

Overview

Dataset info

Number of variables	16
Number of observations	9242
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	1.1 MiB
Average record size in memory	128.0 B

Variables types

Numeric	5
Categorical	10
Boolean	0
Date	0
URL	0
Text (Unique)	0
Rejected	1
Unsupported	0

Warnings

Amendment_Value is highly skewed ($\gamma_1 = 58.21714909$)

Amendment_Value has 5900 (63.8%) zeros

Commodity has a high cardinality: 793 distinct values

Entity has a high cardinality: 53 distinct values

Estimated_Trade_Coverage has constant value "No"

Exemption has 9188 (99.4%) zeros

Limited_Tendering_Reason has 8053 (87.1%) zeros

Original_Value is highly skewed ($\gamma_1 = 39.10717825$)

Original_Value has 179 (1.9%) zeros

Skewed

Zeros

Warning

Warning

Rejected

Zeros

Zeros

Skewed

Zeros

Variables

Amendment_... Numeric	Distinct count	3024	Mean	44024.14093
	Unique (%)	32.7%	Minimum	-3274500
	Missing (%)	0.0%	Maximum	88491325.04
	Missing (n)	0	Zeros (%)	63.8%
	Infinite (%)	0.0%		
	Infinite (n)	0		

[Toggle details](#)

Statistics

Histogram

Common values

Extreme values

Quantile statistics

Minimum	-3274500
5-th percentile	-29635.041
Q1	0
Median	0
Q3	5628.8125
95-th percentile	115678.9695
Maximum	88491325.04
Range	91765825.04
Interquartile range	5628.8125

Descriptive statistics

Standard deviation	1179010.318
Coef of variation	26.78099545
Kurtosis	3881.936385
Mean	44024.14093
MAD	85119.6779
Skewness	58.21714909
Sum	406871110.5
Variance	1.39006533e+12
Memory size	72.3 KiB

Commodity
Categorical

Distinct count	793
Unique (%)	8.6%
Missing (%)	0.0%
Missing (n)	0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
Informatics Professional Services	1903	20.6%
PRINTING, DUPLICATING AND BO...	292	3.2%
ADP Software	262	2.8%
Product/Material - Design, Developm...	224	2.4%
Services of Individuals - Except Con...	210	2.3%

Value		Count	Frequency (%)
Commercial Security Guard and Rel...		181	2.0%
Automatic Data Processing Equipme...		160	1.7%
Budget Control Systems		150	1.6%
Human Resource Services, Busines...		149	1.6%
Consulting Services		142	1.5%
Other values (783)		5569	60.3%

Commodity_R... Categorical	Distinct count	3	Yes	6600
			No	1335
	Unique (%)	< 0.1%	Unknown	1307
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				

Commodity_T... Categorical	Distinct count	3	Services	5942
			Goods	2739
	Unique (%)	< 0.1%	Construction	561
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				

Country_of_O... Categorical	Distinct count	38	CA	8850
			US	252
	Unique (%)	0.4%	GB	38
	Missing (%)	0.0%	Other values (35)	102
	Missing (n)	0		
Toggle details				

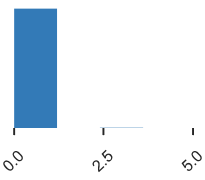
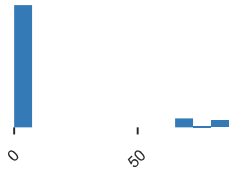
Entities_Rule	Distinct count	3	Yes	7280
Categorical	Unique (%)	< 0.1%	Unknown	1868
	Missing (%)	0.0%	No	94
	Missing (n)	0		
				Toggle details

Entity	Distinct count	53	
Categorical	Unique (%)	0.6%	
	Missing (%)	0.0%	
	Missing (n)	0	
			Toggle details

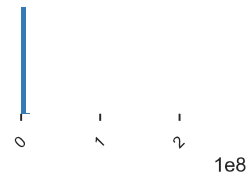
Common values	Composition
---------------	-------------

Value	Count	Frequency (%)
DND	2964	32.1%
CSC	1619	17.5%
CRA	1199	13.0%
CBSA	1024	11.1%
GAC	279	3.0%
DFO	270	2.9%
VAC	262	2.8%
ESDC	213	2.3%
CEO	173	1.9%
CNSC	155	1.7%
Other values (43)	1084	11.7%

Estimated_Tra...	This variable is constant and should be ignored for analysis	Constant value	No
Constant			

Exemption Numeric	Distinct count	5	Mean	0.0122267907	
	Unique (%)	0.1%	Minimum	0	
	Missing (%)	0.0%	Maximum	6	
	Missing (n)	0	Zeros (%)	99.4%	
	Infinite (%)	0.0%			
	Infinite (n)	0			
					Toggle details
Exemptions_R... Categorical	Distinct count	2		Yes 9188 Unknown 54	
	Unique (%)	< 0.1%			
	Missing (%)	0.0%			
	Missing (n)	0			
					Toggle details
Limited_Tende... Numeric	Distinct count	12	Mean	9.475438217	
	Unique (%)	0.1%	Minimum	0	
	Missing (%)	0.0%	Maximum	87	
	Missing (n)	0	Zeros (%)	87.1%	
	Infinite (%)	0.0%			
	Infinite (n)	0			
					Toggle details
Limited_Tende... Categorical	Distinct count	2		Yes 8053 Unknown 1189	
	Unique (%)	< 0.1%			
	Missing (%)	0.0%			
	Missing (n)	0			
					Toggle details
Original_Value Numeric	Distinct count	6974	Mean	494960.4422	
	Unique (%)	75.5%	Minimum	0	
	Missing (%)	0.0%	Maximum	270659325	
			Zeros (%)	1.9%	

Missing (n) 0
Infinite (%) 0.0%
Infinite (n) 0

[Toggle details](#)

thresholds
Categorical

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

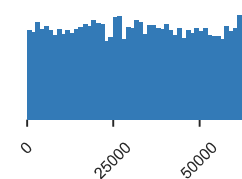
No 9073
Yes 113
Unknown 56

[Toggle details](#)

Unnamed_0
Numeric

Distinct count 9242
Unique (%) 100.0%
Missing (%) 0.0%
Missing (n) 0
Infinite (%) 0.0%
Infinite (n) 0

Mean 30996.3047
Minimum 0
Maximum 62236
Zeros (%) < 0.1%

[Toggle details](#)

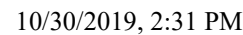
Year
Categorical

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

2018 4656
2017 3409
2019 1177

[Toggle details](#)

Correlations



Amendment
Co
Commod
Commod
Country
Entiti
Estimated_Trade_U
Ex
Exemptio
Limited_Tendering
Limited_Tender
Origin
th
Un

Sample

First rows

	Amendment_Value	Commodity
0	23418.93	Passenger Motor Vehicles
1	164528.00	Organization Development
2	0.00	Pilot Training Services, Aircraft
3	-176035.58	Informatics Professional Services
4	126560.00	Informatics Professional Services
5	0.00	Vehicular Brake, Steering, Axle, Wheel and Track Components
6	53051.04	Laboratory Equipment and Supplies - Repair
7	0.00	Product/Material - Design, Development, Formulation, Modification: Science and Tec
8	0.00	Product/Material - Design, Development, Formulation, Modification: Science and Tec
9	0.00	PRINTING, DUPLICATING AND BOOKBINDING EQUIPMENT, LEASING

Last rows

	Amendment_Value	Commodity
9232	0.00	Product/Material - Design, Development, Formulation, Modification: Science and
9233	0.00	Vehicular Brake, Steering, Axle, Wheel and Track Components

	Amendment_Value	Commodity
9234	0.00	Armor, Personal
9235	0.00	Services of Individuals - Except Consultants
9236	0.00	Commercial Security Guard and Related Services
9237	0.00	Commercial Security Guard and Related Services
9238	0.00	Consulting Services
9239	0.00	Prefabricated Constructions, Supply and Erection
9240	16648.43	Trash/Garbage Collection Services
9241	68478.00	Informatics Professional Services

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