

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

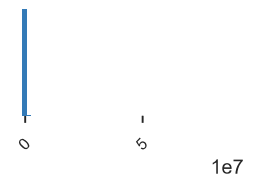
Variables

Amendment_...

Numeric

Distinct count 2219
Unique (%) 39.4%
Missing (%) 0.0%
Missing (n) 0
Infinite (%) 0.0%
Infinite (n) 0

Mean 82193.73731
Minimum -3000000
Maximum 88491325.04
Zeros (%) 54.8%

[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
1 12
3 5

5620

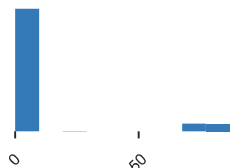
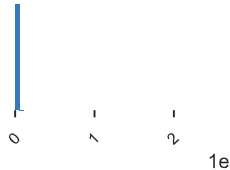
[Toggle details](#)

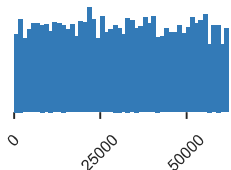
Exemptions_R...
Categorical

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

Yes
Unknown 18

5620

										Toggle details		
Limited_Tende... Numeric	Distinct count	9	Mean	8.642426392								
	Unique (%)	0.2%	Minimum	0								
	Missing (%)	0.0%	Maximum	87								
	Missing (n)	0	Zeros (%)	88.6%								
	Infinite (%)	0.0%										
	Infinite (n)	0										
						Toggle details						
Limited_Tende... Categorical	Distinct count	2			Yes	4996						
		<			Unknown	642						
	Unique (%)	0.1%										
	Missing (%)	0.0%										
		Missing (n)	0									
					Toggle details							
Original_Value Numeric	Distinct count	3919	Mean	383156.6613								
	Unique (%)	69.5%	Minimum	0								
	Missing (%)	0.0%	Maximum	270659325								
	Missing (n)	0	Zeros (%)	3.2%								
	Infinite (%)	0.0%										
	Infinite (n)	0										
						Toggle details						
thresholds Categorical	Distinct count	3			No	5100						
					Yes	350						
	Unique (%)	0.1%			Unknown	188						
	Missing (%)	0.0%										
		Missing (n)	0									
					Toggle details							

Unnamed_0 Numeric	Distinct count	5638	Mean	30963.36946
	Unique (%)	100.0%	Minimum	20
	Missing (%)	0.0%	Maximum	62213
	Missing (n)	0	Zeros (%)	0.0%
	Infinite (%)	0.0%		
	Infinite (n)	0		

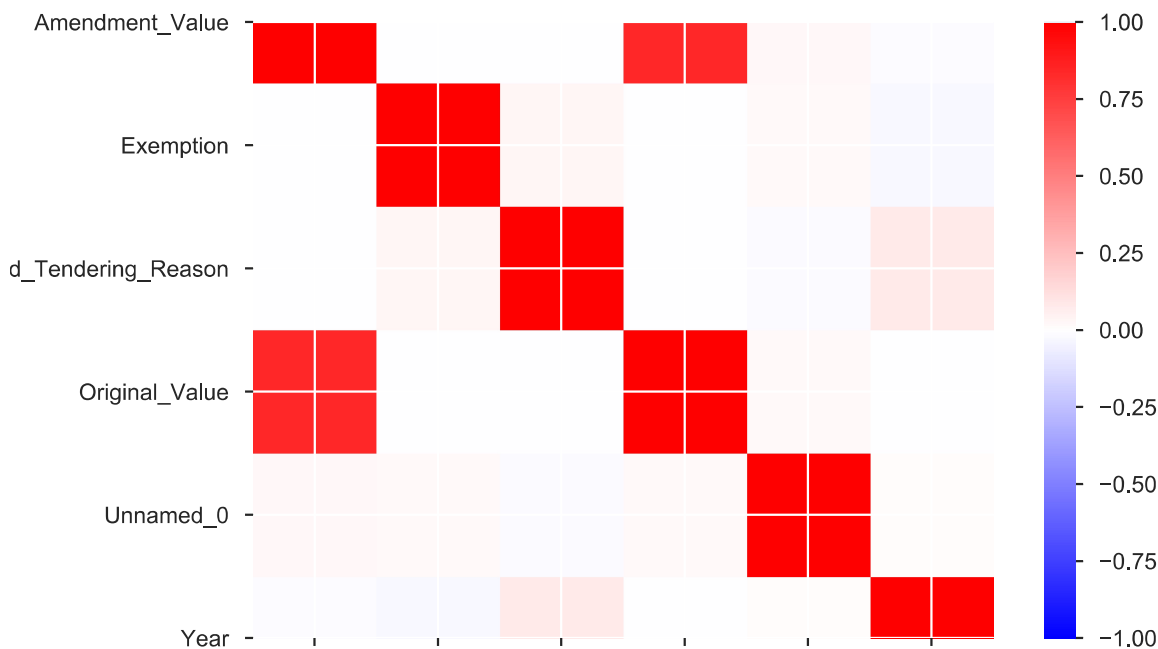
[Toggle details](#)

Year Categorical	Distinct count	3	2018	2847
	Unique (%)	0.1%	2017	2006
	Missing (%)	0.0%	2019	785
	Missing (n)	0		

[Toggle details](#)

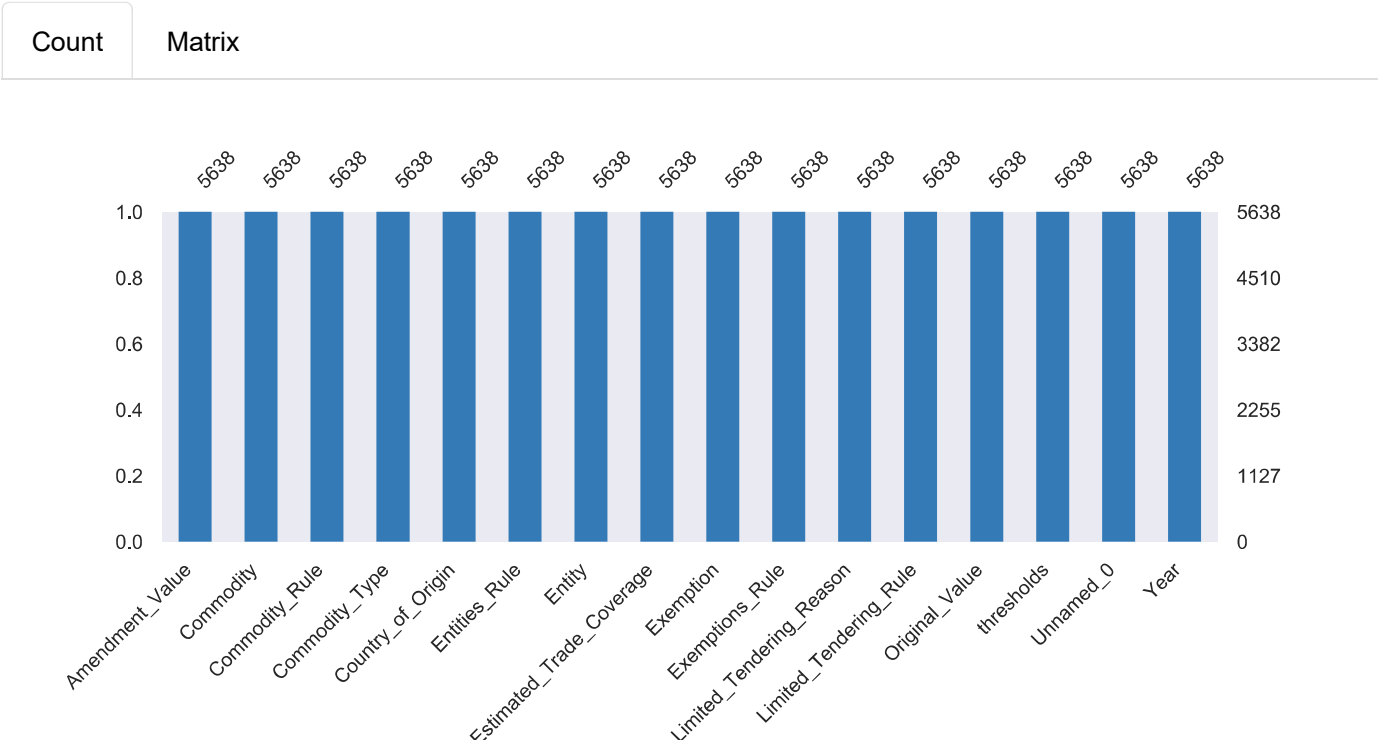
Correlations

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



Amendment_Value
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

Missing values



Sample

First rows

	Amendment_Value	Commodity
0	0.0	Training and Curriculum Development
1	0.0	Power and Hand Pumps

	Amendment_Value	Commodity
2	0.0	Commercial Security Guard and Related Services
3	0.0	ADP Software
4	0.0	Commercial Security Guard and Related Services
5	0.0	Commercial Security Guard and Related Services
6	0.0	TRUCKS AND TRUCK TRACTORS, WHEELED - RENTAL
7	0.0	Maintenance, Repair, Modification, Rebuilding & Installation of Equipment related to
8	37629.0	General Office Help
9	212722.5	Informatics Professional Services

Last rows

	Amendment_Value	Commodity	Cor
5628	0.00	Business Training	No
5629	0.00	Other Engineering Studies	Yes
5630	-28108.18	Informatics Professional Services	Yes
5631	0.00	Cabinets, Lockers, Bins and Shelving	Yes
5632	-76106.69	Informatics Professional Services	Yes
5633	0.00	PRINTING, DUPLICATING AND BOOKBINDING EQUIPMENT, LEASING	Yes
5634	103104.54	Information Products	No
5635	0.00	Refrigeration and Air Conditioning Components - Repair	Yes
5636	0.00	PRINTING, DUPLICATING AND BOOKBINDING EQUIPMENT, LEASING	Yes
5637	43150.04	Informatics Professional Services	Yes

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