

Overview

Dataset info

| | |
|-------------------------------|-------------|
| Number of variables | 15 |
| Number of observations | 62239 |
| Missing cells | 0 (0.0%) |
| Duplicate rows | 0 (0.0%) |
| Total size in memory | 7.1 MiB |
| Average record size in memory | 120.0 B |

Variables types

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

Warnings

Amendment_Value is highly skewed ($\gamma_1 = 195.9911812$)

Amendment_Value has 50207 (80.7%) zeros

Commodity has a high cardinality: 1525 distinct values

Country_of_Origin has a high cardinality: 137 distinct values

Entity has a high cardinality: 63 distinct values

Exemption is highly skewed ($\gamma_1 = 43.60094747$)

Exemption has 62174 (99.9%) zeros

Limited_Tendering_Reason has 52172 (83.8%) zeros

Original_Value is highly skewed ($\gamma_1 = 102.7278833$)

Skewed

Zeros

Warning

Warning

Warning

Skewed

Zeros

Zeros

Skewed

Variables

| | | | | |
|--------------------------|-----------------------|-------|------------------|-------------|
| Amendment_... Numeric | Distinct count | 10306 | Mean | 71769.73839 |
| | Unique (%) | 16.6% | Minimum | -16522116 |
| | Missing (%) | 0.0% | Maximum | 1157080504 |
| | Missing (n) | 0 | Zeros (%) | 80.7% |
| | Infinite (%) | 0.0% | | |
| | Infinite (n) | 0 | | |
| | | | | |

[Toggle details](#)

Statistics

Histogram

Common values

Extreme values

Quantile statistics

| | |
|----------------------------|------------|
| Minimum | -16522116 |
| 5-th percentile | 0 |
| Q1 | 0 |
| Median | 0 |
| Q3 | 0 |
| 95-th percentile | 92281.746 |
| Maximum | 1157080504 |
| Range | 1173602620 |
| Interquartile range | 0 |

Descriptive statistics

| | |
|---------------------------|-----------------|
| Standard deviation | 5101873.464 |
| Coef of variation | 71.08669446 |
| Kurtosis | 43007.84329 |
| Mean | 71769.73839 |
| MAD | 136410.061 |
| Skewness | 195.9911812 |
| Sum | 4466876748 |
| Variance | 2.602911284e+13 |
| Memory size | 486.4 KiB |

Commodity

Categorical

| | |
|-----------------------|------|
| Distinct count | 1525 |
| Unique (%) | 2.5% |
| Missing (%) | 0.0% |
| Missing (n) | 0 |

[Toggle details](#)

Common values

Composition

| Value | Count | Frequency (%) |
|--|-------|---------------|
| Liquid Propellants and Fuels, Petrole... | 4042 | 6.5% |
| Informatics Professional Services | 2964 | 4.8% |
| Middle Distillate Fuels | 1497 | 2.4% |
| Drugs and Biologicals | 1476 | 2.4% |
| Commercial Security Guard and Rel... | 1334 | 2.1% |

| Value | | Count | Frequency (%) |
|-----------------------------------|--|-------|---------------|
| Office Furniture | | 1319 | 2.1% |
| Structural Steel Work | | 1318 | 2.1% |
| ADP Software | | 1215 | 2.0% |
| Laboratory Equipment and Supplies | | 1172 | 1.9% |
| Passenger Motor Vehicles | | 1029 | 1.7% |
| Other values (1515) | | 44873 | 72.1% |

| | | | | |
|-------------------------------|-----------------------|--------|---------|----------------|
| Commodity_R... Categorical | Distinct count | 3 | Unknown | 44533 |
| | Unique (%) | < 0.1% | Yes | 16371 |
| | Missing (%) | 0.0% | No | 1335 |
| | Missing (n) | 0 | | |
| | | | | Toggle details |

| | | | | |
|-------------------------------|-----------------------|--------|--------------|----------------|
| Commodity_T... Categorical | Distinct count | 3 | Services | 29964 |
| | Unique (%) | < 0.1% | Goods | 26770 |
| | Missing (%) | 0.0% | Construction | 5505 |
| | Missing (n) | 0 | | |
| | | | | Toggle details |

| | | | | |
|--------------------------------|-----------------------|------|--------------------|----------------|
| Country_of_O... Categorical | Distinct count | 137 | CA | 57454 |
| | Unique (%) | 0.2% | US | 1849 |
| | Missing (%) | 0.0% | GB | 413 |
| | Missing (n) | 0 | Other values (134) | 2523 |
| | | | | Toggle details |

Entities_Rule

Categorical

Distinct count

Unique (%)

Missing (%)

Missing (n)

3

< 0.1%

0.0%

0

Unknown

Yes

No

52917

9228

94

Toggle details

Entity

Categorical

Distinct count

Unique (%)

Missing (%)

Missing (n)

63

0.1%

0.0%

0

Toggle details

Common values

Composition

| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| DND | 32368 | 52.0% |
| CSC | 10167 | 16.3% |
| DFO | 3818 | 6.1% |
| CBSA | 2023 | 3.3% |
| GAC | 1948 | 3.1% |
| CRA | 1580 | 2.5% |
| HC | 1401 | 2.3% |
| PHAC | 1001 | 1.6% |
| ESDC | 579 | 0.9% |
| VAC | 544 | 0.9% |
| Other values (53) | 6810 | 10.9% |

Estimated_Tra...

Categorical

Distinct count

Unique (%)

3

< 0.1%

Yes

Unknown

No

54526

6301

1412

Missing (%) 0.0%**Missing (n)** 0[Toggle details](#)**Exemption**

Numeric

**Distinct
count**

6

Mean

0.0025707353

Minimum

0

Maximum

6

Zeros (%)

99.9%

Unique (%)<
0.1%**Missing (%)**

0.0%

Missing (n)

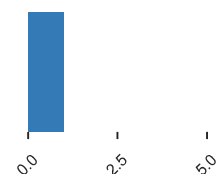
0

Infinite (%)

0.0%

Infinite (n)

0

[Toggle details](#)**Exemptions_R...**

Categorical

**Distinct
count**

2

Unknown

51958

Yes

10281

Unique (%)<
0.1%**Missing (%)**

0.0%

Missing (n)

0

[Toggle details](#)**Limited_Tende...**

Numeric

**Distinct
count**

16

Mean

12.44785424

Minimum

0

Maximum

90

Zeros (%)

83.8%

Unique (%)<
0.1%**Missing (%)**

0.0%

Missing (n)

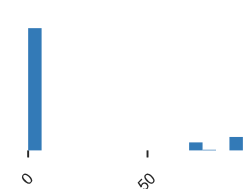
0

Infinite (%)

0.0%

Infinite (n)

0

[Toggle details](#)**Limited_Tende...**

Categorical

**Distinct
count**

2

Yes

52172

Unknown

10067

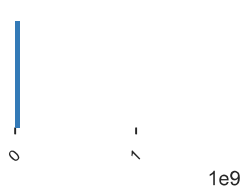
Unique (%)<
0.1%**Missing (%)**

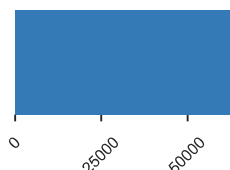
0.0%

Missing (n)

0

[Toggle details](#)

| | | | | | |
|---------------------------|----------------|-------|-----------|-------------|---|
| Original_Value Numeric | Distinct count | 45758 | Mean | 347253.1686 |  |
| | Unique (%) | 73.5% | Minimum | 0 | |
| | Missing (%) | 0.0% | Maximum | 1772776794 | |
| | Missing (n) | 0 | Zeros (%) | 0.4% | |
| | Infinite (%) | 0.0% | | | |
| | Infinite (n) | 0 | | | |
| | | | | | |
| Toggle details | | | | | |

| | | | | | |
|----------------------|----------------|--------|-----------|--------|---|
| Unnamed_0 Numeric | Distinct count | 62239 | Mean | 31119 |  |
| | Unique (%) | 100.0% | Minimum | 0 | |
| | Missing (%) | 0.0% | Maximum | 62238 | |
| | Missing (n) | 0 | Zeros (%) | < 0.1% | |
| | Infinite (%) | 0.0% | | | |
| | Infinite (n) | 0 | | | |
| | | | | | |
| Toggle details | | | | | |

| | | | | | |
|---------------------|----------------|--------|------|-------|--|
| Year Categorical | Distinct count | 3 | 2018 | 32681 | |
| | | | 2017 | 21907 | |
| | Unique (%) | < 0.1% | 2019 | 7651 | |
| | Missing (%) | 0.0% | | | |
| | Missing (n) | 0 | | | |
| Toggle details | | | | | |

Correlations

Pearson's r

Spearman's ρ

Kendall's τ

Phik (ϕ_k)

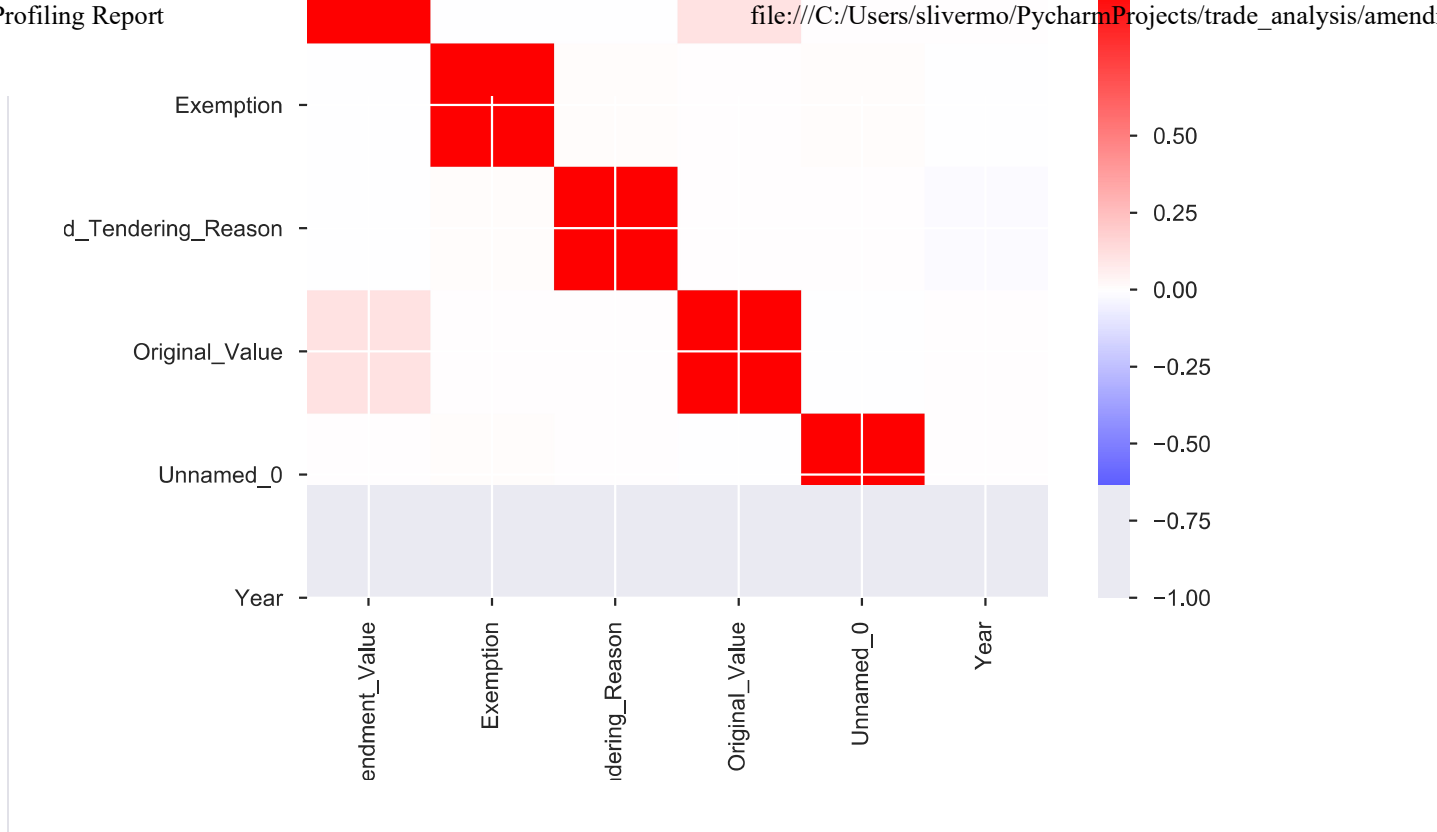
Cramér's V (ϕ_c)

Recoded

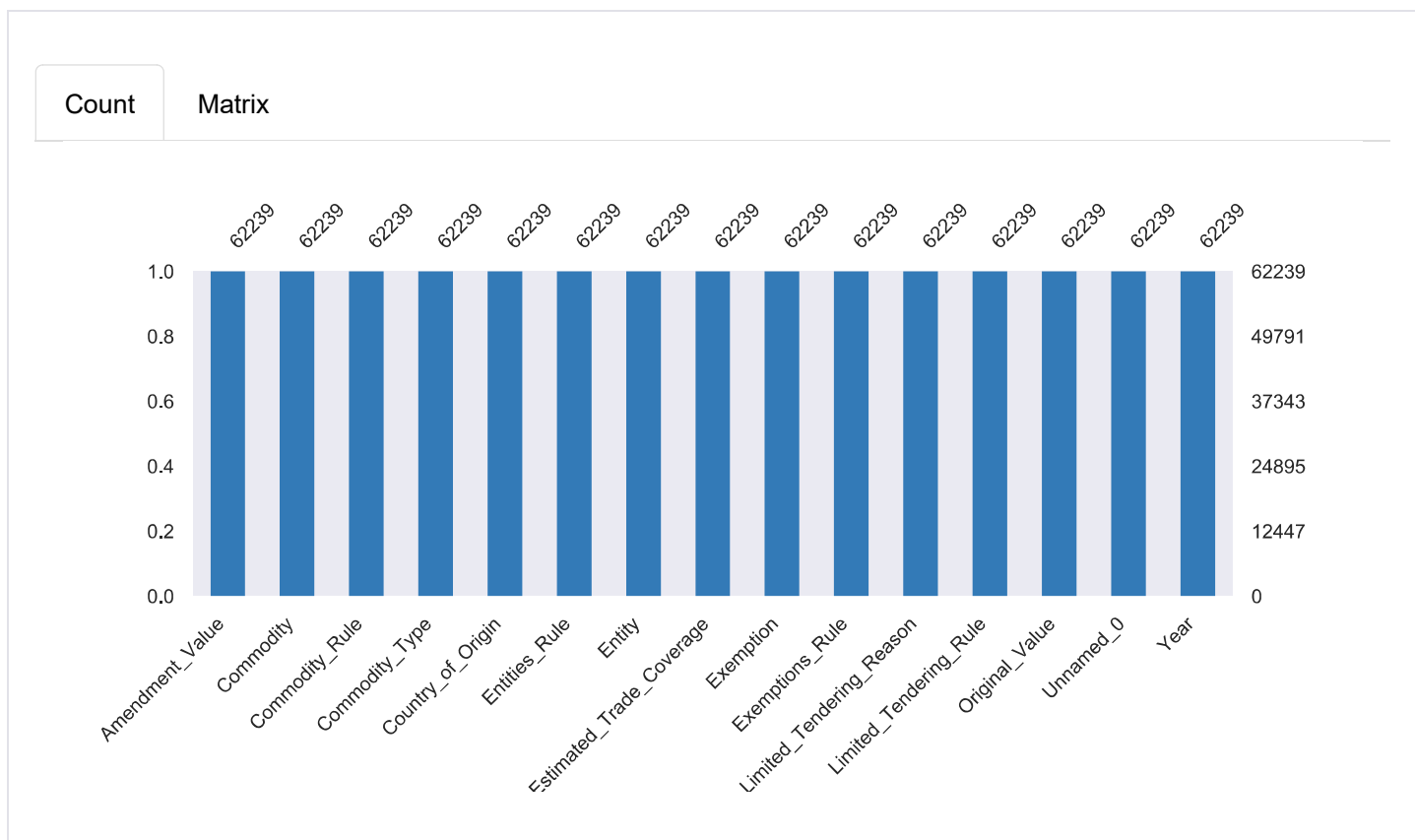
Amendment_Value

1.00

0.75



Missing values



Sample

First rows

| | Amendment_Value | Commodity | Commodity_Rule | Comm |
|---|-----------------|---|----------------|---------|
| 0 | 0.00 | Wind Energy Systems (R&D) | Yes | Service |
| 1 | 0.00 | Leasing of Hotel, Restaurant Buildings etc. | Unknown | Service |
| 2 | 0.00 | Oils and Greases, Cutting, Lubricating, and Hydraulic | Unknown | Goods |
| 3 | 0.00 | Cleaning and Maintenance, Janitorial | Unknown | Service |
| 4 | 0.00 | Safety and Rescue Equipment | Unknown | Goods |
| 5 | 0.00 | Commercial Security Guard and Related Services | Yes | Service |
| 6 | 0.00 | Property and Facilities Management - Buildings | Unknown | Service |
| 7 | 10420.86 | Language Translation and Interpretation | Yes | Service |
| 8 | 0.00 | Electrical Hardware and Supplies - Repair | Unknown | Service |
| 9 | 186568.43 | Informatics Professional Services | Yes | Service |

Last rows

| | Amendment_Value | Commodity |
|-------|-----------------|--|
| 62229 | 0.00 | PRINTING, DUPLICATING AND BOOKBINDING EQUIPMENT, LEASING |
| 62230 | 0.00 | Commercial Security Guard and Related Services |
| 62231 | 0.00 | Environmental Professional Consulting Services - Real Property Related |
| 62232 | 0.00 | Medical/Dental Clinic Services |
| 62233 | 12130.55 | Publications |

| | Amendment_Value | Commodity |
|-------|-----------------|--|
| 62234 | 0.00 | ADP Software |
| 62235 | 22600.00 | Consulting Services, Change Management / Organizational Development (CM/ |
| 62236 | 0.00 | Office Furniture |
| 62237 | 0.00 | ADP Input-Output and Storage Devices |
| 62238 | 0.00 | Construction of Commercial Buildings |

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