

Overview

Dataset info

Number of variables	14
Number of observations	74469
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	8.0 MiB
Average record size in memory	112.0 B

Variables types

Numeric	4
Categorical	9
Boolean	0
Date	0
URL	0
Text (Unique)	0
Rejected	1
Unsupported	0

Warnings

abbreviation has a high cardinality: 67 distinct values

amendment_value is highly skewed ($\gamma_1 = 76.5199608$)

amendment_value has 73451 (98.6%) zeros

commodity_code has a high cardinality: 1494 distinct values

country_of_origin has a high cardinality: 131 distinct values

document_type_code has constant value "Contract"

exemption_code is highly skewed ($\gamma_1 = 33.03935608$)

exemption_code has 74336 (99.8%) zeros

limited_tendering_reason_code has 63247 (84.9%) zeros

original_value is highly skewed ($\gamma_1 = 120.8282506$)

owner_org_title has a high cardinality: 69 distinct values

procurement_id has a high cardinality: 50393 distinct values

uuid has a high cardinality: 50735 distinct values

Warning

Skewed

Zeros

Warning

Warning

Rejected

Skewed

Zeros

Zeros

Skewed

Warning

Warning

Warning

Variables

abbreviation
Categorical

Distinct count	67
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
DND	38008	51.0%
CSC	13728	18.4%
CBSA	4841	6.5%
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 (57)	8006	10.8%

agreement_ty...
Categorical

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

[Toggle details](#)

Common values

Composition

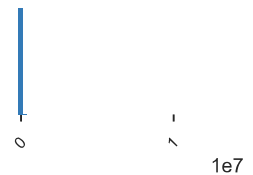
Value	Count	Frequency (%)
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Value	Count	Frequency (%)
0	44849	60.2%
CFTA	5886	7.9%
NAFTA	4034	5.4%
CKFTA	2894	3.9%
CCFTA	2887	3.9%
CHFTA	2806	3.8%
CPaFTA	2762	3.7%
CCoFTA	2762	3.7%
CPFTA	2640	3.5%
WTO-AGP	2490	3.3%
Other values (2)	459	0.6%

amendment_v...
Numeric

Distinct count	433
Unique (%)	0.6%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0

Mean	3649.391845
Minimum	-186346.6
Maximum	13886345.35
Zeros (%)	98.6%



[Toggle details](#)

commodity_co...
Categorical

Distinct count	1494
Unique (%)	2.0%
Missing (%)	0.0%
Missing (n)	0

[Toggle details](#)

Common values

Composition

Value	Count	Frequency (%)
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Value	Count	Frequency (%)
D302A	4361	5.9%
N9130	3968	5.3%
N7030	1868	2.5%
WL3610	1858	2.5%
N2310	1675	2.2%
N7110	1663	2.2%
N6505	1576	2.1%
N6640	1401	1.9%
N9140	1363	1.8%
N7010	1302	1.7%
Other values (1484)	53434	71.8%

commodity_ty... Categorical	Distinct count	3	Services	35287
			Goods	34375
	Unique (%)	< 0.1%	Construction	4807
	Missing (%)	0.0%		
	Missing (n)	0		
Toggle details				

country_of_ori... Categorical	Distinct count	131	CA	69340
			US	2402
	Unique (%)	0.2%	GB	466
	Missing (%)	0.0%	Other values (128)	2261
	Missing (n)	0		
Toggle details				

document_typ...

Constant

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

Constant value

Contract

exemption_code

Numeric

Distinct count 6
Unique (%) < 0.1%
Missing (%) 0.0%
Missing (n) 0
Infinite (%) 0.0%
Infinite (n) 0

Mean 0.003813667432
Minimum 0
Maximum 6
Zeros (%) 99.8%

Toggle details

Statistics

Histogram

Common values

Extreme values

Value	Count	Frequency (%)
0	74336	99.8%
1	64	0.1%
3	58	0.1%
6	4	< 0.1%
4	4	< 0.1%
2	3	< 0.1%

limited_tenderi...

Numeric

Distinct count 16
Unique (%) < 0.1%
Missing (%) 0.0%
Missing (n) 0
Infinite (%) 0.0%
Infinite (n) 0

Mean 11.51873934
Minimum 0
Maximum 90
Zeros (%) 84.9%

Toggle details

Statistics

Histogram

Common values

Extreme values

Value	Count	Frequency (%)
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Value	Count	Frequency (%)
0	63247	84.9%
85	4517	6.1%
71	3872	5.2%
87	1261	1.7%
86	466	0.6%
74	451	0.6%
5	326	0.4%
23	108	0.1%
20	74	0.1%
81	67	0.1%
Other values (6)	80	0.1%

original_value Numeric	Distinct count	41600	Mean	252512.3956
	Unique (%)	55.9%	Minimum	0
	Missing (%)	0.0%	Maximum	620865000
	Missing (n)	0	Zeros (%)	0.1%
	Infinite (%)	0.0%		
	Infinite (n)	0		

[Toggle details](#)

Statistics

Histogram

Common values

Extreme values

Quantile statistics

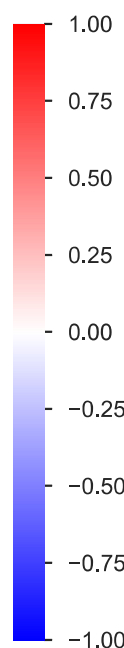
Minimum	0
5-th percentile	10905.76
Q1	16671.03
Median	31406.55
Q3	110315.5
95-th percentile	737664
Maximum	620865000

Descriptive statistics

Standard deviation	3333405.898
Coef of variation	13.20095946
Kurtosis	19339.85735
Mean	252512.3956
MAD	348990.8598
Skewness	120.8282506
Sum	1.880434559e+10

	Range	620865000	Variance	1.111159488e+13
	Interquartile range	93644.47	Memory size	581.9 KiB
owner_org_title Categorical	Distinct count	69	National Defence Déf...	38008
	Unique (%)	0.1%	Correctional Service of...	13728
	Missing (%)	0.0%	Canada Border Servic...	4841
	Missing (n)	0	Other values (66)	17892
				Toggle details
procurement_id Categorical	Distinct count	50393	B310017005	36
	Unique (%)	67.7%	9000077	20
	Missing (%)	0.0%	W8486-184171/001/HN	19
	Missing (n)	0	Other values (50390)	74394
				Toggle details
reporting_period Categorical	Distinct count	3	2018	38891
	Unique (%)	< 0.1%	2017	26419
	Missing (%)	0.0%	2019	9159
	Missing (n)	0		
				Toggle details
uuid Categorical	Distinct count	50735	6785b2db-5cbc-4f27-b...	11
	Unique (%)	68.1%	a3f565b0-ff71-48f8-83...	11
	Missing (%)	0.0%	44e2066f-c4ec-423c-a...	11
	Missing (n)	0	Other values (50732)	74436
				Toggle details

Correlations



abbreviation
agreement_type_code
amendment_value
commodity_code
commodity_type_code
country_of_origin
document_type_code
exemption_code
limited_tendering_reason_code
original_value
owner_org_title
procurement_to
reporting_period
uid

Sample

First rows

	abbreviation	agreement_type_code	amendment_value	commodity_code	commodity_type_c
0	CSC	0	0.0	N2310	Goods
1	FCAC	0	0.0	R019A	Services
2	DND	0	0.0	N3950	Goods
3	DND	0	0.0	S000A	Services
4	DND	0	0.0	JX6100	Services
5	OPC	0	0.0	D302A	Services
6	DND	0	0.0	N2320	Goods
7	DND	0	0.0	N5610	Goods
8	ATSSC	0	0.0	JX5830	Services
9	ESDC	0	0.0	R201A	Services

Last rows

	abbreviation	agreement_type_code	amendment_value	commodity_code	commodity_ty
74459	CBSA	CPFTA	0.0	R199D	Services

	abbreviation	agreement_type_code	amendment_value	commodity_code	commodity_ty
74460	CBSA	CKFTA	0.0	R199D	Services
74461	DND	0	0.0	J019A	Services
74462	DFO	0	0.0	V204M	Services
74463	DND	0	0.0	JX1990	Services
74464	DFO	0	0.0	AG414668	Services
74465	DND	0	0.0	R201D	Services
74466	CEO	0	0.0	R019A	Services
74467	DND	0	0.0	AT919500	Services
74468	DND	0	0.0	JX2320	Services

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