

Overview

Dataset info

Number of variables	17
Number of observations	73117
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	9.5 MiB
Average record size in memory	136.0 B

Variables types

Numeric	5
Categorical	12
Boolean	0
Date	0
URL	0
Text (Unique)	0
Rejected	0
Unsupported	0

Warnings

Amendment_Value is highly skewed ($\gamma_1 = 76.80852501$)

Amendment_Value has 72164 (98.7%) zeros

Commodity has a high cardinality: 1480 distinct values

Country_of_Origin has a high cardinality: 130 distinct values

Entity has a high cardinality: 62 distinct values

Exemption is highly skewed ($\gamma_1 = 32.73728275$)

Exemption has 72984 (99.8%) zeros

Limited_Tendering_Reason has 62456 (85.4%) zeros

Original_Value is highly skewed ($\gamma_1 = 119.7400315$)

Skewed

Zeros

Warning

Warning

Warning

Skewed

Zeros

Zeros

Skewed

Variables

Amendment_...

Numeric

Distinct
count

404

Unique (%)

0.6%

Missing (%)

0.0%

Missing (n)

0

Infinite (%)

0.0%

Infinite (n)

0

Mean

3562.029019

Minimum

-186346.6

Maximum

13886345.35

Zeros (%)

98.7%

[Toggle details](#)

Commodity

Categorical

Distinct
count

1480

Unique (%)

2.0%

Missing (%)

0.0%

Missing (n)

0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
Informatics Professional Services	4203	5.7%
Liquid Propellants and Fuels, Petrole...	3968	5.4%
PRINTING, DUPLICATING AND BO...	1849	2.5%
ADP Software	1791	2.4%
Passenger Motor Vehicles	1667	2.3%
Office Furniture	1652	2.3%
Drugs and Biologicals	1576	2.2%
Laboratory Equipment and Supplies	1389	1.9%
Middle Distillate Fuels	1363	1.9%
Automatic Data Processing Equipme...	1258	1.7%
Other values (1470)	52401	71.7%

Commodity_R... Categorical	Distinct count	3	Unknown	43149
			Yes	27449
	Unique (%)	< 0.1%	No	2519
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				
Commodity_T... Categorical	Distinct count	3	Goods	34165
			Services	34148
	Unique (%)	< 0.1%	Construction	4804
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				
Country_of_O... Categorical	Distinct count	130	CA	68047
			US	2348
	Unique (%)	0.2%	GB	466
	Missing (%)	0.0%	Other values (127)	2256
	Missing (n)	0		
Toggle details				
Entities_Rule Categorical	Distinct count	3	Unknown	48938
			Yes	23785
	Unique (%)	< 0.1%	No	394
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				
Entity Categorical	Distinct count	62		
	Unique (%)	0.1%		
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				
Common values				
Composition				

Value	Count	Frequency (%)
DND	38008	52.0%
CSC	13728	18.8%
CBSA	4841	6.6%
DFO	2812	3.8%
HC	1623	2.2%
VAC	1553	2.1%
GAC	1275	1.7%
PHAC	962	1.3%
CEO	871	1.2%
ATSSC	790	1.1%
Other values (52)	6654	9.1%

Estimated_Tra... Categorical	Distinct count	3	Yes	57115
			No	14236
	Unique (%)	< 0.1%	Unknown	1766
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				

Exemption Numeric	Distinct count	6	Mean	0.00388418562
			Minimum	0
	Unique (%)	< 0.1%	Maximum	6
	Missing (%)	0.0%	Zeros (%)	99.8%
	Missing (n)	0		
	Infinite (%)	0.0%		
	Infinite (n)	0		
Toggle details				

Statistics Histogram **Common values** Extreme values

Value	Count	Frequency (%)
0	72984	99.8%
1	64	0.1%
3	58	0.1%
6	4	< 0.1%
4	4	< 0.1%
2	3	< 0.1%

Exemptions_R... Categorical	Distinct count	2	Unknown Yes	44333
	Unique (%)	< 0.1%		28784
	Missing (%)	0.0%		
	Missing (n)	0		
				Toggle details

Limited_Tende... Numeric	Distinct count	16	Mean	11.14215572
			Minimum	0
	Unique (%)	< 0.1%	Maximum	90
	Missing (%)	0.0%	Zeros (%)	85.4%
	Missing (n)	0		
	Infinite (%)	0.0%		
	Infinite (n)	0		
Toggle details				

Statistics Histogram **Common values** Extreme values

Value	Count	Frequency (%)
0	62456	85.4%
85	4245	5.8%
71	3771	5.2%
87	1180	1.6%

Value	Count	Frequency (%)
74	449	0.6%
86	417	0.6%
5	324	0.4%
20	68	0.1%
23	65	0.1%
81	64	0.1%
Other values (6)	78	0.1%

Limited_Tende... Categorical	Distinct count	2	Yes	62456
			Unknown	10661
	Unique (%)	< 0.1%		
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				

Original_Value Numeric	Distinct count	41145	Mean	254959.042
			Minimum	0
	Unique (%)	56.3%	Maximum	620865000
	Missing (%)	0.0%	Zeros (%)	0.1%
	Missing (n)	0		
	Infinite (%)	0.0%		
	Infinite (n)	0		
Toggle details				

Statistics Histogram Common values Extreme values

Quantile statistics

Minimum	0
5-th percentile	10896.25
Q1	16594.5
Median	31289.66
Q3	109163.65

Descriptive statistics

Standard deviation	3363936.249
Coef of variation	13.19402608
Kurtosis	18991.696
Mean	254959.042

95-th percentile 745030.402
Maximum 620865000
Range 620865000
Interquartile range 92569.15

MAD 353625.3227
Skewness 119.7400315
Sum 1.864184027e+10
Variance 1.131606709e+13
Memory size 571.4 KiB

Thresholds_R...
Categorical

Distinct count 3
Unique (%) < 0.1%
Missing (%) 0.0%
Missing (n) 0

Yes 38978
Unknown 21228
No 12911

[Toggle details](#)

Trade_Agree...
Categorical

Distinct count 12
Unique (%) < 0.1%
Missing (%) 0.0%
Missing (n) 0

[Toggle details](#)

Common values

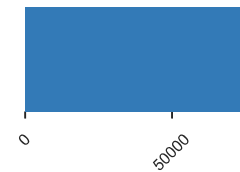
Composition

Value	Count	Frequency (%)
0	44218	60.5%
CFTA	5747	7.9%
NAFTA	3913	5.4%
CKFTA	2824	3.9%
CCFTA	2817	3.9%
CHFTA	2736	3.7%
CCoFTA	2692	3.7%
CPaFTA	2692	3.7%
CPFTA	2582	3.5%

Value	Count	Frequency (%)
WTO-AGP	2441	3.3%
Other values (2)	455	0.6%

Unnamed_0
Numeric

Distinct count	73117	Mean	36558
Unique (%)	100.0%	Minimum	0
Missing (%)	0.0%	Maximum	73116
Missing (n)	0	Zeros (%)	< 0.1%
Infinite (%)	0.0%		
Infinite (n)	0		



[Toggle details](#)

Year
Categorical

Distinct count	3	2018	38422
		2017	25643
Unique (%)	< 0.1%	2019	9052
Missing (%)	0.0%		
Missing (n)	0		

[Toggle details](#)

Correlations

Pearson's r

Spearman's ρ

Kendall's τ

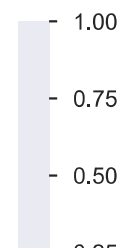
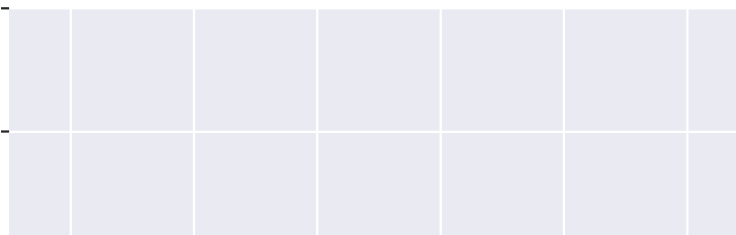
Phik (ϕ_k)

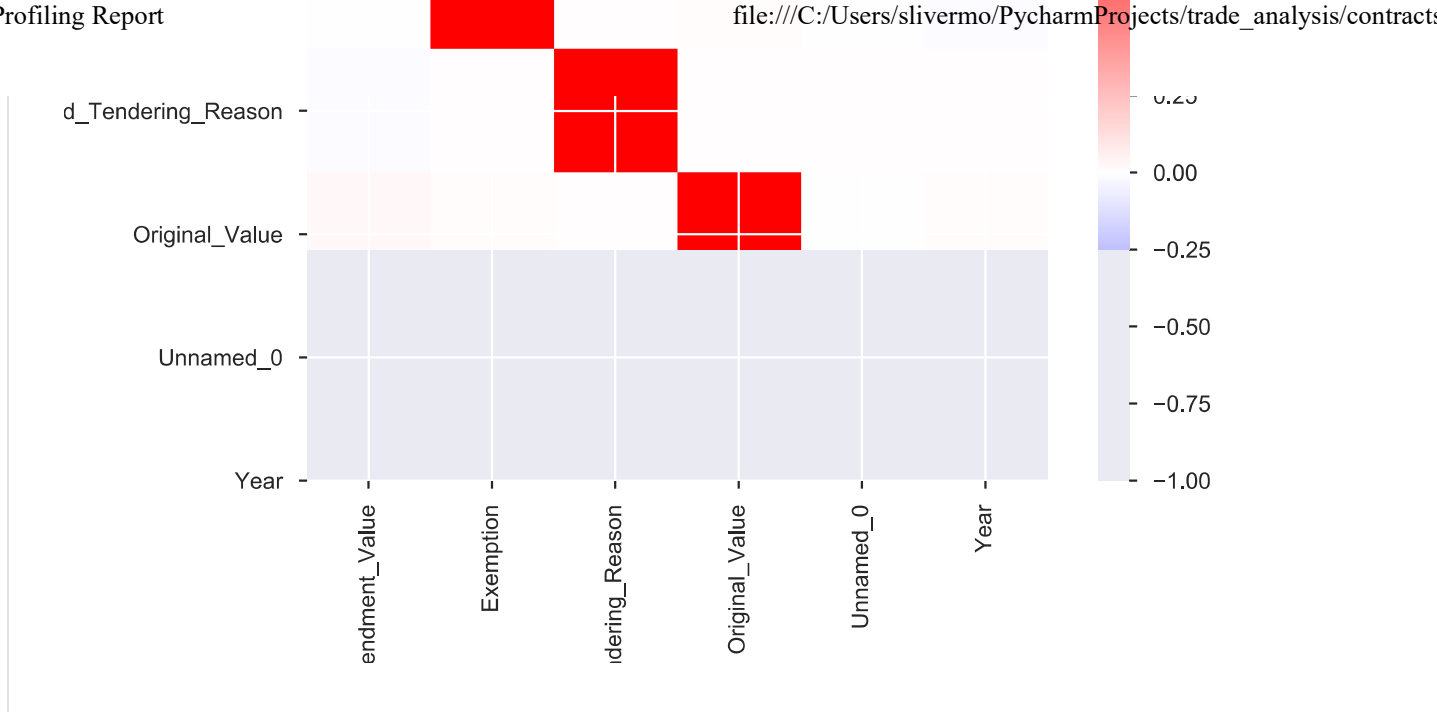
Cramér's V (ϕ_c)

Recorded

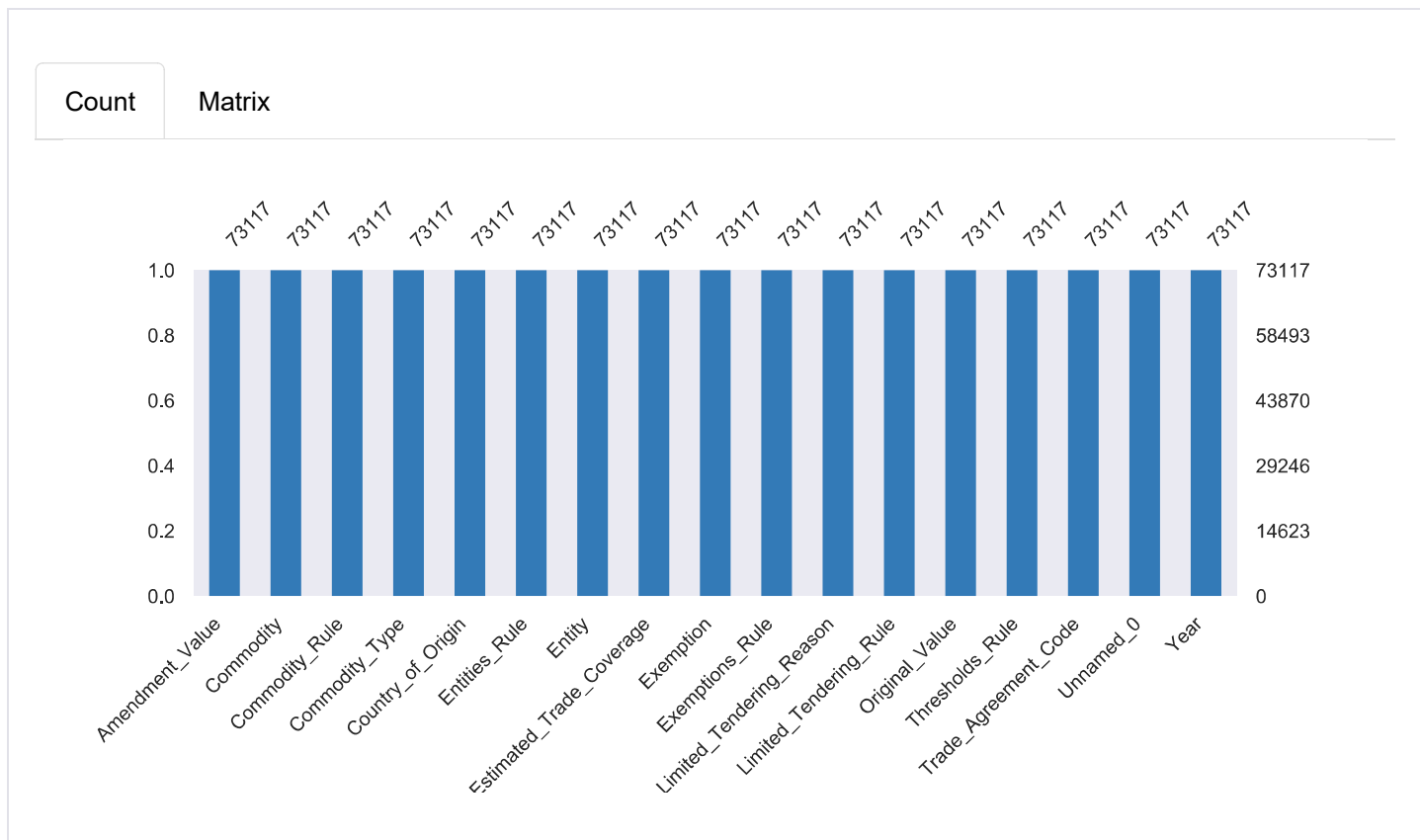
Amendment_Value

Exemption





Missing values



Sample

First rows

	Amendment_Value	Commodity
0	0.0	Passenger Motor Vehicles
1	0.0	Budget Control Systems
2	0.0	Winches, Hoists, Cranes and Derricks
3	0.0	Gas Services
4	0.0	Electric Wire, and Power and Distribution Equipment - Repair
5	0.0	Trucks and Truck Tractors, Wheeled
6	0.0	Mineral Construction Materials, Bulk
7	0.0	Intercommunication and Public Address Systems, except Airborne - Repair and Ove
8	0.0	General Office Help
9	0.0	Laboratory Equipment and Supplies - Repair

Last rows

	Amendment_Value	Commodity
73107	0.0	Signage Design and Installation
73108	0.0	Signage Design and Installation
73109	0.0	Maintenance, Repair, Modification, Rebuilding & Installation of Equipment relat
73110	0.0	Operation, Maintenance and Servicing of Crown Owned or Leased Aircraft
73111	0.0	Vessels, Miscellaneous - Repair
73112	0.0	Wind Energy Systems (R&D)
73113	0.0	Services of Individuals - Except Consultants
73114	0.0	Budget Control Systems

	Amendment_Value	Commodity
73115	0.0	Transportation (R&D)
73116	0.0	Trucks and Truck Tractors, Wheeled - Repair

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