U.S. TRADE WITH U.S. TERRITORIES DASHBOARD

Economic Indicators Division U.S. Census Bureau

Tea Muslic — Supervisory Statistician



INTRODUCTION & BACKGROUND

- U.S. Trade with U.S. Territories Data
- Data collected monthly (January 2010 Present)
- Important fields: Year, month, commodity, district, territory, quantity, value

indicator	commodity	comm_desc	cty_code	cty_desc	□ dist □	dist_name	unit_qy1
E	101100000	HORSES AND ASSES, PUREBRED BREEDING, LIVE	9030	PUERTO RICO	18	TAMPA, FLORIDA	NO
E	102900000	BOVINES, LIVE, NESOI	9030	PUERTO RICO	18	TAMPA, FLORIDA	NO
E	105110010	CHICKENS, LT=185 G, BREEDING STOCK, EGG-TYPE, LIVE	9030	PUERTO RICO	18	TAMPA, FLORIDA	NO
E	105110020	CHICKEN, LT=185 G, BREEDING STOCK, MEAT-TYPE, LIVE	9030	PUERTO RICO	52	MIAMI, FLORDIA	NO
E	105940000	CHICKENS, EACH WEIGHING 185 G OR MORE, LIVE	9030	PUERTO RICO	15	WILMINGTON, N. CAROLINA	NO
E	105940000	CHICKENS, EACH WEIGHING 185 G OR MORE, LIVE	9030	PUERTO RICO	18	TAMPA, FLORIDA	NO
E	106900000	ANIMALS, LIVE, NESOI	9030	PUERTO RICO	18	TAMPA, FLORIDA	х
E	201100010	CARCASSES/HALF-CARCASSES OF VEAL, FRESH OR CHILLED	9030	PUERTO RICO	10	NEW YORK CITY, NEW YORK	KG





OBJECTIVE

- Data currently published yearly and purchasable monthly
- Not currently accessible in a dynamic format
- Wanted to publish this data and make it interactive for all potential users, free of charge

Shipments from the United States to Puerto Rico by So	chedule B Commodity and Method of Transportation
---	--

Calendar Venr 202

(See the explanation of statistics for information on coverage, definition of F.A.S. Export value, and sources of error in the data)

	-	Unit of Quantity	All Methods of Transportation		Vessel		Air	
Schedule B	Commodity Description		Net Quantity	Value (Thousands)	Shipping Weight (1000 KG)	Value (Thousands)	Shipping Weight (1000 KG)	Value (Thousands)
0305610000	HERRINGS, SALTED NOT DRIED OR SMOKED; IN BRINE	KG	1,247	7	1	7	0	0
0305620000	COD, SALTED BUT NOT DRIED OR SMOKED; IN BRINE	KG	274,882	998	302	998	0	0
0305690002	FISH NESOLSALTED NOT DRIED OR SMOKED; IN BRINE	KG	11,751	80	12	80	0	0
0306110010	CARIBBEAN SPINY LOBSTER (PANULIRUS ARGUS), FROZEN	KG	4,631	259	5	259	0	0
0306110020	ROCK LOBSTER AND OTHER SEA CRAWFISH, FROZEN, NESOI	KG	60	5		5	0	0
0306120000	LOBSTERS, INCLUDING IN SHELL, FROZEN	KG	111,820	3,072	117	3,067	-	5
0306142000	CRABMEAT, FROZEN	KG	94,235	1,683	101	1,683	0	0
0306144010	KING CRABS, FROZEN, EXCEPT CRABMEAT	KG	23,574	446	27	446	0	
0306144020	SNOW CRABS, FROZEN, EXCEPT CRABMEAT	KG	1,992	49	2	49	0	0
0306144030	DUNGENESS CRABS, FROZEN, EXCEPT CRABMEAT	KG	953	27	1	27	0	
0306144090	CRABS, FROZEN, EXCEPT CRABMEAT, NESOI	KG	5,890	117	6	117	0	0
0306160003	COLD-WATR SHRIMP/PRAWN FZ SHELL LT 33/KG STAT NT 1	KG	7,333	122	9	122	0	0
0306160006	COLD-WATR SHRIMP/PRAWN FZ SHELL 33-45/KG STAT NT 1	KG	11,603	170	14	170	0	0
0306160009	COLD-WATR SHRIMP/PRAWN FZ SHELL 46-55/KG STAT NT 1	KG	3,878	49	5	49	0	0
0306160012	COLD-WATR SHRIMP/PRAWN FZ SHELL 56-66/KG STAT NT 1	KG	2,286	24	3	24	0	0
0306160015	COLD-WATR SHRIMP/PRAWN FZ SHELL 67-88/KG STAT NT 1	KG	5,774	68	6	68	0	0
0306160018	COLD-WTR SHRIMP/PRAWN FZ SHELL 89-110/KG STAT NT 1	KG	10,050	94	10	94	0	0
0306160024	COLD-WTR SHRIMP/PRAWN FZ SHELL 133-154/KG STAT N 1	KG	907	10	1	10	0	0
0306160040	COLD-WATER SHRIMPS, PRAWNS FROZEN PEELED STAT NT 1	KG	153,267	1,329	173	1,329	0	0
0306170003	SHRIMPS & PRAWNS FZ SHELL LT 33 /KG STAT NT 1 NESOI	KG	22,186	423	21	387	3	36
0306170006	SHRIMPS & PRAWNS FZ SHELL 33-45 /KG STAT NT 1 NESOI	KG	86,154	1,061	88	1,061	0	0
0306170009	SHRIMPS & PRAWNS FZ SHELL 46-55 /KG STAT NT 1 NESOI	KG	22,965	274	25	274	0	0
0306170012	SHRIMPS & PRAWNS FZ SHELL 56-66 /KG STAT NT 1 NESOI	KG	24,912	262	26	262	0	0
0306170015	SHRIMPS & PRAWNS FZ SHELL 67-88 /KG STAT NT 1 NESOI	KG	28,976	253	31	253	0	0
0306170018	SHRIMPS, PRAWNS FZ SHELL 89-110 /KG STAT NT 1 NESOI	KG	26,340	268	27	268	0	0
0306170021	SHRIMPS/PRAWNS FZ SHELL 111-132 /KG STAT NT 1 NESOI	KG	1,179	10	1	10	0	0
0306170040	SHRIMPS & PRAWNS, FROZEN PEELED STAT NOTE I, NESOI	KG	477,354	5,633	492	5,633	0	0
0306190110	FRESHWATER CRAWFISH, FROZEN	KG	1,542	9	2	9	0	0





PROJECT DETAILS & PROCESS

I began by cleaning the data using R, focusing on standardizing codes and descriptions, filling in missing data.

I then took the cleaned data and integrated it into a Tableau interface, beginning with a basic chart.

Finally, I went through several rounds of feedback and added filters, aggregations, and visualizations.









PROJECT CHALLENGES

I began by cleaning the data using R, focusing on standardizing codes and descriptions, filling in missing data.

The data had never previously been cleaned, and the size of the dataset led to very long runtimes.

I then took the cleaned data and integrated it into a Tableau interface, beginning with a basic chart.

I don't have any previous Tableau experience, so I dealt with a learning curve in this.

Finally, I went through several rounds of feedback and added filters, aggregations, and visualizations.





To search for export commodity codes, visit Schedule B

To search for import commodity codes, visit the Harmonized Tariff Schedule

District Aggregate

Territory Aggregate

Commodity Aggregate

District and Territory Aggregate

Visualization

U.S. Trade with U.S. Territories Data

Indicator	Year	District Name	U.S. Territory	Commodity Code	Commodity Description	Units of Measure	Value (\$US) Quantity	Indicator ● All Shipments To (E)
E	2023	3 ANCHORAGE, AK	PUERTO RICO	3306900000	PREPARATIONS FOR ORAL/DENTAL HYG	KG	2,614	Shipments From (I) Year
				3923500000	STOPPERS,LIDS, CAPS,& OTHER CLO	KG	3,180	District Name
				1821904000	PAPER/PPRBRD LABELS, UNPRINTE	KG	86,000	Territory Name
				4901100000	PRINTED BOOKS/ BROCHURES/LEAFL	KG	3,348	PUERTO RICO +
				7020009000	OTHER ARTICLES OF GLASS, NESOI	NO	332,492	Commodity Code (AI)
				8414100000	VACUUM PUMPS	NO	27,436	Time Frame Monthly
				8/19909550	DADTO E 11011 OF	KG <		Yearly







Source: Economic Indicators Division All monetary trade figures are in U.S. dollars on a nominal basis.



Any opinions and conclusions expressed herein are those of the author(s) and do not reflect the views of the U.S. Census Bureau.

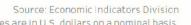
To search for export commodity codes, visit Schedule B To search for import commodity codes, visit the Harmonized Tariff Schedule Default **District Aggregate Territory Aggregate Commodity Aggregate** Visualization District and Territory Aggregate Indicator Total Air Valu Commodity Units of **Total Value** All Commodity Description Total Quantity Indicator Code Measure (\$US) O Shipments To (E) O Shipments From (I) PNEUMATIC, HAND-HELD FORCE E 2023 845/195030 2,507 29 NO FEED LUBRICATING EQUIP Year 2023 IOD DES AND IODIDE OXIDES OF KG 2827602000 2.508 146 POTASSIUM Commodity Code AROMATIC ALCOHOLS AND THEIR 2,514 2906290000 KG 1 HALO ETC DERIV, NESOT Time Frame PHENYLACETONE KG 2.514 Monthly (PHENYLPROPAN-2-ONE) Yearly KEROSENE MOTOR FUEL EX JET 43 2.535 2710192400 BBI FUEL NT BIODIESEL NESOI AZELAIC ACID, SEBACIC ACID, THEIR KG 2917130000 2,539 1.232 SALTS AND ESTERS M/P CWEATEDS & SIMIL AD ADT DOZ

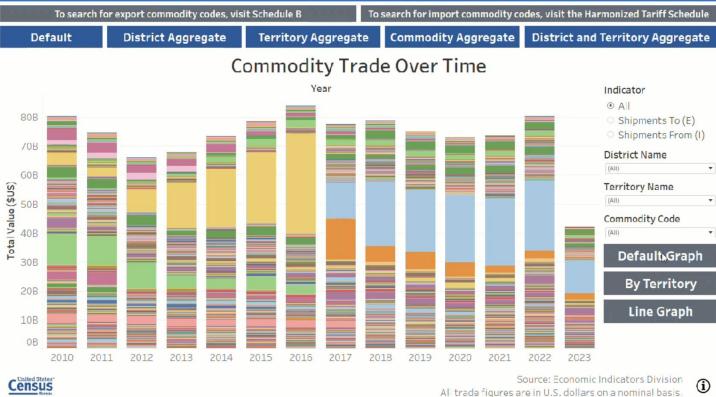






All monetary trade figures are in U.S. dollars on a nominal basis.

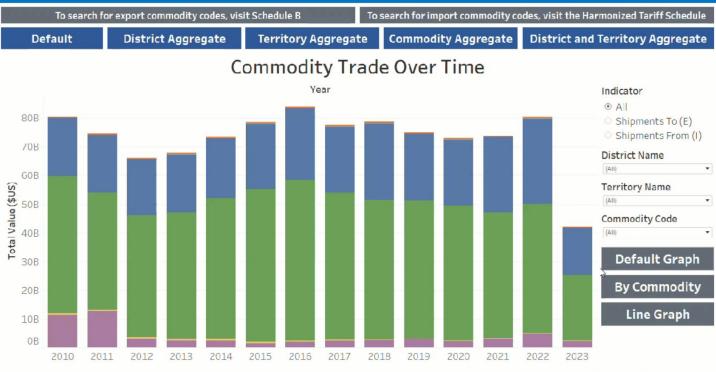








Any opinions and conclusions expressed herein are those of the author(s) and do not reflect the views of the U.S. Census Bureau.





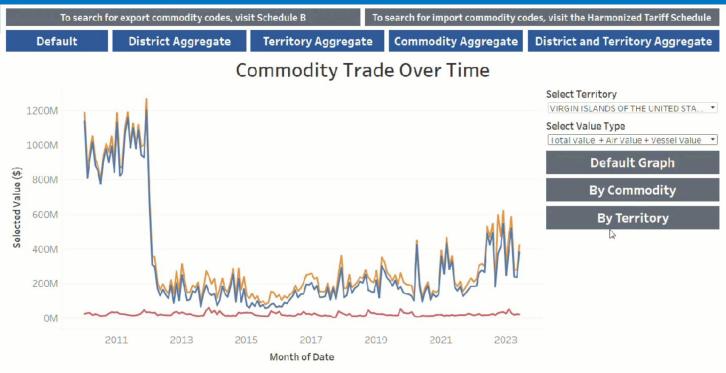


Census

Source: Economic Indicators Division All trade figures are in U.S. dollars on a nominal basis.



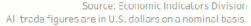
Any opinions and conclusions expressed herein are those of the author(s) and do not reflect the views of the U.S. Census Bureau.



















Any opinions and conclusions expressed herein are those of the author(s) and do not reflect the views of the U.S. Census Bureau.

NEXT STEPS & CONCLUSION

- I have been able to do weekly **code reviews** to prepare for handoff
- Currently going through visualization approval process
- Dashboard needs to be updated monthly
- Aim to get user feedback and make adjustments after product launches

