Overview

Dataset info

Number of variables	15
Number of observations	1412
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	165.6 KiB
Average record size in memory	120.1 B

Variables types

Numeric	4
Categorical	8
Boolean	2
Date	0
URL	0
Text (Unique)	0
Rejected	1
Unsupported	0

Warnings

Amendment_Value is highly skewed (γ_1 = 22.97762471)	**Skewed**
Amendment_Value has 814 (57.6%) zeros	**Zeros**
Commodity has a high cardinality: 232 distinct values	**Warning**
Estimated_Trade_Coverage has constant value "No"	**Rejected**
Limited_Tendering_Reason has 1183 (83.8%) zeros	**Zeros**
Original_Value has 77 (5.5%) zeros	**Zeros**

Variables

Amendment_... Numeric	**Distinct count**	573	**Mean**	243950.8926
	Unique (%)	40.6%	**Minimum**	-3000000
	Missing (%)	0.0%	**Maximum**	88491325.04
	Missing (n)	0	**Zeros (%)**	57.6%

Infinite (%)	0.0%
Infinite (n)	0

Toggle details

Statistics	Histogram	Common values	Extreme values

Quantile statistics

Minimum	-3000000
5-th percentile	0
Q1	0
Median	0
Q3	30866.01
95-th percentile	528335.2225
Maximum	88491325.04
Range	91491325.04
Interquartile range	30866.01

Descriptive statistics

Standard deviation	2999427.593
Coef of variation	12.29521057
Kurtosis	600.4222127
Mean	243950.8926
MAD	422158.1491
Skewness	22.97762471
Sum	344458660.4
Variance	8.996565884e+12
Memory size	11.2 KiB

Commodity
Categorical

Distinct count	232
Unique (%)	16.4%
Missing (%)	0.0%
Missing (n)	0

Toggle details

Common values	Composition

Value	Count	Frequency (%)
Budget Control Systems	120	8.5%
Services of Individuals - Except Con…	111	7.9%
Buoys - Repair	57	4.0%
Commercial Security Guard and Rel…	54	3.8%
General Office Help	52	3.7%
Information Products	51	3.6%
Language Training Services	49	3.5%
Harassment (Investigative Services)	47	3.3%

Value	Count	Frequency (%)
Pilot Training Services, Aircraft	38	2.7%
Product/Material - Design, Developm…	35	2.5%
Other values (222)	798	56.5%

Commodity_R…
Boolean

Distinct count	2
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0

| No | 1335 |
| Yes | 77 |

Toggle details

Commodity_T…
Categorical

Distinct count	2
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0

| Services | 1377 |
| Goods | 35 |

Toggle details

Country_of_O…
Categorical

Distinct count	17
Unique (%)	1.2%
Missing (%)	0.0%
Missing (n)	0

CA	1328
US	46
HT	7
Other values (14)	31

Toggle details

Entities_Rule
Boolean

Distinct count	2
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0

| Yes | 1318 |
| No | 94 |

Toggle details

Entity
Categorical

Distinct count	47	
Unique (%)	3.3%	
Missing (%)	0.0%	
Missing (n)	0	

Toggle details

Common values   Composition

Value	Count	Frequency (%)
DND	320	22.7%
CSC	261	18.5%
DFO	131	9.3%
CRA	114	8.1%
CBSA	109	7.7%
GAC	75	5.3%
CEO	53	3.8%
VAC	44	3.1%
CGC	26	1.8%
FCAC	24	1.7%
Other values (37)	255	18.1%

Estimated_Tra…
Constant

This variable is constant and should be ignored for analysis

Constant value   No

Exemption
Categorical

Distinct count	4	
Unique (%)	0.3%	
Missing (%)	0.0%	
Missing (n)	0	

0	1407
1	3
6	1

Toggle details

Exemptions_R...
Categorical

Distinct count	2	Yes	1407
		Unknown	5
Unique (%)	0.1%		
Missing (%)	0.0%		
Missing (n)	0		

Limited_Tende...
Numeric

Toggle details

Distinct count	9	**Mean**	12.26133144
		Minimum	0
Unique (%)	0.6%	**Maximum**	87
Missing (%)	0.0%	**Zeros (%)**	83.8%
Missing (n)	0		
Infinite (%)	0.0%		
Infinite (n)	0		

Toggle details

Limited_Tende...
Categorical

Distinct count	2	Yes	1183
		Unknown	229
Unique (%)	0.1%		
Missing (%)	0.0%		
Missing (n)	0		

Toggle details

Original_Value
Numeric

Distinct count	1059	**Mean**	1307923.646
		Minimum	0
Unique (%)	75.0%	**Maximum**	270659325
Missing (%)	0.0%	**Zeros (%)**	5.5%
Missing (n)	0		
Infinite (%)	0.0%		
Infinite (n)	0		

Toggle details

Unnamed_0
Numeric

Distinct count	1412	**Mean**	30822.78612
Unique (%)	100.0%	**Minimum**	48
		Maximum	62224
Missing (%)	0.0%	**Zeros (%)**	0.0%
Missing (n)	0		
Infinite (%)	0.0%		
Infinite (n)	0		

			Toggle details

Year	**Distinct count**	3	2018	732
Categorical			2017	478
	Unique (%)	0.2%	2019	202
	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 |
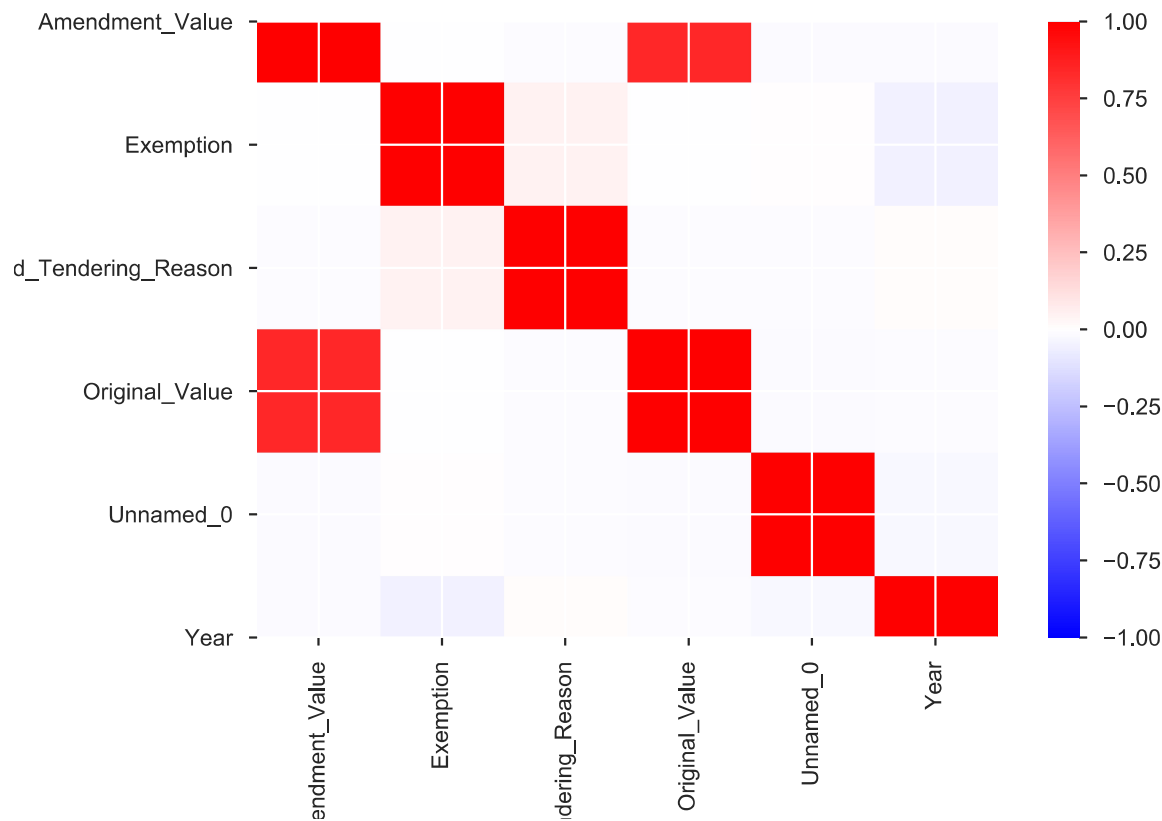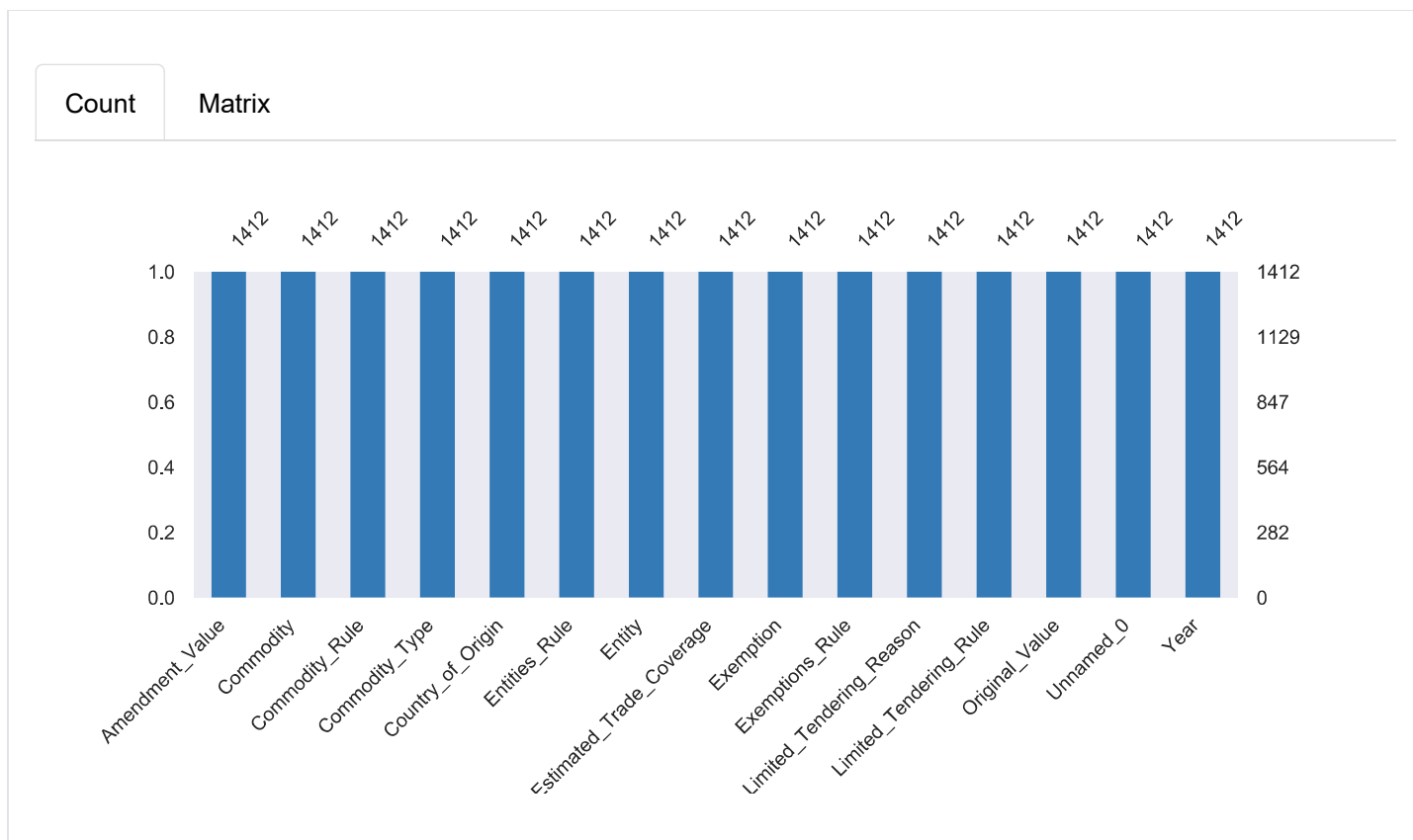
Sample

First rows

	Amendment_Value	Commodity	Commodity_Rule	Commodi
0	154958.99	Legal Services/Litigation/Lawyers	No	Services
1	0.00	Services of Individuals - Except Consultants	No	Services
2	0.00	Strategic Communication Services	No	Services
3	0.00	Freight and Cargo Services	No	Services
4	0.00	Services of Individuals - Except Consultants	No	Services
5	0.00	Audio Visual Production Services	No	Services
6	0.00	Wind Energy Systems (R&D)	No	Services
7	0.00	Social Rehabilitation Services for Prisoners	No	Services

	Amendment_Value	Commodity	Commodity_Rule	Commodi
8	0.00	Health and Safety on Construction Sites	No	Services
9	463123.34	Commercial Security Guard and Related Services	No	Services

Last rows

	Amendment_Value	Commodity	Commodity_Rule	Commodity
1402	0.00	Services Related to Water Transportation	No	Services
1403	194670.47	Consulting Services	Yes	Services
1404	0.00	Office Furniture - Installation	No	Services
1405	6549.48	General Office Help	No	Services
1406	4508139.00	Passenger Motor Vehicles - Repair	No	Services
1407	264352.20	Budget Control Systems	No	Services
1408	8168.00	Services of Individuals - Except Consultants	No	Services
1409	0.00	Radar Technology (R&D)	No	Services
1410	656016.28	Computer Assisted Learning	No	Services
1411	175150.00	Information Products	No	Services

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