

Overview

Dataset info

Number of variables	16
Number of observations	837
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	104.8 KiB
Average record size in memory	128.2 B

Variables types

Numeric	3
Categorical	7
Boolean	0
Date	0
URL	0
Text (Unique)	0
Rejected	6
Unsupported	0

Warnings

Amendment_Value is highly skewed ($\gamma_1 = 27.74329757$)

Skewed

Commodity has a high cardinality: 200 distinct values

Warning

Commodity_Rule has constant value "Unknown"

Rejected

Entities_Rule has constant value "Unknown"

Rejected

Estimated_Trade_Coverage has constant value "Unknown"

Rejected

Exemptions_Rule has constant value "Unknown"

Rejected

Limited_Tendering_Rule has constant value "Unknown"

Rejected

Original_Value is highly correlated with Amendment_Value ($\rho = 0.9911052449$)

Rejected

Variables

Amendment_... Numeric	Distinct count	788	Mean	184877.379
	Unique (%)	94.1%	Minimum	-196881
	Missing (%)	0.0%	Maximum	90400000
	Missing (n)	0	Zeros (%)	0.8%
	Infinite (%)	0.0%		
	Infinite (n)	0		

[Toggle details](#)

Statistics

Histogram

Common values

Extreme values

Quantile statistics

Minimum	-196881
5-th percentile	-971.058
Q1	4520
Median	12656
Q3	31211.73
95-th percentile	172604.09
Maximum	90400000
Range	90596881
Interquartile range	26691.73

Descriptive statistics

Standard deviation	3168487.652
Coef of variation	17.13831983
Kurtosis	788.9702002
Mean	184877.379
MAD	310769.2626
Skewness	27.74329757
Sum	154742366.3
Variance	1.0039314e+13
Memory size	6.7 KiB

Commodity
Categorical

Distinct count	200
Unique (%)	23.9%
Missing (%)	0.0%
Missing (n)	0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
ADP Software	90	10.8%
Language Training Services	50	6.0%
Buoys - Repair	39	4.7%
ADP Software Maintenance - Other t...	39	4.7%
Laboratory Equipment and Supplies	33	3.9%

Value	Count	Frequency (%)
Informatics Professional Services	25	3.0%
Medical and Surgical Instruments, E...	24	2.9%
General Office Help	21	2.5%
Information Products	19	2.3%
Human Resources Support Services ...	15	1.8%
Other values (190)	482	57.6%

Commodity_R...

Constant

This variable is constant and should be ignored for analysis

Constant value

Unknown

Commodity_T...	Distinct count	3	Services		577
	Unique (%)	0.4%	Goods		243
	Missing (%)	0.0%	Construction		17
	Missing (n)	0			
	Toggle details				

Country_of_O...	Distinct count	31	CA		717
	Unique (%)	3.7%	US		51
	Missing (%)	0.0%	GB		9
	Missing (n)	0	Other values (28)		60
	Toggle details				

Entities_Rule

Constant

This variable is constant and should be ignored for analysis

Constant value

Unknown

Entity	Distinct count	38
Categorical	Unique (%)	4.5%
	Missing (%)	0.0%
	Missing (n)	0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
DND	134	16.0%
GAC	96	11.5%
CSC	68	8.1%
PHAC	61	7.3%
DFO	46	5.5%
CEO	42	5.0%
TC	42	5.0%
FIN	41	4.9%
HC	39	4.7%
CBSA	35	4.2%
Other values (28)	233	27.8%

Estimated_Tra...
Constant

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

Constant value

Unknown

Exemption	Distinct count	3
Categorical	Unique (%)	0.4%
	Missing (%)	0.0%
	Missing (n)	0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
0	835	99.8%
6	1	0.1%
3	1	0.1%

Exemptions_R...

Constant

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

Constant value

Unknown

Limited_Tende...

Numeric

Distinct count	12	Mean	80.21146953
Unique (%)	1.4%	Minimum	5
Missing (%)	0.0%	Maximum	90
Missing (n)	0	Zeros (%)	0.0%
Infinite (%)	0.0%		
Infinite (n)	0		

Toggle details

Statistics

Histogram

Common values

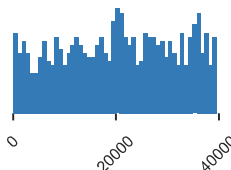
Extreme values

Quantile statistics

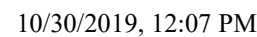
Minimum	5
5-th percentile	71
Q1	71
Median	85
Q3	85
95-th percentile	87
Maximum	90
Range	85
Interquartile range	14

Descriptive statistics

Standard deviation	10.05008807
Coef of variation	0.1252949002
Kurtosis	22.99956501
Mean	80.21146953
MAD	7.26679599
Skewness	-3.778296918
Sum	67137
Variance	101.0042702
Memory size	6.7 KiB

Limited_Tende... Constant	This variable is constant and should be ignored for analysis		Constant value	Unknown	
Original_Value Highly correlated	This variable is highly correlated with Amendment_ValuE and should be ignored for analysis		Correlation	0.9911052449	
Trade_Agree...	Distinct count	2		0	835
Categorical	Unique (%)	0.2%		CFTA 2	
	Missing (%)	0.0%			
	Missing (n)	0			
					Toggle details
Unnamed_0 Numeric	Distinct count	837	Mean	20511.9546	
	Unique	100.0%	Minimum	70	
	(%)		Maximum	39649	
	Missing	0.0%	Zeros (%)	0.0%	
	(%)				
	Missing	0			
	(n)				
	Infinite (%)	0.0%			
	Infinite (n)	0			
					Toggle details
Year	Distinct count	3		2018	443
Categorical	Unique (%)	0.4%		2017	312
	Missing (%)	0.0%		2019	82
	Missing (n)	0			
					Toggle details

Correlations



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
Trade_Agreement_Code
Unnamed_0
Year

Sample

First rows

	Amendment_Value	Commodity	Commodity_Rule	Commodity_1
0	481.49	ADP Software	Unknown	Goods
1	-11865.00	Informatics Professional Services	Unknown	Services
2	945.78	Administrative Services	Unknown	Services
3	128444.74	Miscellaneous Business Services	Unknown	Services
4	4855.00	Language Training Services	Unknown	Services
5	17953.44	Hydraulic Control Assemblies, Aircraft Engine	Unknown	Goods
6	11550.01	Library Subscriptions	Unknown	Services
7	63790.02	Laboratory Equipment and Supplies	Unknown	Goods
8	74919.00	Career Path Planning Training Courses	Unknown	Services
9	4927.00	Language Training Services	Unknown	Services

Last rows

	Amendment_Value	Commodity
827	-21646.04	Hotels, Motels and Commercial Accommodation

	Amendment_Value	Commodity
828	22028.22	ADP Software
829	750.00	Internal and External Audits (Supply Arrangement PASS)
830	50850.00	Technical / Vocational Training
831	13965.00	Language Training Services
832	13095.61	Cameras, Motion Picture
833	12498.00	Consulting Services, Change Management / Organizational Development (CM/OI
834	100650.00	ADP Software Maintenance - Other than Microcomputer
835	12656.00	Miscellaneous Business Services
836	357462.12	Telecommunications Network Services

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