

Overview

Dataset info

Number of variables	16
Number of observations	5638
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	704.9 KiB
Average record size in memory	128.0 B

Variables types

Numeric	4
Categorical	11
Boolean	0
Date	0
URL	0
Text (Unique)	0
Rejected	1
Unsupported	0

Warnings

Amendment_Value is highly skewed ($\gamma_1 = 45.56688137$)

Amendment_Value has 3089 (54.8%) zeros

Commodity has a high cardinality: 584 distinct values

Entity has a high cardinality: 53 distinct values

Estimated_Trade_Coverage has constant value "No"

Limited_Tendering_Reason has 4996 (88.6%) zeros

Original_Value is highly skewed ($\gamma_1 = 35.09599741$)

Original_Value has 179 (3.2%) zeros

Skewed

Zeros

Warning

Warning

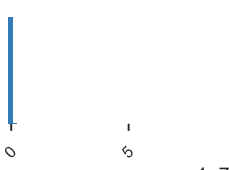
Rejected

Zeros

Skewed

Zeros

Variables

Amendment_... Numeric	Distinct count	2219	Mean	82193.73731
	Unique (%)	39.4%	Minimum	-3000000
	Missing (%)	0.0%	Maximum	88491325.04
	Missing (n)	0	Zeros (%)	54.8%
	Infinite (%)	0.0%		
	Infinite (n)	0		

[Toggle details](#)

Commodity Categorical	Distinct count	584
	Unique (%)	10.4%
	Missing (%)	0.0%
	Missing (n)	0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
Informatics Professional Services	1328	23.6%
PRINTING, DUPLICATING AND BO...	287	5.1%
Services of Individuals - Except Con...	209	3.7%
Commercial Security Guard and Rel...	142	2.5%
Budget Control Systems	135	2.4%
ADP Software	118	2.1%
Consulting Services	100	1.8%
Language Training Services	88	1.6%
Automatic Data Processing Equipme...	85	1.5%
Passenger Motor Vehicles	80	1.4%
Other values (574)	3066	54.4%

Commodity_R... Categorical	Distinct count	3	Yes	3806	Toggle details
	Unique (%)	0.1%	No	1335	
	Missing (%)	0.0%	Unknown	497	
	Missing (n)	0			
Commodity_T... Categorical	Distinct count	3	Services	4326	Toggle details
	Unique (%)	0.1%	Goods	1006	
	Missing (%)	0.0%	Construction	306	
	Missing (n)	0			
Country_of_O... Categorical	Distinct count	31	CA	5438	Toggle details
	Unique (%)	0.5%	US	112	
	Missing (%)	0.0%	GB	14	
	Missing (n)	0	Other values (28)	74	
Entities_Rule Categorical	Distinct count	3	Yes	4852	Toggle details
	Unique (%)	0.1%	Unknown	692	
	Missing (%)	0.0%	No	94	
	Missing (n)	0			
Entity Categorical	Distinct count	53			Toggle details
	Unique (%)	0.9%			
	Missing (%)	0.0%			
	Missing (n)	0			
Common values					
Composition					
Value		Count	Frequency (%)		

Value	Count	Frequency (%)
CSC	1208	21.4%
DND	1083	19.2%
CRA	1077	19.1%
CBSA	618	11.0%
GAC	206	3.7%
VAC	203	3.6%
DFO	200	3.5%
ESDC	144	2.6%
CEO	115	2.0%
ATSSC	112	2.0%
Other values (43)	672	11.9%

Estimated_Tra...
Constant

*This variable is constant
and should be ignored
for analysis*

Constant value No

Exemption
Categorical

**Distinct
count** 4
Unique (%) 0.1%
Missing (%) 0.0%
Missing (n) 0

0 5620
1 12
3 5

[Toggle details](#)

Exemptions_R...
Categorical

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

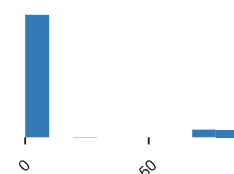
Yes 5620
Unknown 18

Toggle details

Limited_Tende...
Numeric

Distinct count 9
Unique (%) 0.2%
Missing (%) 0.0%
Missing (n) 0
Infinite (%) 0.0%
Infinite (n) 0

Mean 8.642426392
Minimum 0
Maximum 87
Zeros (%) 88.6%



Toggle details

Limited_Tende...
Categorical

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

Yes 4996
Unknown 642

Toggle details

Original_Value
Numeric

Distinct count 3919
Unique (%) 69.5%
Missing (%) 0.0%
Missing (n) 0
Infinite (%) 0.0%
Infinite (n) 0

Mean 383156.6613
Minimum 0
Maximum 270659325
Zeros (%) 3.2%

Toggle details

Statistics

Histogram

Common values

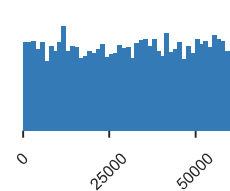
Extreme values

Quantile statistics


Minimum 0
5-th percentile 6260.4415
Q1 17000
Median 43319.385
Q3 115494.665
95-th percentile 380218.12
Maximum 270659325
Range 270659325

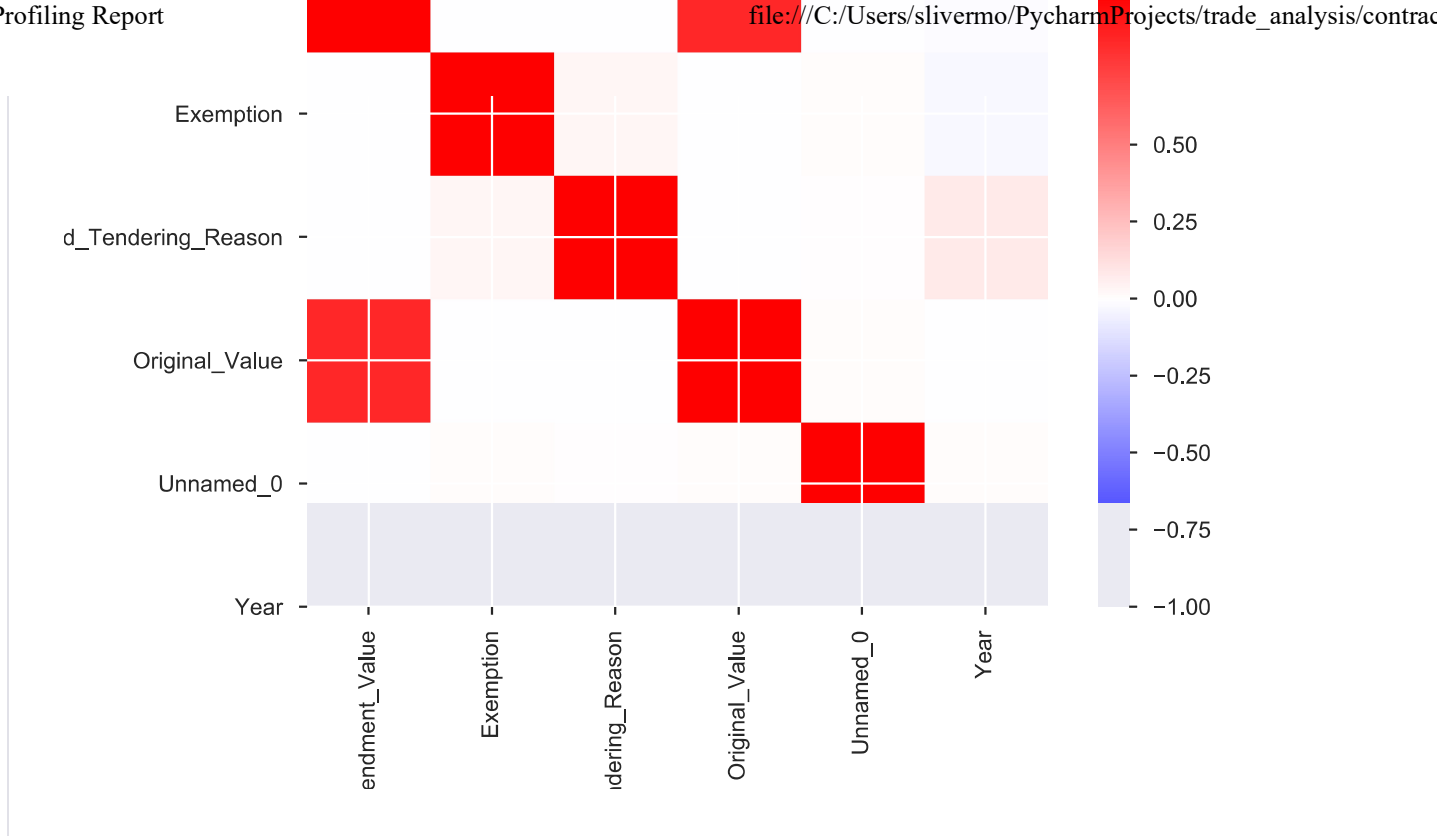
Descriptive statistics

Standard deviation 6837173.477
Coef of variation 17.84432888
Kurtosis 1330.665713
Mean 383156.6613
MAD 603489.753
Skewness 35.09599741
Sum 2160237256
Variance 4.674694116e+13

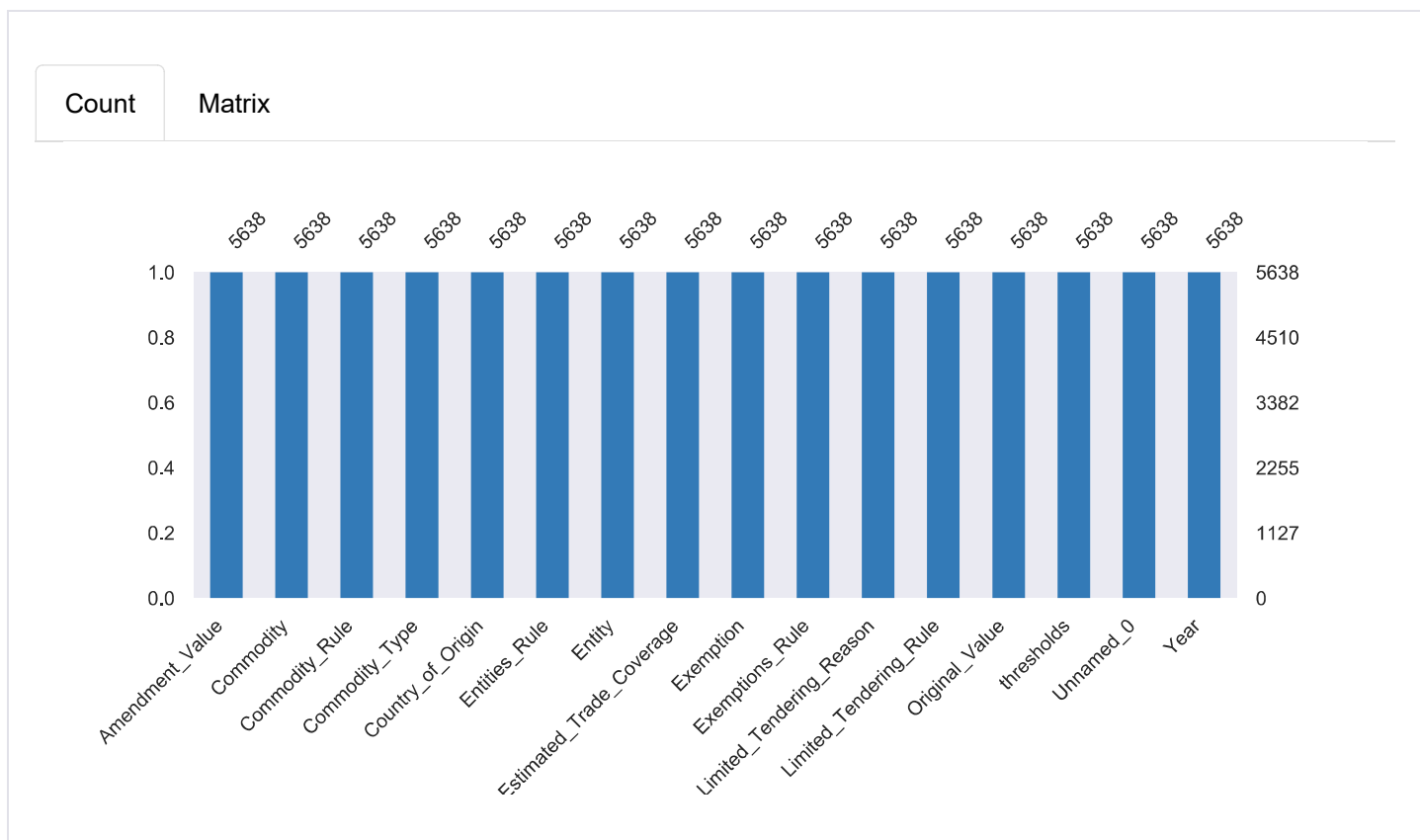
Interquartile range		98494.665	Memory size		44.2 KiB	
thresholds Categorical	Distinct count	3	No	5100		
	Unique (%)	0.1%	Yes	350		
	Missing (%)	0.0%	Unknown	188		
	Missing (n)	0				
	Toggle details					
Unnamed_0 Numeric	Distinct count	5638	Mean	31196.92089		
	Unique (%)	100.0%	Minimum	2		
	Missing (%)	0.0%	Maximum	62224		
	Missing (n)	0	Zeros (%)	0.0%		
	Infinite (%)	0.0%				
	Infinite (n)	0				
	Toggle details					
	Year Categorical	Distinct count	3	2018		2847
Unique (%)		0.1%	2017	2006		
Missing (%)		0.0%	2019	785		
Missing (n)		0				
Toggle details						

Correlations

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



Missing values



Sample

First rows

	Amendment_Value	Commodity	Com
0	4778004.62	Operation and Maintenance Services of a Technical/Scientific Facility	No
1	0.00	Automated News Services	Yes
2	-5139.00	Pulp and Paper Industries Machinery	Yes
3	89907.67	Automatic Data Processing Equipment, System Configuration	Yes
4	9037.74	Heating, Ventilation and Air Conditioning Maintenance & Inspection Services	Unkr
5	20594.25	Snow Plowing and Removal	No
6	0.00	Bakery and Cereal Products (replaced by gsin N8920Z)	Yes
7	0.00	Construction Material, Miscellaneous - Repair	Unkr
8	0.00	Informatics Professional Services	Yes
9	0.00	Budget Control Systems	No

Last rows

	Amendment_Value	Commodity
5628	51236.86	Informatics Professional Services
5629	0.00	ADP COMPONENTS - LEASE
5630	452.00	Informatics Professional Services
5631	0.00	Military (R&D)
5632	0.00	ADPE System Configuration - Installation

	Amendment_Value	Commodity
5633	28250.00	Paper Shredding Service
5634	0.00	Technical Engineering and Maintenance Services (TEMS) (Excludes requiremer
5635	0.00	Office Furniture
5636	13749.84	Media Monitoring Services
5637	0.00	Transportation Services, Not Elsewhere Specified

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