Overview

Dataset info

Number of variables	16
Number of observations	17967
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	2.2 MiB
Average record size in memory	128.0 B

Variables types

Numeric	4
Categorical	6
Boolean	0
Date	0
URL	0
Text (Unique)	0
Rejected	6
Unsupported	0

Warnings

Amendment_Value is highly skewed ($\gamma_1 = 106.8458639$)	Skewed
Amendment_Value has 16360 (91.1%) zeros	Zeros
Commodity has a high cardinality: 763 distinct values	Warning
Commodity_Rule has constant value "Unknown"	Rejected
Country_of_Origin has a high cardinality: 93 distinct values	Warning
Entities_Rule has constant value "Unknown"	Rejected
Estimated_Trade_Coverage has constant value "Unknown"	Rejected
Exemptions_Rule has constant value "Unknown"	Rejected
Limited_Tendering_Reason has 15984 (89.0%) zeros	Zeros
Limited_Tendering_Rule has constant value "Unknown"	Rejected
Original_Value is highly skewed ($\gamma_1 = 92.12578185$)	Skewed
thresholds has constant value "Unknown"	Rejected

Variables

Amendment_…
Numeric

Distinct count	1535	**Mean**	48576.46849	
Unique (%)	8.5%	**Minimum**	-16522116	
Missing (%)	0.0%	**Maximum**	348650569	
Missing (n)	0	**Zeros (%)**	91.1%	
Infinite (%)	0.0%			
Infinite (n)	0			
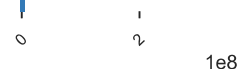
Toggle details

Commodity
Categorical

Distinct count	763
Unique (%)	4.2%
Missing (%)	0.0%
Missing (n)	0

Toggle details

Common values   Composition

Value	Count	Frequency (%)
Liquid Propellants and Fuels, Petrole…	2932	16.3%
Middle Distillate Fuels	1148	6.4%
Drugs and Biologicals	894	5.0%
Passenger Motor Vehicles	802	4.5%
Office Furniture	643	3.6%
Laboratory Equipment and Supplies	596	3.3%
ADP Software	537	3.0%
Automatic Data Processing Equipme…	416	2.3%
Airborne Combat Support Training - …	394	2.2%
Miscellaneous Items	323	1.8%
Other values (753)	9282	51.7%

Commodity_R…	*This variable is constant*	**Constant value**	Unknown
~~Constant~~	*and should be ignored*		
	for analysis		

Commodity_T…	**Distinct count**	3		Goods	14491
Categorical				Services	2622
	Unique (%)	< 0.1%		Construction	854
	Missing (%)	0.0%			
	Missing (n)	0			

Toggle details

Country_of_O…	**Distinct count**	93
Categorical		
	Unique (%)	0.5%
	Missing (%)	0.0%
	Missing (n)	0

Toggle details

Common values   Composition

Value	Count	Frequency (%)
CA	16062	89.4%
US	725	4.0%
GB	225	1.3%
DE	175	1.0%
SN	125	0.7%
RO	48	0.3%
FR	42	0.2%
CZ	31	0.2%
NO	31	0.2%
IT	27	0.2%
Other values (83)	476	2.6%

Entities_Rule
~~Constant~~

This variable is constant and should be ignored for analysis

Constant value   Unknown

Entity
Categorical

Distinct count	44
Unique (%)	0.2%
Missing (%)	0.0%
Missing (n)	0

Toggle details

Common values   Composition

Value	Count	Frequency (%)
DND	11736	65.3%
CSC	2850	15.9%
HC	604	3.4%
DFO	533	3.0%
PHAC	488	2.7%
GAC	337	1.9%
CBSA	250	1.4%
TC	238	1.3%
PCO	102	0.6%
FIN	73	0.4%
Other values (34)	756	4.2%

Estimated_Tra…
~~Constant~~
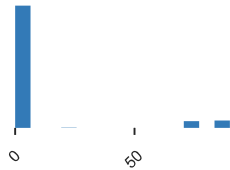
This variable is constant and should be ignored for analysis

Constant value   Unknown

Exemption
Categorical

Distinct count	4		0	17962
Unique (%)	< 0.1%		6 2	
Missing (%)	0.0%		4 2	
Missing (n)	0			

Toggle details

Exemptions_R…
Constant

This variable is constant and should be ignored for analysis

Constant value   Unknown

Limited_Tende…
Numeric

Distinct count	14	**Mean**	8.07959036	
Unique (%)	0.1%	**Minimum**	0	
Missing (%)	0.0%	**Maximum**	90	
Missing (n)	0	**Zeros (%)**	89.0%	
Infinite (%)	0.0%			
Infinite (n)	0			

Toggle details

Limited_Tende…
Constant

This variable is constant and should be ignored for analysis

Constant value   Unknown

Original_Value
Numeric

Distinct count	15546	**Mean**	448989.2629	
Unique (%)	86.5%	**Minimum**	18975	
Missing (%)	0.0%	**Maximum**	1772776794	
Missing (n)	0	**Zeros (%)**	0.0%	
Infinite (%)	0.0%			
Infinite (n)	0			

Toggle details

Statistics   Histogram   Common values   Extreme values

Quantile statistics

Minimum	18975

Descriptive statistics

5-th percentile	20319.466		**Standard deviation**	15815342.83
Q1	25900.015		**Coef of variation**	35.22432303
Median	51251.2		**Kurtosis**	9512.576808
Q3	127730.37		**Mean**	448989.2629
95-th percentile	753874.508		**MAD**	676074.3307
Maximum	1772776794		**Skewness**	92.12578185
Range	1772757819		**Sum**	8066990087
Interquartile range	101830.355		**Variance**	2.501250689e+14
			Memory size	140.5 KiB

~~thresholds~~ ~~Constant~~	*This variable is constant and should be ignored for analysis*	**Constant value**	Unknown

Unnamed_0 Numeric	**Distinct count**	17967	**Mean**	31105.85707 2	
	Unique (%)	100.0%	**Minimum**	2	
	Missing (%)	0.0%	**Maximum**	62228	
			Zeros (%)	0.0%	
	Missing (n)	0			
	Infinite (%)	0.0%			
	Infinite (n)	0			
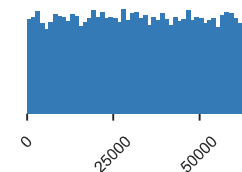
Toggle details

Year Categorical	**Distinct count**	3	2018	9668
			2017	6021
	Unique (%)	< 0.1%	2019	2278
	Missing (%)	0.0%		
	Missing (n)	0		

Toggle details

Correlations

Pearson's r	Spearman's ρ	Kendall's τ	Phik (φ_k)	Cramér's V (φ_c)	Recoded

Missing values
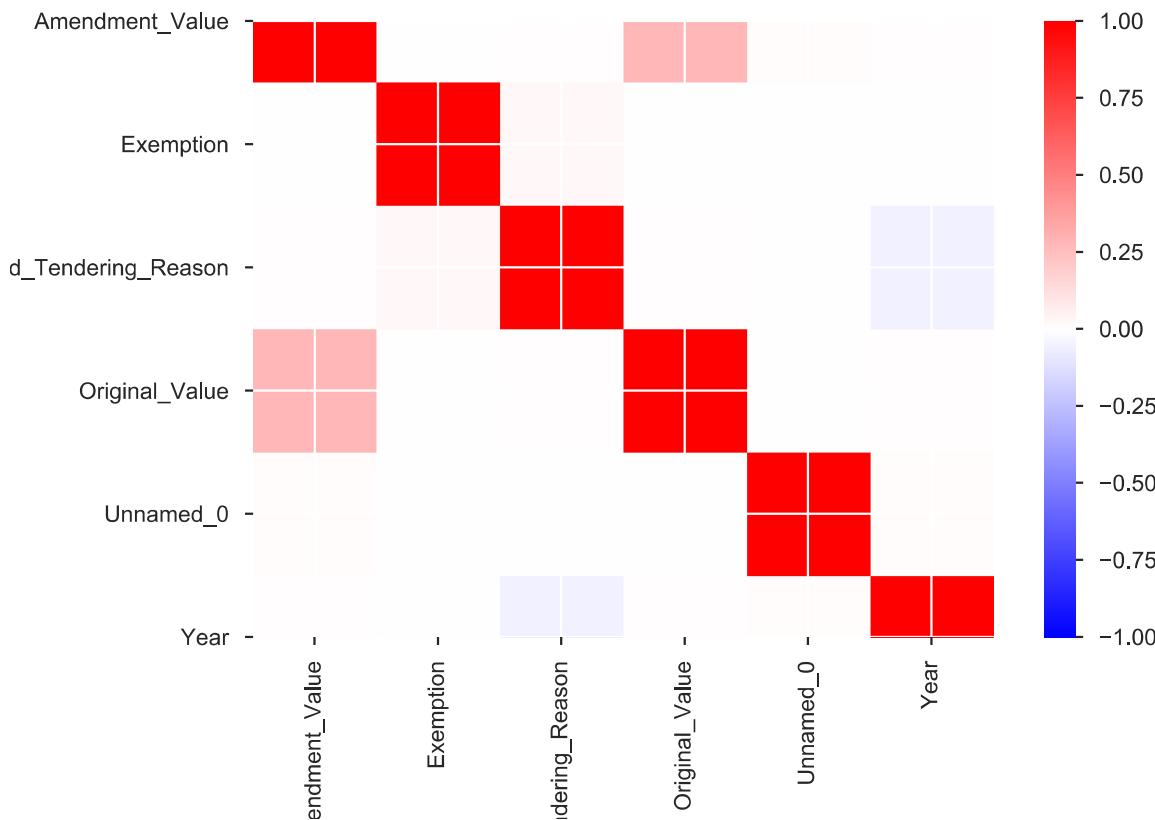
Count	Matrix
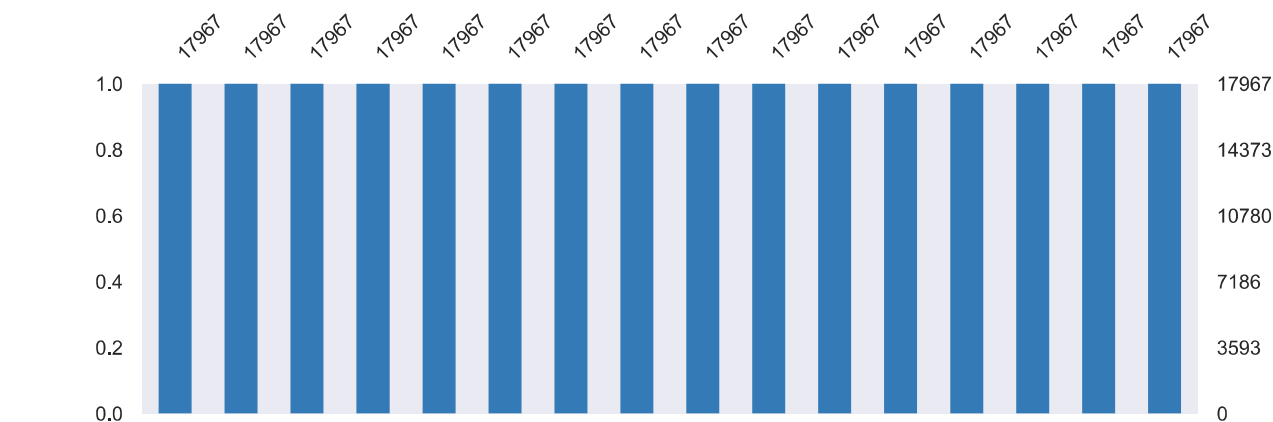
Amendment_Value Commodity Commodity_Rule Commodity_Type Country_of_Origin Entities_Rule Entity Estimated_Trade_Coverage Exemption Exemptions_Rule Limited_Tendering_Reason Limited_Tendering_Rule Original_Value thresholds Unnamed_0 Year

Sample

First rows

	Amendment_Value	Commodity	Commodity_
0	0.0	Construction Services, Not Elsewhere Specified	Unknown
1	0.0	Liquid Propellants and Fuels, Petroleum Base	Unknown
2	0.0	Airborne Combat Support Training - Fighter and Trainer Aircraft only	Unknown
3	0.0	Liquid Propellants and Fuels, Petroleum Base	Unknown
4	-196881.0	Multimedia Services	Unknown
5	0.0	Communications Security Equipment and Components	Unknown
6	0.0	Video Recording and Reproduction Equipment	Unknown
7	0.0	Drugs and Biologicals	Unknown
8	0.0	ADP Software	Unknown
9	0.0	Liquid Propellants and Fuels, Petroleum Base	Unknown

Last rows

	Amendment_Value	Commodity	Comm
17957	0.0	Bakery Products	Unknov

	Amendment_Value	Commodity	Comm
17958	0.0	Building/Installation Special Trade Services, Not Elsewhere Specified	Unknov
17959	0.0	Miscellaneous Items	Unknov
17960	0.0	Vehicular Components, Miscellaneous	Unknov
17961	0.0	Vessels, Miscellaneous	Unknov
17962	14012.6	Engineering Works, Not Elsewhere Specified	Unknov
17963	0.0	Water Plumbing and Drain Laying Work	Unknov
17964	0.0	Laboratory Equipment and Supplies	Unknov
17965	0.0	Liquid Propellants and Fuels, Petroleum Base	Unknov
17966	0.0	Valves, Nonpowered	Unknov

Report generated with pandas-profiling (https://github.com/pandas-profiling/pandas-profiling).