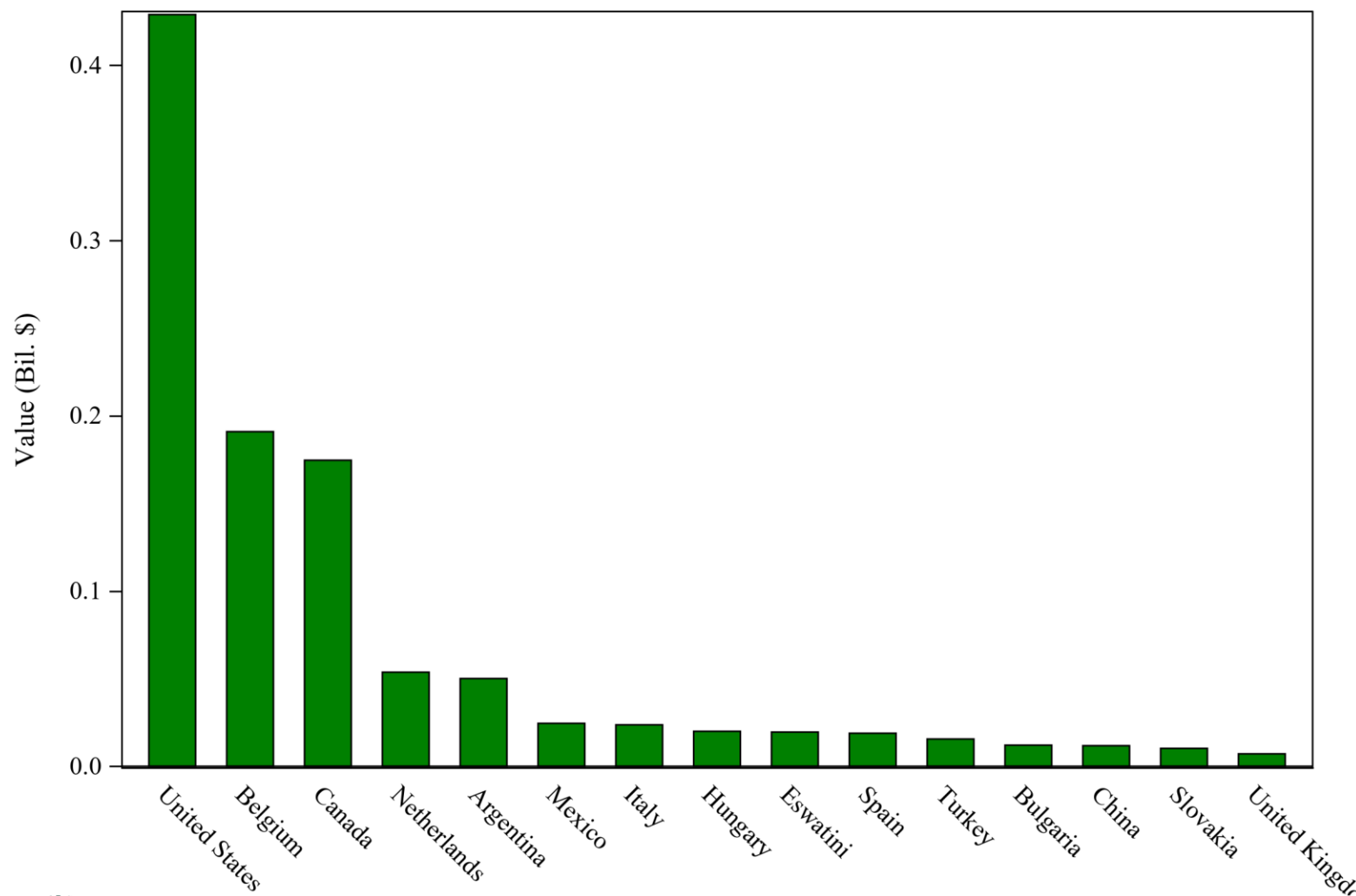
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Table 25: Top 15 Countries Corn Sugars (GF) Export Value, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	3	303,557,617	101,185,872	22,273,421	22.0	52.4
Canada	3	97,215,560	32,405,187	2,356,236	7.3	16.8
Belgium-Luxembourg	3	53,061,901	17,687,300	17,403,332	98.4	9.17
Netherlands	3	47,022,877	15,674,292	9,804,047	62.5	8.12
Spain	3	11,769,080	3,923,027	1,436,615	36.6	2.03
Italy	3	8,371,501	2,790,500	828,064	29.7	1.45
Hong Kong	3	7,815,474	2,605,158	270,050	10.4	1.35
China	3	6,372,201	2,124,067	1,047,714	49.3	1.10
Hungary	3	6,172,000	2,057,333	1,422,199	69.1	1.07
Turkey	3	4,318,851	1,439,617	880,745	61.2	0.75
Lithuania	3	3,366,569	1,122,190	1,305,276	116	0.58
Argentina	3	2,908,572	969,524	780,992	80.6	0.50
Mexico	3	2,726,192	908,731	488,744	53.8	0.47
France	3	2,630,592	876,864	538,331	61.4	0.45
India	3	2,482,255	827,418	357,173	43.2	0.43

Figure 34: Top 15 Countries Corn Sugars (GF) Export Value, 1999-2003



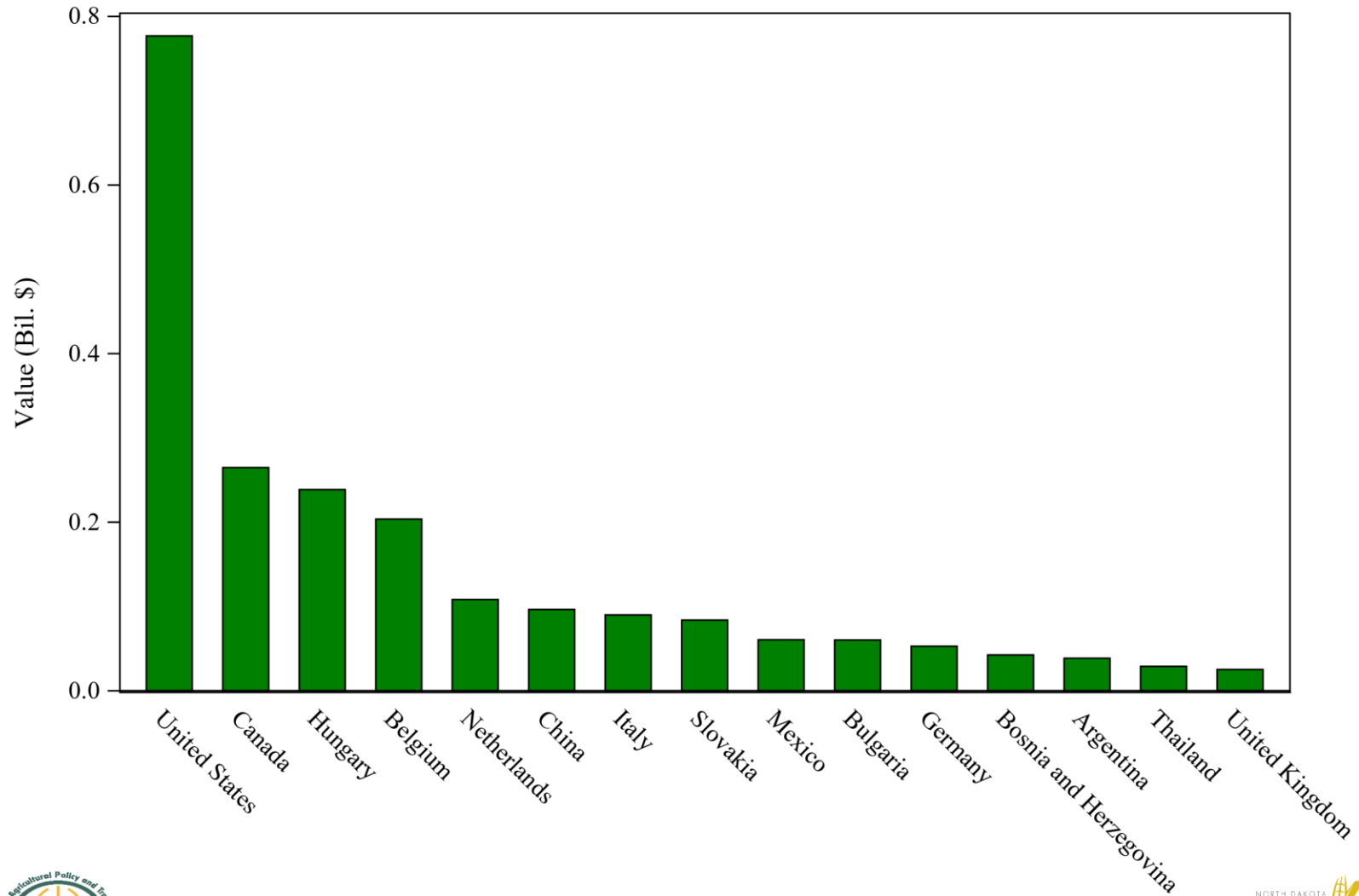
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Table 26: Top 15 Countries Corn Sugars (GF) Export Value, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	428,975,290	85,795,058	16,886,277	19.7	38.5
Belgium	5	190,964,477	38,192,895	19,130,140	50.1	17.1
Canada	5	174,639,186	34,927,837	3,493,475	10.0	15.7
Netherlands	5	53,682,052	10,736,410	4,954,400	46.1	4.82
Argentina	5	50,070,812	10,014,162	4,009,561	40.0	4.49
Mexico	5	24,498,800	4,899,760	2,426,885	49.5	2.20
Italy	5	23,639,740	4,727,948	1,910,574	40.4	2.12
Hungary	3	19,953,000	6,651,000	5,897,302	88.7	1.79
Eswatini	4	19,517,116	4,879,279	3,279,164	67.2	1.75
Spain	5	18,835,330	3,767,066	512,102	13.6	1.69
Turkey	5	15,542,253	3,108,451	1,702,290	54.8	1.39
Bulgaria	5	12,045,986	2,409,197	1,802,132	74.8	1.08
China	5	11,731,226	2,346,245	1,494,707	63.7	1.05
Slovakia	5	10,220,898	2,044,180	388,221	19.0	0.92
United Kingdom	5	7,093,435	1,418,687	720,155	50.8	0.64

Figure 35: Top 15 Countries Corn Sugars (GF) Export Value, 2004-2008



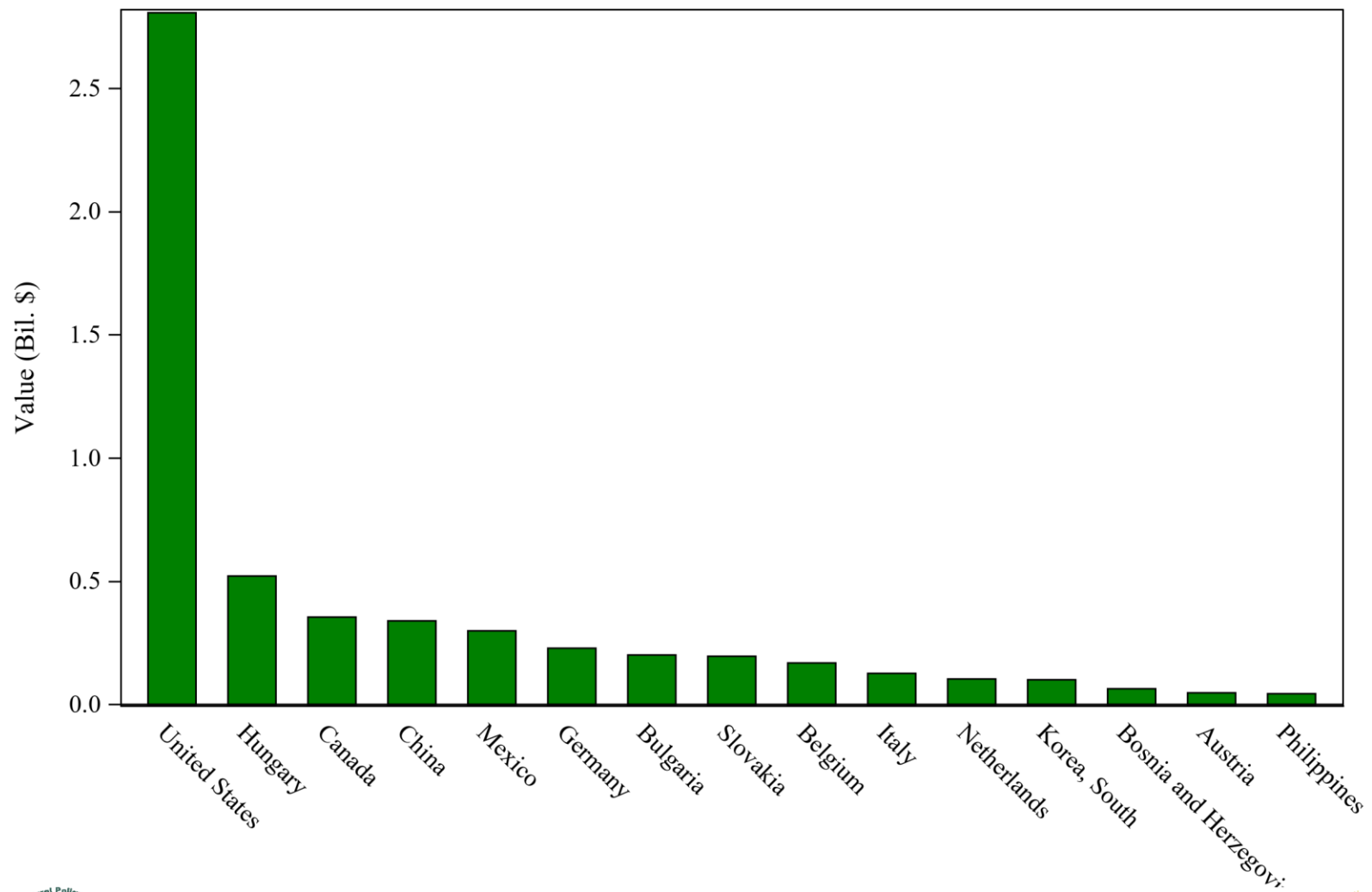
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Table 27: Top 15 Countries Corn Sugars (GF) Export Value, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	776,634,606	155,326,921	84,048,506	54.1	33.8
Canada	5	264,595,129	52,919,026	12,043,112	22.8	11.5
Hungary	5	238,505,000	47,701,000	24,384,307	51.1	10.4
Belgium	5	203,532,651	40,706,530	11,700,251	28.7	8.85
Netherlands	5	108,075,955	21,615,191	6,840,011	31.6	4.70
China	5	96,314,055	19,262,811	6,879,427	35.7	4.19
Italy	5	89,787,051	17,957,410	3,628,570	20.2	3.90
Slovakia	4	83,653,082	20,913,271	8,213,602	39.3	3.64
Mexico	5	60,379,082	12,075,816	8,369,345	69.3	2.62
Bulgaria	5	60,040,181	12,008,036	704,408	5.9	2.61
Germany	1	52,709,472	52,709,472	.	.	2.29
Bosnia and Herzegovina	5	42,331,043	8,466,209	3,316,948	39.2	1.84
Argentina	5	38,429,578	7,685,916	3,148,114	41.0	1.67
Thailand	5	28,801,070	5,760,214	5,931,069	103	1.25
United Kingdom	5	25,113,389	5,022,678	2,517,312	50.1	1.09

Figure 36: Top 15 Countries Corn Sugars (GF) Export Value, 2009-2013



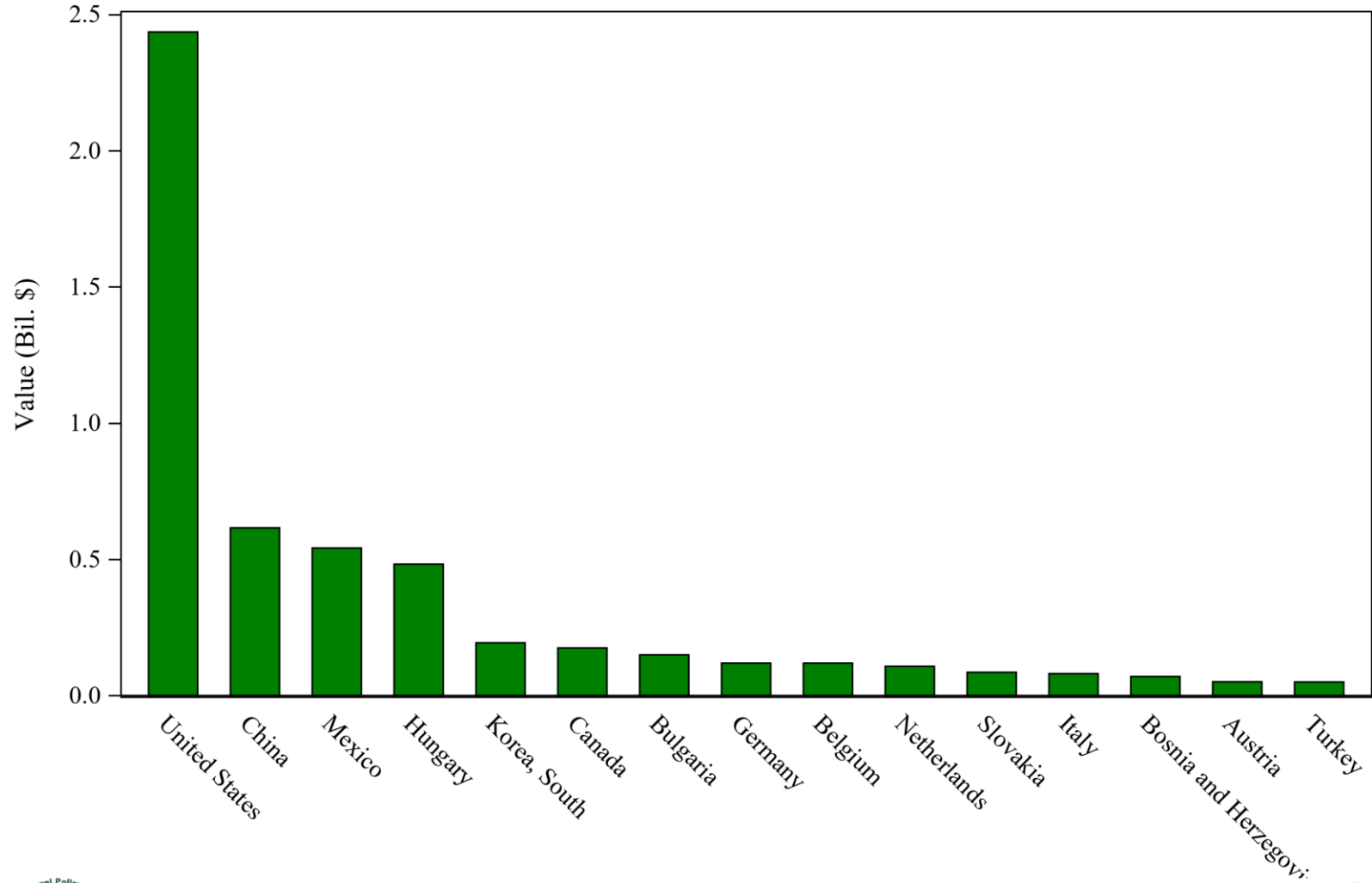
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Table 28: Top 15 Countries Corn Sugars (GF) Export Value, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	2,806,581,800	561,316,360	195,999,543	34.9	47.7
Hungary	5	520,979,917	104,195,983	30,276,974	29.1	8.86
Canada	5	354,352,681	70,870,536	8,032,610	11.3	6.02
China	5	338,876,433	67,775,287	27,118,685	40.0	5.76
Mexico	5	298,417,165	59,683,433	18,888,667	31.6	5.07
Germany	4	228,024,789	57,006,197	6,311,747	11.1	3.88
Bulgaria	5	200,514,016	40,102,803	9,455,598	23.6	3.41
Slovakia	5	195,267,127	39,053,425	9,099,030	23.3	3.32
Belgium	5	168,103,094	33,620,619	10,934,157	32.5	2.86
Italy	5	125,854,216	25,170,843	5,382,028	21.4	2.14
Netherlands	5	103,184,220	20,636,844	4,217,514	20.4	1.75
Korea, South	5	99,982,922	19,996,584	8,942,315	44.7	1.70
Bosnia and Herzegovina	5	63,343,745	12,668,749	5,240,629	41.4	1.08
Austria	5	46,902,603	9,380,521	7,065,017	75.3	0.80
Philippines	5	43,224,825	8,644,965	18,903,078	219	0.73

Figure 37: Top 15 Countries Corn Sugars (GF) Export Value, 2014-2018



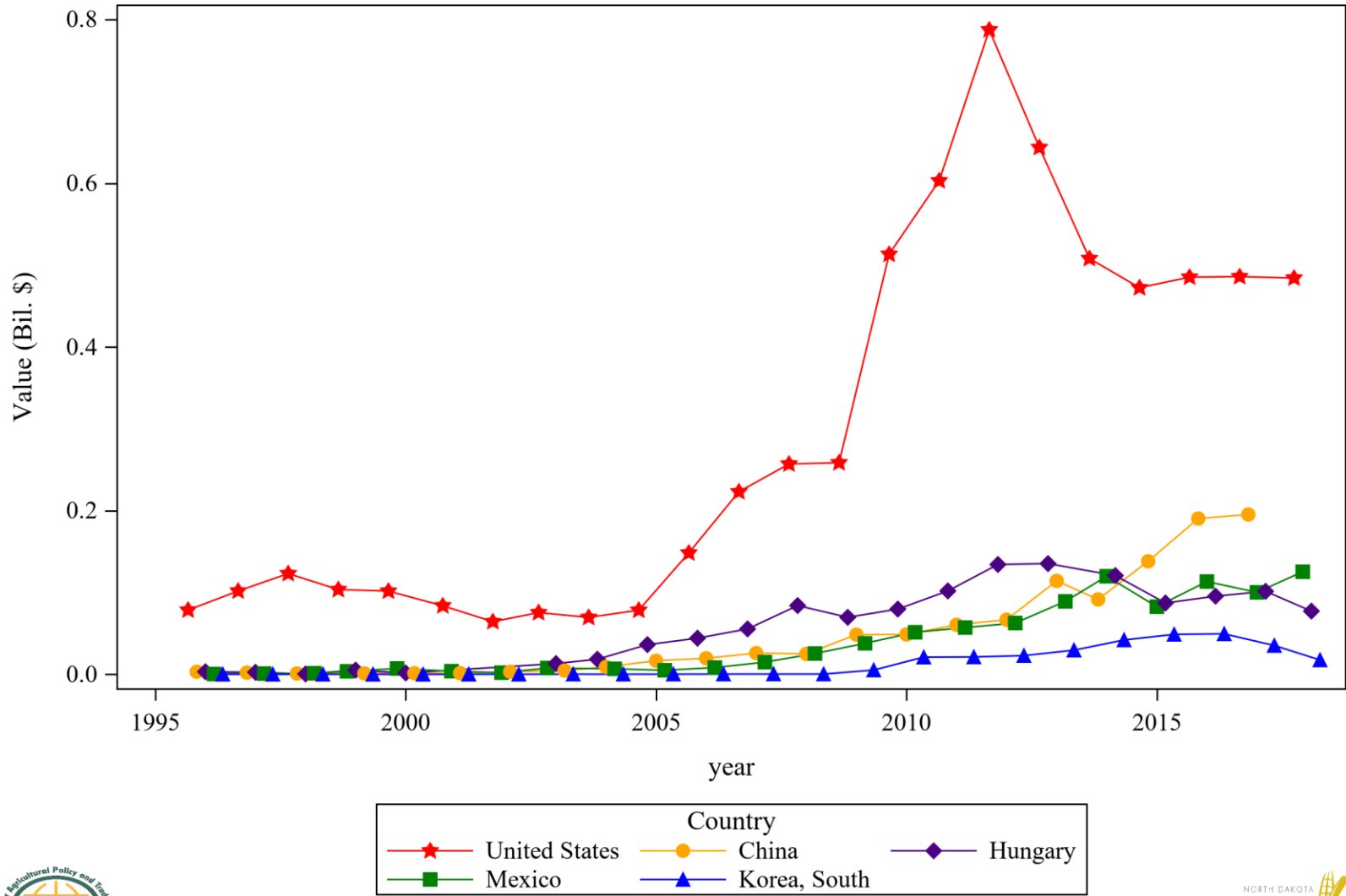
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Table 29: Top 15 Countries Corn Sugars (GF) Export Value, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	2,436,249,466	487,249,893	12,950,243	2.7	44.0
China	4	615,470,677	153,867,669	48,933,732	31.8	11.1
Mexico	5	541,526,989	108,305,398	17,138,272	15.8	9.77
Hungary	5	482,098,214	96,419,643	16,314,559	16.9	8.70
Korea, South	5	193,164,128	38,632,826	13,127,560	34.0	3.49
Canada	3	174,440,954	58,146,985	15,866,960	27.3	3.15
Bulgaria	5	149,187,642	29,837,528	7,189,762	24.1	2.69
Germany	3	118,809,048	39,603,016	1,976,462	5.0	2.14
Belgium	5	118,744,900	23,748,980	5,864,214	24.7	2.14
Netherlands	4	107,002,303	26,750,576	2,854,779	10.7	1.93
Slovakia	3	85,075,506	28,358,502	5,828,192	20.6	1.54
Italy	5	80,196,272	16,039,254	4,449,637	27.7	1.45
Bosnia and Herzegovina	5	69,744,371	13,948,874	4,379,381	31.4	1.26
Austria	5	50,406,319	10,081,264	2,273,879	22.6	0.91
Turkey	5	49,648,695	9,929,739	2,344,494	23.6	0.90

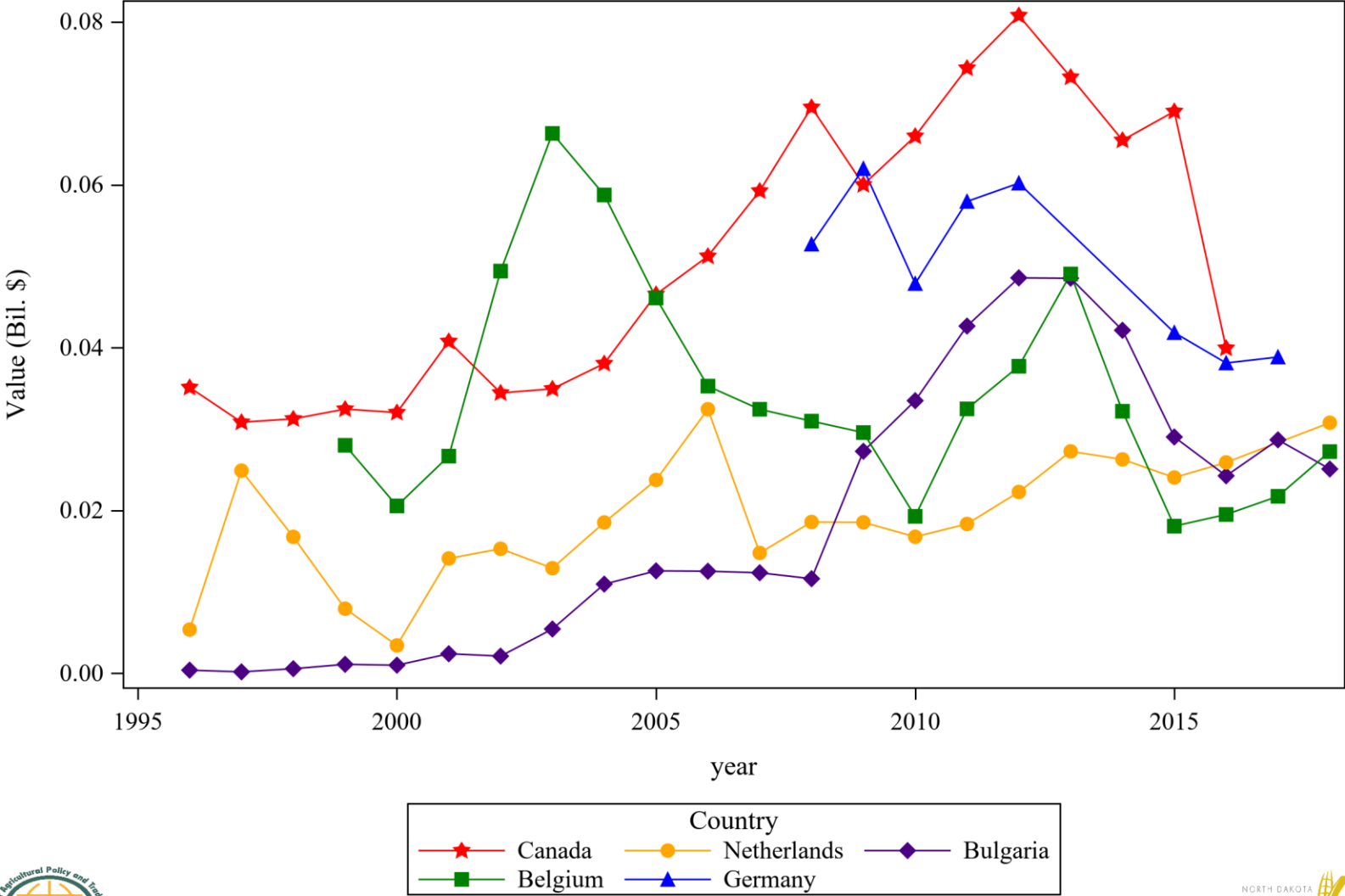
Figure 38: Top 5 Countries Corn Sugars (GF) Export Value, Annual Trends



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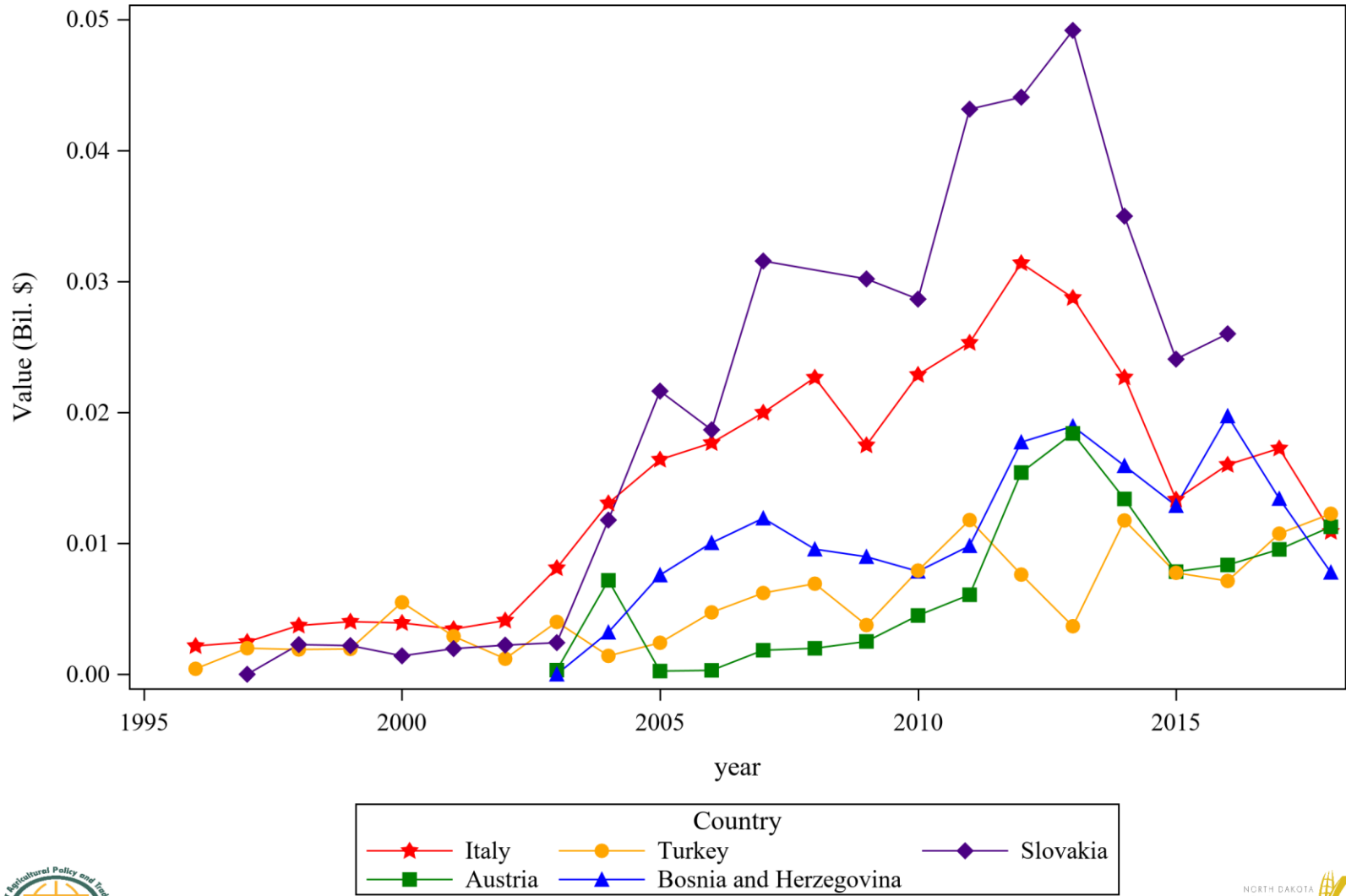
Figure 39: Top 6 to 10 Countries Corn Sugars (GF) Export Value, Annual Trends



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Figure 40: Top 11 to 15 Countries Corn Sugars (GF) Export Value, Annual Trends



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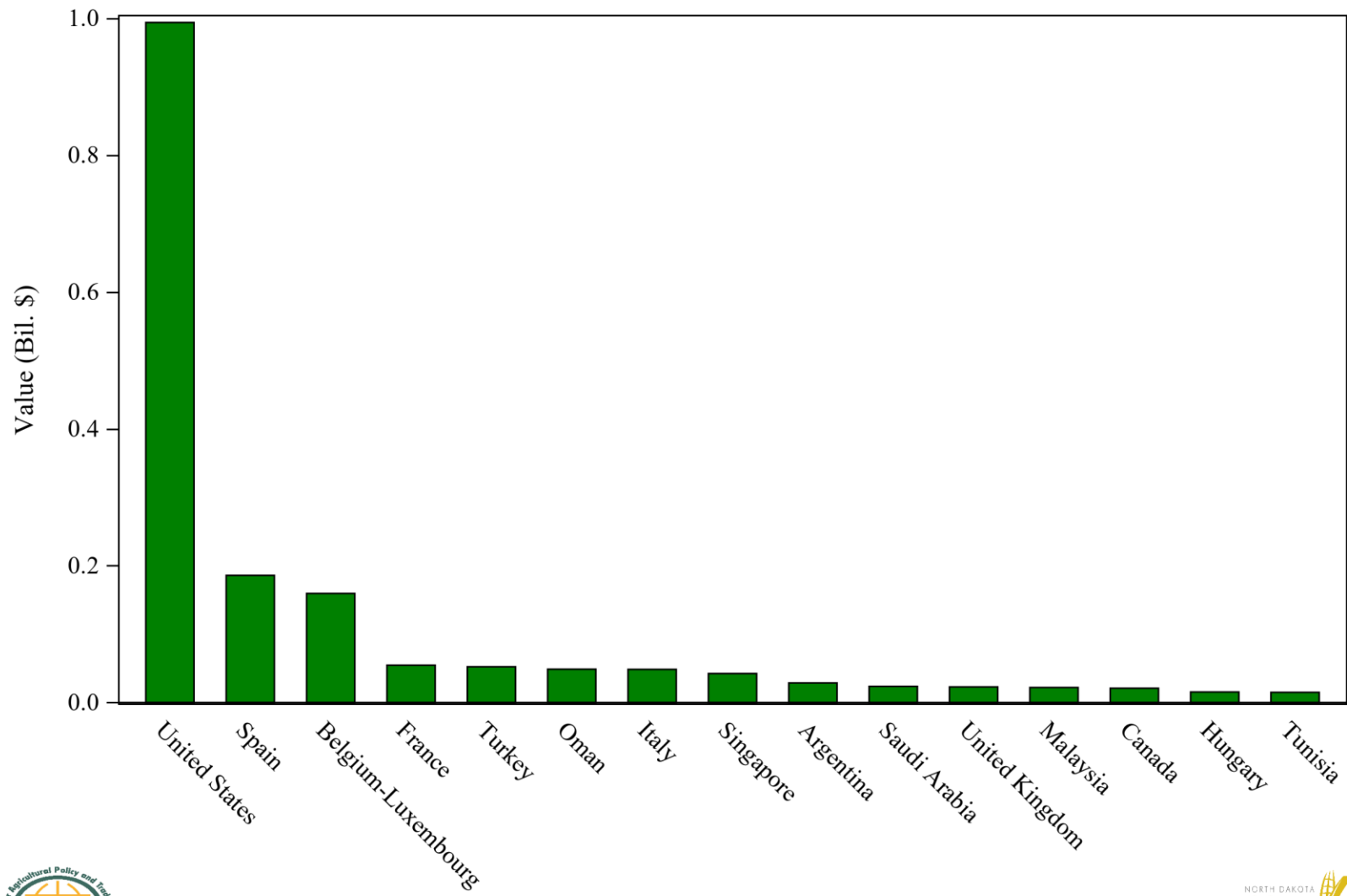


Table 30: Top 15 Countries Corn Sugars (GF) Export Value, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
United States	513,388,062	603,153,394	787,569,753	643,835,327	508,174,213	472,451,523	485,356,752	485,991,970	484,275,008
China	48,762,209	60,581,426	66,827,850	114,207,199	91,557,660	138,170,015	190,424,164	195,318,838	.
Mexico	51,464,211	57,158,856	62,740,646	89,161,756	119,872,173	82,685,982	113,407,726	100,158,174	125,402,934
Hungary	79,744,000	101,944,000	134,250,673	135,345,244	120,638,676	87,182,718	95,559,081	101,448,688	77,269,051
Korea, South	21,038,936	21,293,975	22,867,581	29,541,765	42,005,678	48,878,209	49,467,355	35,256,059	17,556,827
Canada	65,973,261	74,336,603	80,800,990	73,230,068	65,478,118	69,022,782	39,940,054	.	.
Bulgaria	33,488,712	42,648,746	48,575,493	48,528,769	42,131,580	29,026,462	24,258,142	28,676,457	25,095,001
Germany	47,867,364	57,960,684	60,205,795	.	.	41,845,496	38,114,535	38,849,017	.
Belgium	19,281,041	32,479,703	37,720,766	49,050,674	32,189,678	18,080,001	19,506,879	21,736,727	27,231,615
Netherlands	16,767,265	18,343,685	22,272,275	27,259,086	26,274,556	24,049,698	25,901,648	.	30,776,401
Slovakia	28,654,376	43,162,250	44,075,466	49,177,557	34,994,562	24,071,012	26,009,932	.	.
Italy	22,876,617	25,324,488	31,405,063	28,751,341	22,680,377	13,353,937	16,006,252	17,254,830	10,900,876
Bosnia and Herzegovina	7,865,234	9,816,830	17,734,767	18,945,048	15,929,617	12,880,053	19,727,894	13,420,208	7,786,599
Austria	4,495,808	6,079,953	15,410,736	18,402,171	13,396,288	7,843,365	8,353,434	9,544,227	11,269,005
Turkey	7,922,032	11,785,590	7,619,891	3,675,115	11,753,667	7,754,824	7,132,716	10,745,019	12,262,469

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Figure 41: Top 15 Countries Corn Oil (CR) Export Value, 1994-1998



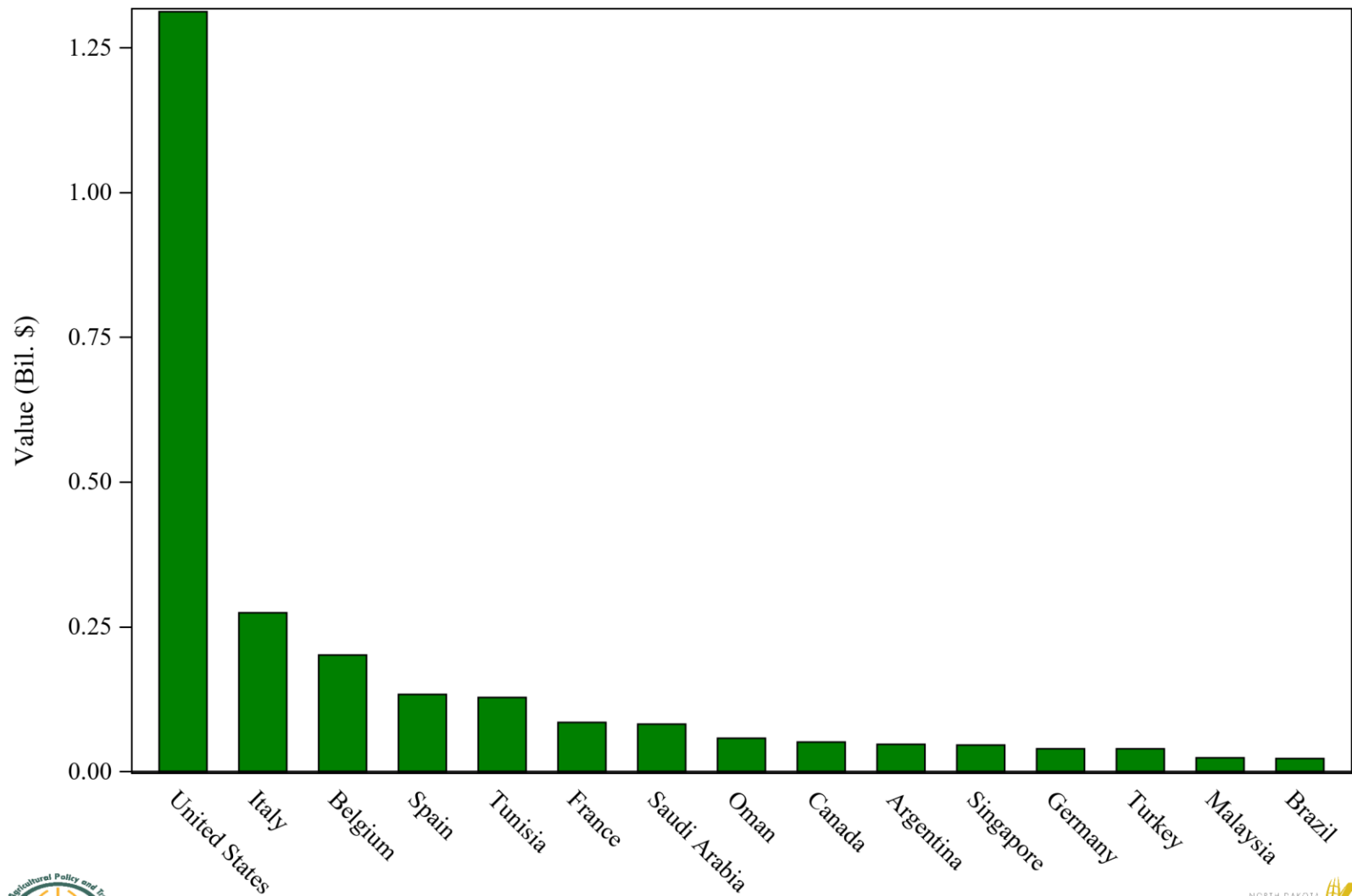
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Table 31: Top 15 Countries Corn Oil (CR) Export Value, Descriptive Statistics for 1994-1998

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	3	994,258,202	331,419,401	65,160,384	19.7	54.8
Spain	3	185,829,406	61,943,135	46,068,396	74.4	10.2
Belgium-Luxembourg	3	159,430,133	53,143,378	2,039,338	3.8	8.79
France	3	54,544,045	18,181,348	2,517,129	13.8	3.01
Turkey	3	52,167,965	17,389,322	14,559,187	83.7	2.88
Oman	3	48,683,284	16,227,761	6,100,556	37.6	2.68
Italy	3	48,414,539	16,138,180	9,909,262	61.4	2.67
Singapore	3	42,260,643	14,086,881	1,371,526	9.7	2.33
Argentina	3	28,531,925	9,510,642	3,237,014	34.0	1.57
Saudi Arabia	2	23,544,489	11,772,245	1,942,713	16.5	1.30
United Kingdom	3	22,758,643	7,586,214	304,256	4.0	1.25
Malaysia	3	21,864,608	7,288,203	1,332,155	18.3	1.21
Canada	3	20,771,672	6,923,891	3,948,964	57.0	1.14
Hungary	2	15,332,000	7,666,000	7,919,596	103	0.85
Tunisia	3	14,791,860	4,930,620	5,311,895	108	0.82

Figure 42: Top 15 Countries Corn Oil (CR) Export Value, 1999-2003



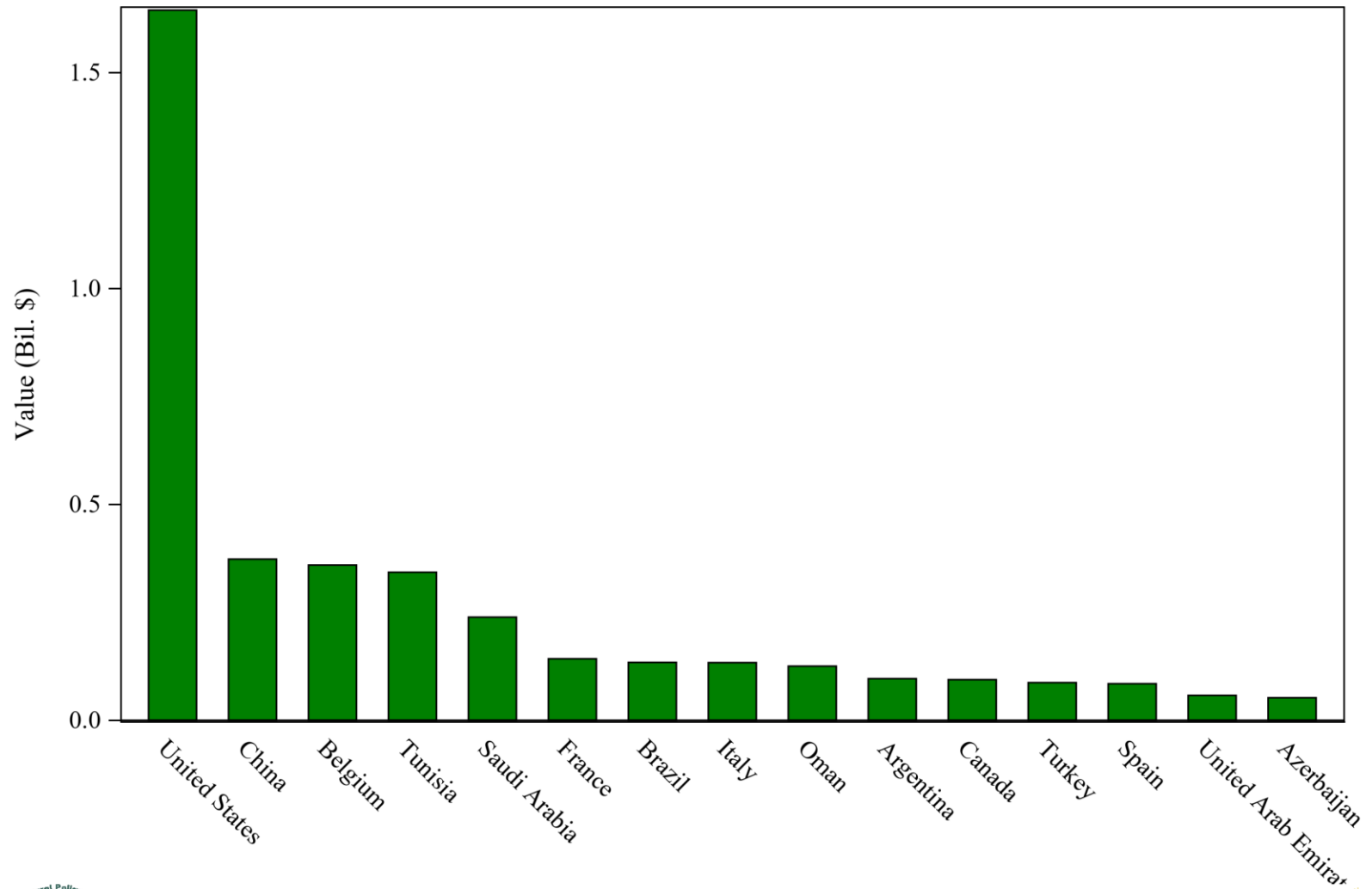
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Table 32: Top 15 Countries Corn Oil (CR) Export Value, Descriptive Statistics for 1999-2003

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	1,312,104,186	262,420,837	35,425,678	13.5	48.4
Italy	5	274,048,584	54,809,717	22,948,621	41.9	10.1
Belgium	5	201,054,803	40,210,961	7,432,640	18.5	7.42
Spain	5	133,058,297	26,611,659	17,020,081	64.0	4.91
Tunisia	5	127,796,646	25,559,329	16,954,206	66.3	4.71
France	5	84,676,722	16,935,344	3,175,244	18.7	3.12
Saudi Arabia	5	81,726,164	16,345,233	4,903,787	30.0	3.01
Oman	5	57,379,276	11,475,855	6,924,963	60.3	2.12
Canada	5	50,788,797	10,157,759	4,675,276	46.0	1.87
Argentina	5	46,856,436	9,371,287	3,182,384	34.0	1.73
Singapore	5	45,557,926	9,111,585	1,694,941	18.6	1.68
Germany	5	39,134,569	7,826,914	4,296,795	54.9	1.44
Turkey	5	39,093,352	7,818,670	987,848	12.6	1.44
Malaysia	5	23,586,476	4,717,295	2,155,042	45.7	0.87
Brazil	5	22,333,243	4,466,649	5,779,792	129	0.82

Figure 43: Top 15 Countries Corn Oil (CR) Export Value, 2004-2008



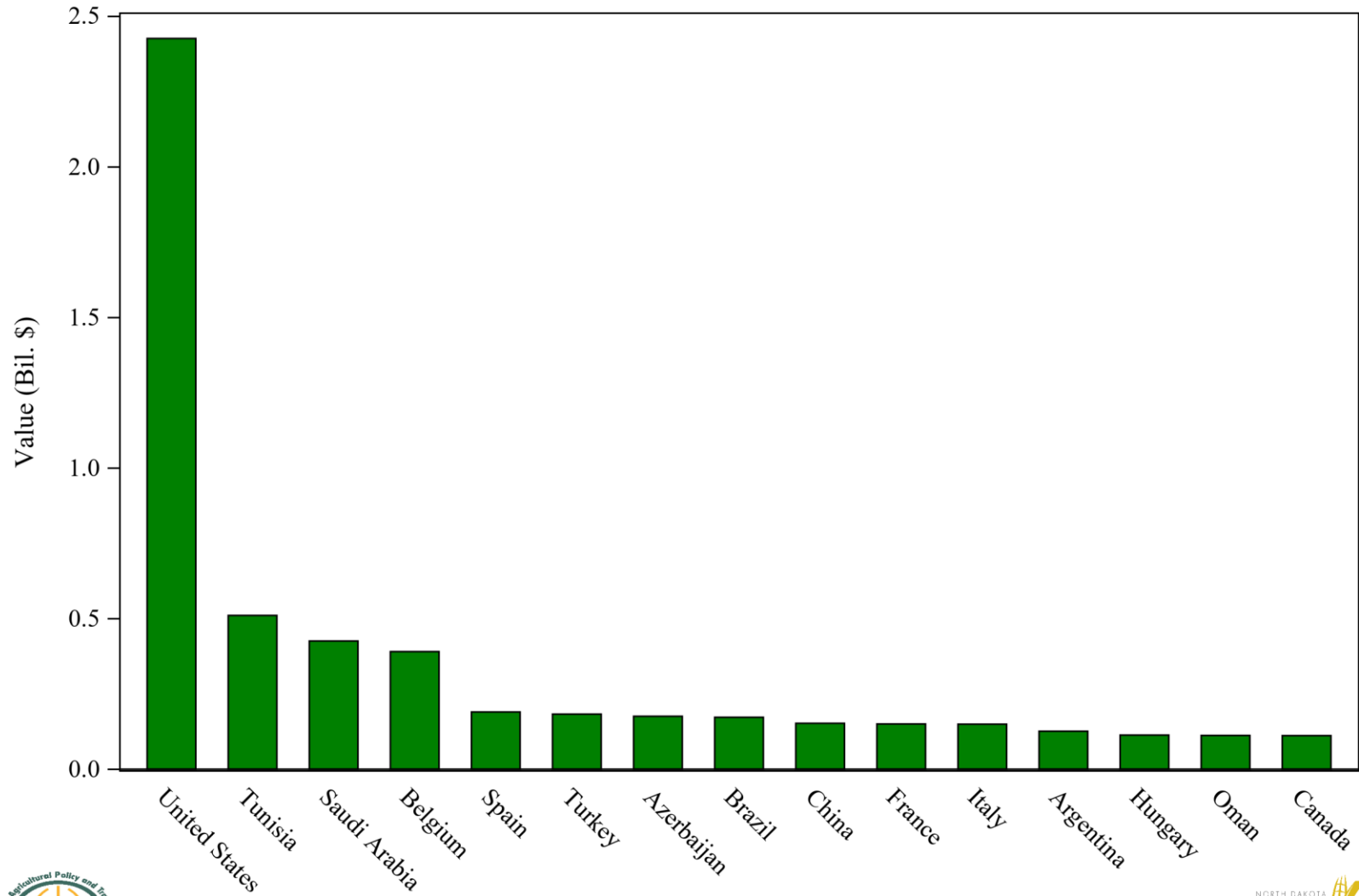
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Table 33: Top 15 Countries Corn Oil (CR) Export Value, Descriptive Statistics for 2004-2008

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	1,644,176,960	328,835,392	118,153,589	35.9	37.3
China	5	372,954,557	74,590,911	48,587,890	65.1	8.47
Belgium	5	359,207,927	71,841,585	24,754,784	34.5	8.16
Tunisia	5	342,635,304	68,527,061	44,221,854	64.5	7.78
Saudi Arabia	5	238,593,715	47,718,743	29,754,943	62.4	5.42
France	5	142,276,491	28,455,298	4,685,337	16.5	3.23
Brazil	5	133,811,275	26,762,255	7,188,637	26.9	3.04
Italy	5	133,227,390	26,645,478	16,775,057	63.0	3.03
Oman	5	125,136,224	25,027,245	7,981,364	31.9	2.84
Argentina	5	96,204,131	19,240,826	5,126,486	26.6	2.19
Canada	5	93,857,009	18,771,402	6,674,360	35.6	2.13
Turkey	5	87,034,654	17,406,931	10,327,720	59.3	1.98
Spain	5	84,518,171	16,903,634	16,628,371	98.4	1.92
United Arab Emirates	3	57,488,759	19,162,920	6,760,913	35.3	1.31
Azerbaijan	5	51,980,997	10,396,199	5,660,679	54.4	1.18

Figure 44: Top 15 Countries Corn Oil (CR) Export Value, 2009-2013



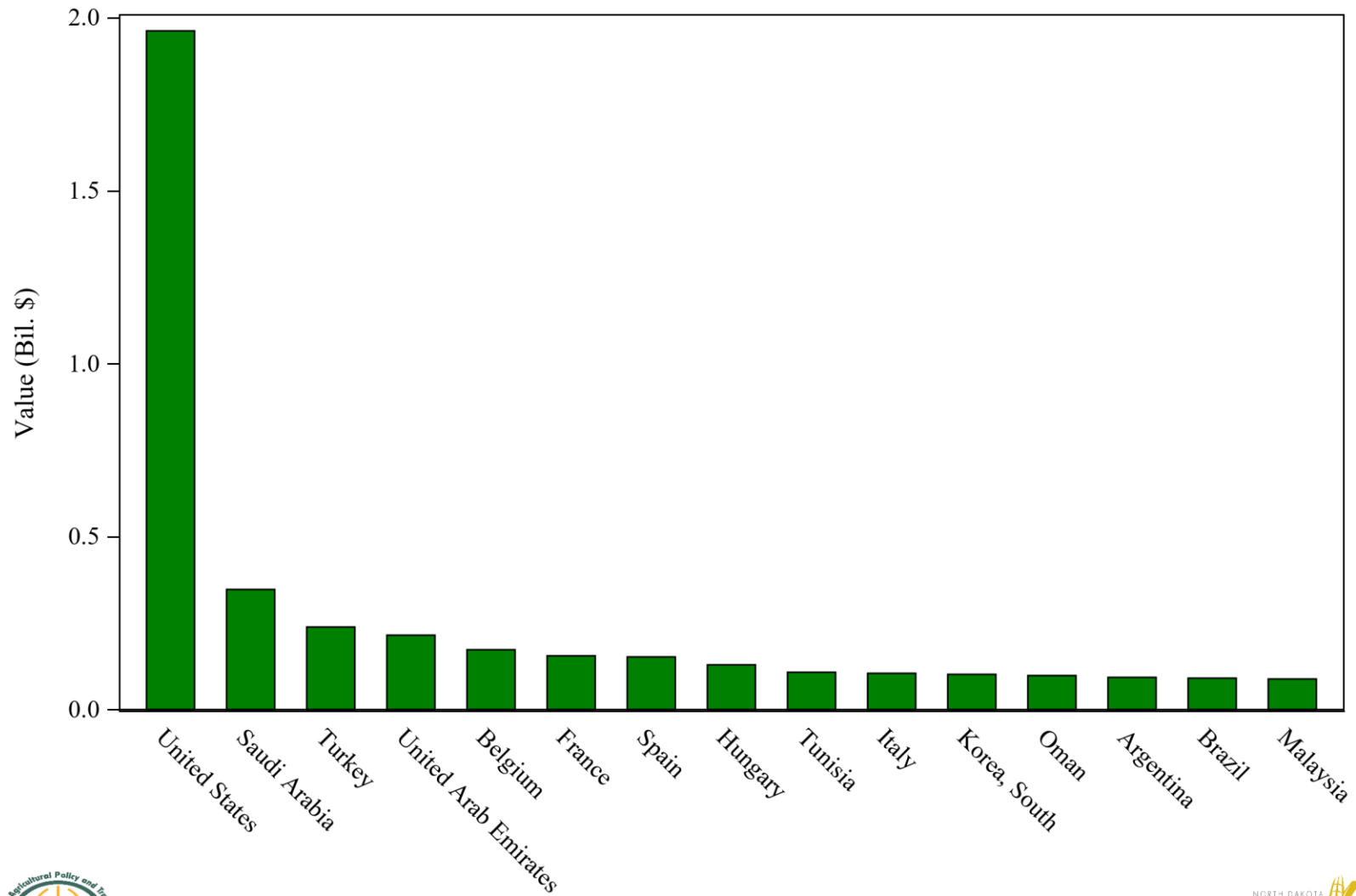
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Table 34: Top 15 Countries Corn Oil (CR) Export Value, Descriptive Statistics for 2009-2013

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	2,425,940,298	485,188,060	143,377,657	29.6	40.6
Tunisia	5	510,409,390	102,081,878	83,226,264	81.5	8.53
Saudi Arabia	5	425,474,181	85,094,836	7,680,687	9.0	7.11
Belgium	5	390,370,740	78,074,148	20,397,745	26.1	6.53
Spain	5	189,858,434	37,971,687	44,396,589	117	3.17
Turkey	5	182,820,457	36,564,091	14,576,200	39.9	3.06
Azerbaijan	5	175,601,095	35,120,219	15,642,821	44.5	2.94
Brazil	5	172,248,449	34,449,690	9,514,925	27.6	2.88
China	5	152,253,232	30,450,646	30,575,512	100	2.55
France	5	150,112,394	30,022,479	6,803,213	22.7	2.51
Italy	5	149,346,621	29,869,324	11,302,860	37.8	2.50
Argentina	5	126,062,061	25,212,412	10,223,837	40.6	2.11
Hungary	4	113,147,996	28,286,999	18,734,037	66.2	1.89
Oman	5	111,983,442	22,396,688	7,011,438	31.3	1.87
Canada	5	111,359,017	22,271,803	6,643,864	29.8	1.86

Figure 45: Top 15 Countries Corn Oil (CR) Export Value, 2014-2018



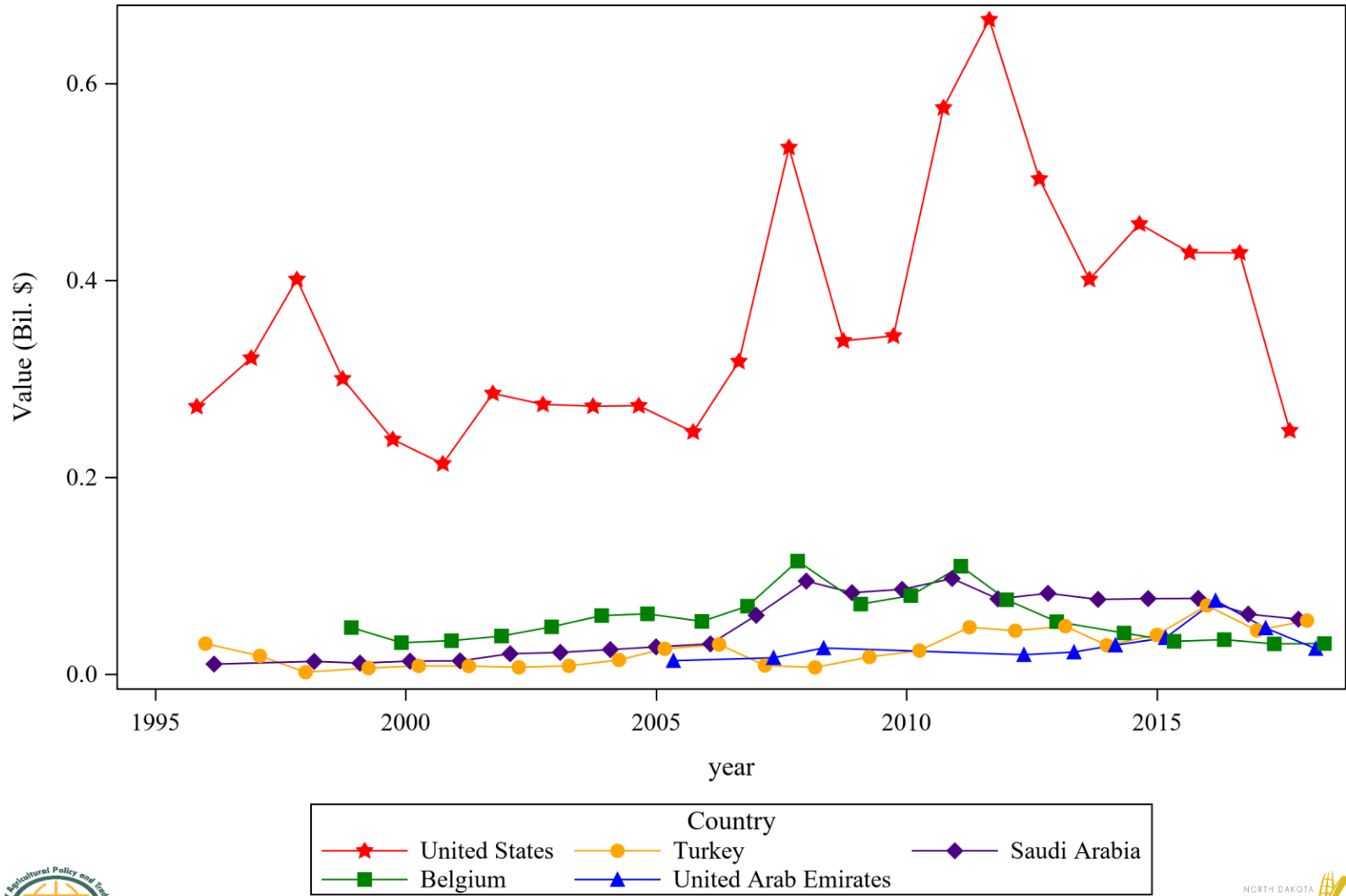
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Table 35: Top 15 Countries Corn Oil (CR) Export Value, Descriptive Statistics for 2014-2018

Country	N	Sum	Mean	Risk	Coefficient of Variation	Share(%)
United States	5	1,962,370,570	392,474,114	83,488,677	21.3	42.0
Saudi Arabia	5	347,313,721	69,462,744	10,098,350	14.5	7.43
Turkey	5	238,729,994	47,745,999	15,323,456	32.1	5.11
United Arab Emirates	5	215,034,600	43,006,920	19,568,770	45.5	4.60
Belgium	5	173,024,957	34,604,991	4,472,317	12.9	3.70
France	5	155,351,304	31,070,261	3,461,567	11.1	3.33
Spain	5	152,163,651	30,432,730	26,620,551	87.5	3.26
Hungary	5	129,337,355	25,867,471	3,406,534	13.2	2.77
Tunisia	4	107,795,056	26,948,764	13,900,201	51.6	2.31
Italy	5	104,792,752	20,958,550	4,158,320	19.8	2.24
Korea, South	5	101,820,905	20,364,181	6,458,360	31.7	2.18
Oman	4	98,282,284	24,570,571	9,617,156	39.1	2.10
Argentina	5	92,996,051	18,599,210	9,542,181	51.3	1.99
Brazil	5	90,707,193	18,141,439	10,892,970	60.0	1.94
Malaysia	5	88,338,416	17,667,683	5,783,460	32.7	1.89

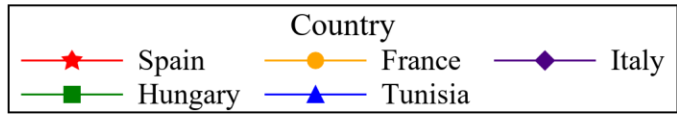
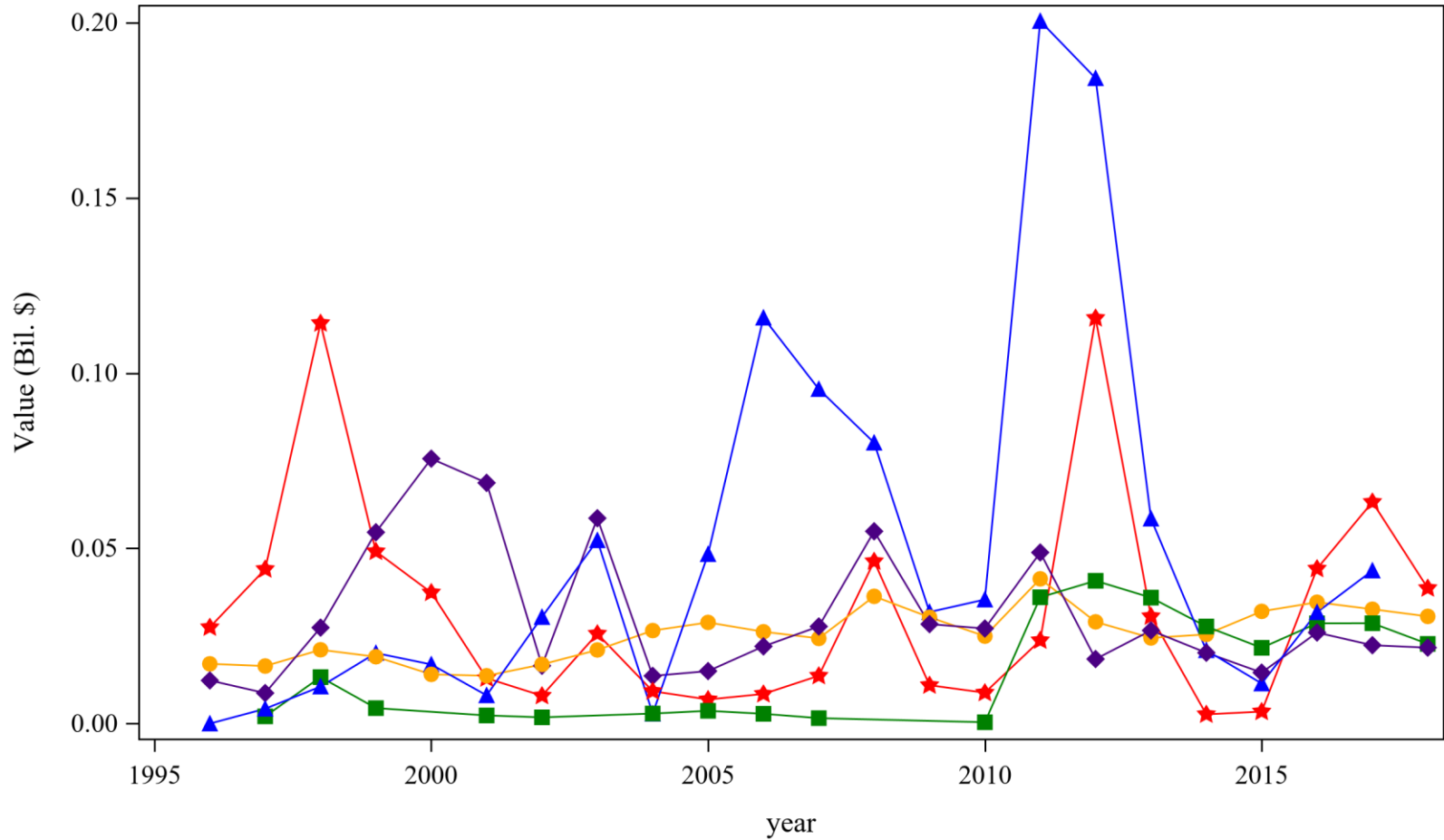
Figure 46: Top 5 Countries Corn Oil (CR) Export Value, Annual Trends



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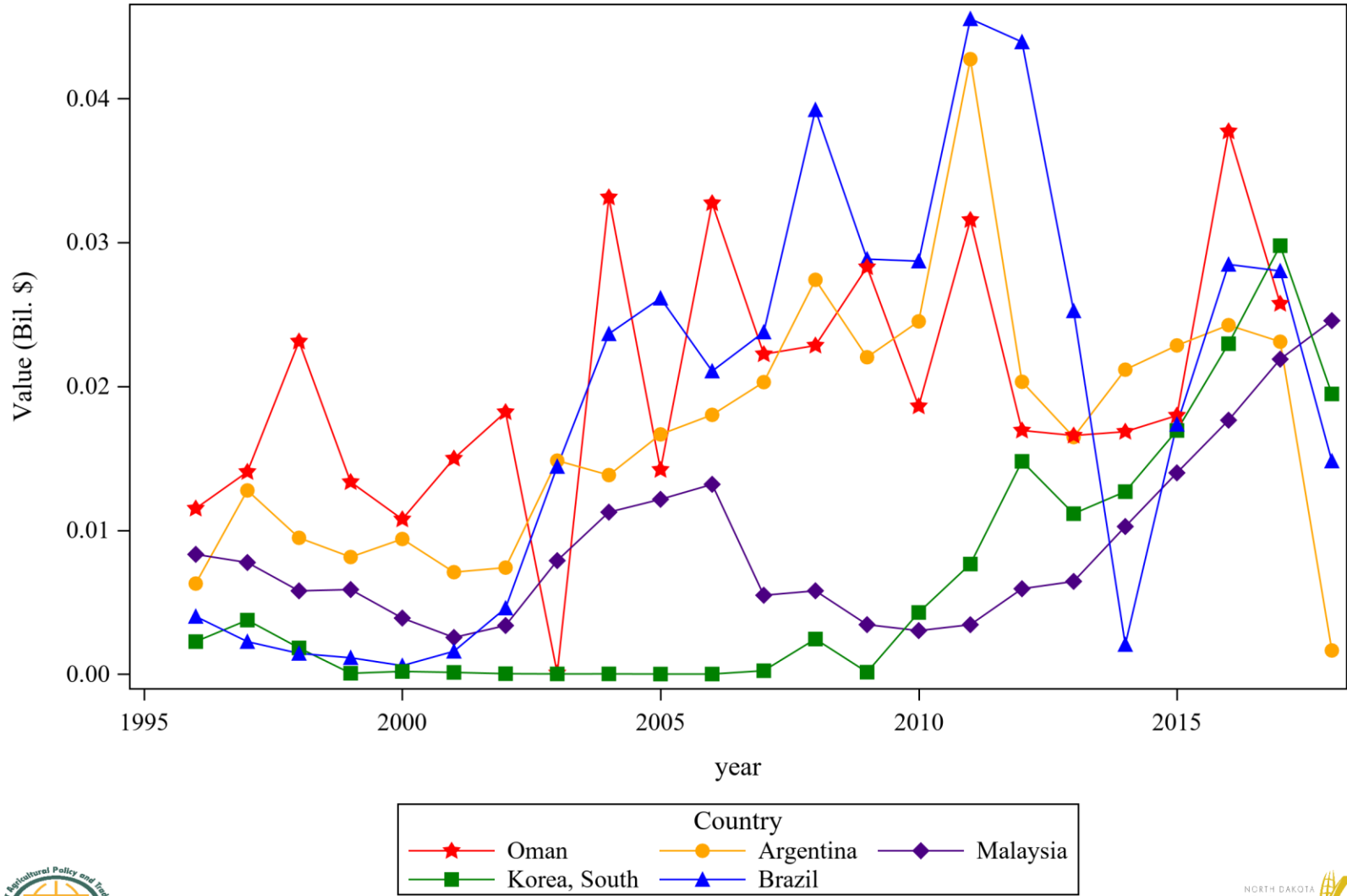
Figure 47: Top 6 to 10 Countries Corn Oil (CR) Export Value, Annual Trends



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Figure 48: Top 11 to 15 Countries Corn Oil (CR) Export Value, Annual Trends



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Table 36: Top 15 Countries Corn Oil (CR) Export Value, Annual Trends

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018
United States	343,680,871	575,367,944	664,927,381	503,203,906	401,029,848	457,435,121	428,352,455	428,102,113	247,451,033
Saudi Arabia	86,273,706	97,352,121	76,620,362	82,285,966	76,111,803	76,917,139	77,103,395	61,173,917	56,007,467
Turkey	24,176,234	47,830,724	44,301,642	48,871,768	29,538,078	40,074,273	69,915,637	44,577,331	54,624,675
United Arab Emirates	.	.	19,940,148	22,622,573	29,706,583	37,141,887	74,940,205	47,092,083	26,153,842
Belgium	79,961,242	109,803,722	75,745,113	53,512,299	41,971,454	33,525,904	35,258,364	30,956,576	31,312,659
France	24,964,291	41,310,684	29,037,220	24,450,394	25,449,602	32,032,112	34,639,561	32,634,673	30,595,356
Spain	8,808,165	23,751,815	115,735,245	30,613,795	2,643,269	3,427,535	44,209,871	63,230,756	38,652,220
Hungary	388,000	36,047,000	40,757,648	35,955,348	27,710,755	21,625,092	28,616,070	28,642,850	22,742,588
Tunisia	35,400,759	200,493,027	184,185,889	58,490,678	20,919,468	11,438,609	31,770,572	43,666,407	.
Italy	27,137,984	48,827,594	18,420,745	26,570,185	20,216,833	14,560,828	25,978,298	22,365,592	21,671,201
Korea, South	4,284,581	7,649,807	14,787,410	11,150,185	12,682,754	16,933,567	22,962,777	29,772,415	19,469,392
Oman	18,616,306	31,562,514	16,933,969	16,583,270	16,848,660	17,970,637	37,719,999	25,742,988	.
Argentina	24,513,419	42,736,696	20,315,645	16,473,703	21,158,079	22,840,494	24,251,692	23,101,172	1,644,614
Brazil	28,698,379	45,537,745	43,929,676	25,242,050	2,058,506	17,355,566	28,471,056	28,016,613	14,805,452
Malaysia	3,023,313	3,435,553	5,934,120	6,443,104	10,255,546	13,988,974	17,646,375	21,885,755	24,561,766

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