Overview

Number of variables	16
Number of observations	2692
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	336.6 KiB
Average record size in memory	128.0 B

Variables types

Numeric	3
Categorical	9
Boolean	2
Date	0
URL	0
Text (Unique)	0
Rejected	2
Unsupported	0

Warnings

Amendment_Value has 47 (1.7%) zeros
Commodity has a high cardinality: 135 distinct values
Estimated_Trade_Coverage has constant value "No"
Limited_Tendering_Reason has 2312 (85.9%) zeros
Original_Value is highly correlated with Amendment_Value (ρ = 0.9051772225)

Zeros Warning

Rejected

Zeros

Rejected

Variables

Amendment_...

Distinct count
Unique (%) 23.2%
Missing (%) 0.0%
Missing (n) 0
Infinite (%) 0.0%

Mean870056.6667Minimum-3000000Maximum88491325.04Zeros (%)1.7%

Statistics	Histogram	Common values	Extrer	ne values	
	Quantile stat	istics		Descriptive	e statistics
	Minimum	-3000000		Standard	6062383.74
	5-th percentile	-41157.94		deviation Coef of	
	Q1	11099.43		variation	6.967803331
	Median	57943.76		Kurtosis	143.499833
	Q3	233858.02		Mean	870056.6667
	95-th	1203465.92		MAD	1411348.44
	percentile			Skewness	11.32480175
	Maximum	88491325.04		Sum	2342192547
	Range	91491325.04		Variance	3.675249662e+13
	Interquartile range	222758.59		Memory size	21.2 KiB
Commod	itv	Distinct	135		
Categorical	,	count			
		Unique (%)	5.0% 0.0%		
		Missing (%) Missing (n)	0.0%		
		missing (ii)	O		Toggle detai
Common va	alues Comp	osition			
Value			Count	Frequency (%)	
General O	ffice Help		205	7.6%	
Commerci	al Security Guar	d and Rel	170	6.3%	
Budget Co	ontrol Systems		149	5.5%	
Information	n Products		148	5.5%	
Miscellane	ous Communica	ations Serv	147	5.5%	
Translation	n Services		130	4.8%	
Language	Training Service	es	94	3.5%	
Services o	f Individuals - E	xcept Con	75	2.8%	

Temporary Help Service	es - Professio	54	2.0%	
Other values (125)		1447	53.8%	
Commodity_R	Distinct count	2		No 2618
Boolean	Unique (%)	0.1%		Yes ⁷⁴
	Missing (%)	0.0%		
	Missing (n)	0		
				Toggle detail
Commodity_T	Distinct	3	Services	2668
Categorical	count		Goods ¹⁹	
	Unique (%) Missing (%)	0.1% 0.0%	Construction ⁵	
	Missing (70)	0.070		
		·		Toggle details
Country_of_O	Distinct	13	CA	2554
Categorical	count		US 60	
	Unique (%) Missing (%)	0.5% 0.0%	FR 17	
	Missing (76)	0.070	Other values (10) 61	
		-		Toggle details
Entition Dula	Distinct	0		Yes 2584
Entities_Rule Boolean	count	2		No 108
	Unique (%)	0.1%		
	Missing (%)	0.0%		
	Missing (n)	0		Toggle details

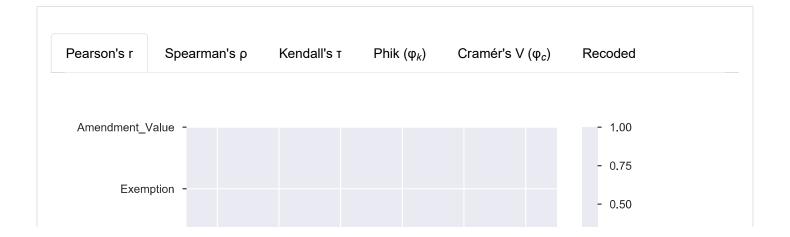
Entity Categorical	Distinct count Unique (%) Missing (%) Missing (n)	40 1.5% 0.0% 0			Toggle details
Common values (Composition				
Value		Count	Frequency (%)		
CSC		350	13.0%		
CBSA		329	12.2%		
CRA		311	11.6%		
DFO		308	11.4%		
GAC		305	11.3%		
DND		212	7.9%		
ESDC		108	4.0%		
VAC		103	3.8%		
CNSC		98	3.6%		
CEO		78	2.9%		
Other values (30)		490	18.2%		
Estimated_Tra _{Constant}	This variable is and should be i for analysis		Constant value	No	
Exemption Categorical	Distinct count Unique (%) Missing (%)	3 0.1% 0.0%			
	Missing (n)	0			Toggle details

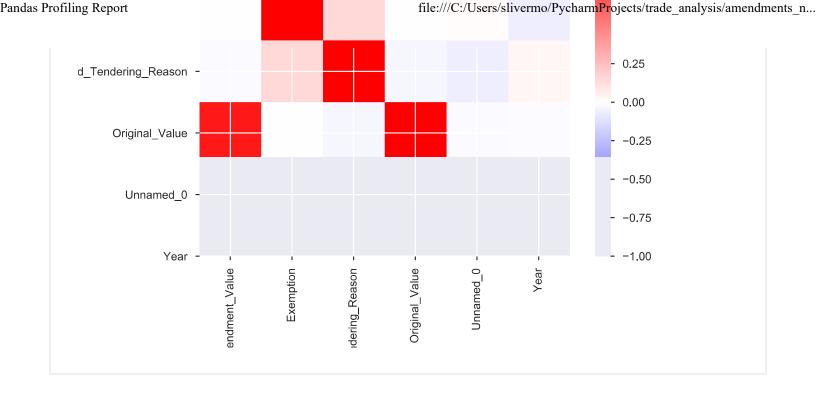
Value		Count	Frequency	(%)	
0		2683	99.7	%	
6		8	0.3	%	
3		1	< 0.1	%	
Exemptions_R Categorical	Distinct count Unique (%)	2 0.1%		Yes Unknown ⁹	2683
	Missing (%) Missing (n)	0.0%			Toggle detail
Limited_Tende Numeric	Distinct count Unique (%) Missing (%) Missing (n) Infinite (%)	8 0.3% 0.0% 0 0.0% 0	Mean Minimum Maximum Zeros (%)	10.48068351 0 87 85.9%	Toggle detail
Statistics Histogram	Common values	Extre	me values		loggie detail
Value		Count	Frequency	(%)	
0		2312	85.9	%	
71		220	8.2	%	
87		68	2.5	%	
85		49	1.8	%	
86		20	0.7	%	
5		8	0.3	%	

23		7	0.3%			
Limited_Tende Categorical	Distinct count Unique (%) Missing (%) Missing (n)	2 0.1% 0.0% 0		Yes Unknown	380	2312 Toggle details
Original_Value Highly correlated	This variable is correlated with Amendment_Val should be ignor analysis	ue and	Correlation	0.90517722	225	
Trade_Agree	Distinct count	10				
_	Unique (%) Missing (%) Missing (n)	0.4% 0.0% 0				Toggle detail
Categorical Common values	Unique (%) Missing (%)	0.0%	Froguency (9/ ₁)		Toggle detail:
Categorical Common values Co Value	Unique (%) Missing (%) Missing (n)	0.0% 0	Frequency (Toggle details
Categorical Common values	Unique (%) Missing (%) Missing (n)	0.0%	Frequency (*20.1%)		Toggle details
Categorical Common values Common values Common values Common values	Unique (%) Missing (%) Missing (n)	0.0% 0 Count 542	20.1%			Toggle details
Categorical Common values Co Value CKFTA WTO-AGP	Unique (%) Missing (%) Missing (n)	0.0% 0 Count 542 489	20.1%			Toggle details
Categorical Common values Common values Common values Value CKFTA WTO-AGP NAFTA	Unique (%) Missing (%) Missing (n)	0.0% 0 Count 542 489 350	20.1% 18.2% 13.0%			Toggle details

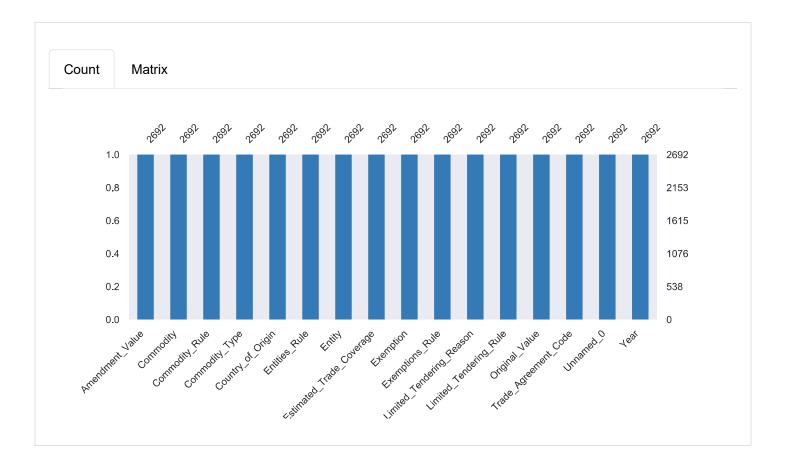
Value		Count	Frequency	(%)	
CCFTA		237	8.8	%	
CETA		49	1.8	%	
СРТРР		5	0.2	%	
Unnamed_0 Numeric	Distinct count Unique (%) Missing (%) Missing (n) Infinite (%)	2692 100.0% 0.0% 0 0.0% 0	Mean Minimum Maximum Zeros (%)	19597.22177 121 39544 0.0%	Toggle details
Year Categorical	Distinct count Unique (%) Missing (%) Missing (n)	3 0.1% 0.0% 0		2018 2017 2019	1419 994 279 Toggle details

Correlations





Missing values



Sample

First rows

	Amendment_Value	Commodity	Commodity_Rule	Commodity_Tyr
0	59909.49	Budget Control Systems	No	Services
1	59909.49	Budget Control Systems	No	Services
2	845240.00	Communications Network Hardware (R&D)	No	Services
3	845240.00	Communications Network Hardware (R&D)	No	Services
4	845240.00	Communications Network Hardware (R&D)	No	Services
5	845240.00	Communications Network Hardware (R&D)	No	Services
6	845240.00	Communications Network Hardware (R&D)	No	Services
7	845240.00	Communications Network Hardware (R&D)	No	Services
8	845240.00	Communications Network Hardware (R&D)	No	Services
9	845240.00	Communications Network Hardware (R&D)	No	Services

Last rows

	Amendment_Value	Commodity	Commodity_Rule	Commodity
2682	50850.00	Translation Services	No	Services
2683	50850.00	Translation Services	No	Services
2684	50850.00	Translation Services	No	Services
2685	50850.00	Translation Services	No	Services
2686	50850.00	Translation Services	No	Services
2687	50850.00	Translation Services	No	Services
2688	50850.00	Translation Services	No	Services
2689	10504.24	Services of Individuals - Except Consultants	No	Services

	Amendment_Value	Commodity	Commodity_Rule	Commodity
2690	10504.24	Services of Individuals - Except Consultants	No	Services
2691	10504.24	Services of Individuals - Except Consultants	No	Services

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