

Out[42]:

Overview

Dataset info

Number of variables	27
Number of observations	14586035
Total Missing (%)	0.4%
Total size in memory	2.9 GiB
Average record size in memory	216.0 B

Variables types

Numeric	13
Categorical	11
Boolean	2
Date	0
Text (Unique)	0
Rejected	1
Unsupported	0

Warnings

- Cumulative localclicks has 192822 / 1.3% zeros Zeros
- NAICS_Category has 1512773 / 10.4% missing values Missing
- avgOverallRating has 7810322 / 53.5% zeros Zeros
- city has a high cardinality: 17748 distinct values Warning
- clicks is highly skewed ($\gamma_1 = 43.392$) Skewed
- clicks has 214887 / 1.5% zeros Zeros
- companyId has a high cardinality: 150993 distinct values Warning
- date has a high cardinality: 395 distinct values Warning
- descriptionWordCount is highly correlated with descriptionCharacterLength ($p = 0.98859$) Rejected
- estimatedSalary has 257913 / 1.8% zeros Zeros
- experienceRequired has 9540289 / 65.4% zeros Zeros
- jobAgeDays has 406572 / 2.8% zeros Zeros
- jobDemand_Clicks is highly skewed ($\gamma_1 = 22.223$) Skewed
- jobDemand_localClicks has 192822 / 1.3% zeros Zeros
- jobId has a high cardinality: 520434 distinct values Warning
- localClicks is highly skewed ($\gamma_1 = 21.662$) Skewed
- localClicks has 7197480 / 49.3% zeros Zeros
- normTitle has a high cardinality: 6392 distinct values Warning
- normTitleCategory has a high cardinality: 58 distinct values Warning
- numReviews has 8248086 / 56.5% zeros Zeros
- stateProvince has a high cardinality: 87 distinct values Warning

Variables

Cumulative_clicks

Numeric

Distinct count	14377
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	702.35
Minimum	2
Maximum	73460
Zeros (%)	0.0%



[Toggle details](#)

Cumulative_localclicks

Numeric

Distinct count	6132
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	118.73
Minimum	0
Maximum	13399
Zeros (%)	1.3%



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NAICS_Category

Categorical

Distinct count	18
Unique (%)	0.0%
Missing (%)	10.4%
Missing (n)	1512773

Professional, Scientific, and Technical S...	3007539
Retail Trade	1857512
Health Care and Social Assistance	1794076
Other values (14)	6414135
(Missing)	1512773

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Unnamed: 0

Numeric

Distinct count	14586035
Unique (%)	100.0%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	7293000
Minimum	1
Maximum	14586035
Zeros (%)	0.0%

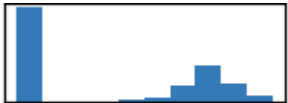


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avgOverallRating

Numeric

Distinct count	42
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	1.7144
Minimum	0
Maximum	5
Zeros (%)	53.5%



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city

Categorical

Distinct count	17748
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0

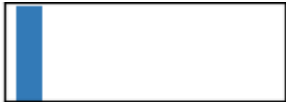
Unknown	338179
New York	229599
Berlin	140563
Other values (17745)	13877694

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clicks

Numeric

Distinct count	1827
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	22.445
Minimum	0
Maximum	17196
Zeros (%)	1.5%



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companyId

Categorical

Distinct count	150993
Unique (%)	1.0%
Missing (%)	0.0%
Missing (n)	0

company02436	222955
company01921	70719
company02209	59308
Other values (150990)	14233053

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country

Categorical

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

US	11547904
DE	1925795
CA	1112336

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date

Categorical

Distinct count	395
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0

2017-08-24	42103
2017-08-25	42088
2017-08-23	41995
Other values (392)	14459849

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descriptionCharacterLength

Numeric

Distinct count	11075
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	2367.6
Minimum	11
Maximum	57774
Zeros (%)	0.0%



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descriptionWordCount

Highly correlated

This variable is highly correlated with descriptionCharacterLength and should be ignored for analysis

Correlation 0.98859

educationRequirements

Categorical

Distinct count 3

Unique (%) 0.0%

Missing (%) 0.0%

Missing (n) 0

None	8428772
Higher Education	3282252
High School	2875011

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estimatedSalary

Numeric

Distinct count 2060

Unique (%) 0.0%

Missing (%) 0.0%

Missing (n) 0

Infinite (%) 0.0%

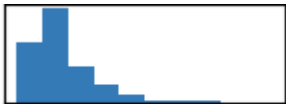
Infinite (n) 0

Mean 43669

Minimum 0

Maximum 248900

Zeros (%) 1.8%



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experienceRequired

Numeric

Distinct count 42

Unique (%) 0.0%

Missing (%) 0.0%

Missing (n) 0

Infinite (%) 0.0%

Infinite (n)	0
Mean	1.1751
Minimum	0
Maximum	20
Zeros (%)	65.4%



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jobAgeDays
Numeric

Distinct count	102
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	30.777
Minimum	0
Maximum	101
Zeros (%)	2.8%



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jobDemand_Clicks
Numeric

Distinct count	39737
Unique (%)	0.3%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	29.294
Minimum	0.02
Maximum	17165
Zeros (%)	0.0%



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jobDemand_localClicks

Numeric

Distinct count	17392
Unique (%)	0.1%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	5.2112
Minimum	0
Maximum	2048
Zeros (%)	1.3%



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jobId

Categorical

Distinct count	520434
Unique (%)	3.6%
Missing (%)	0.0%
Missing (n)	0
job0210510	102
job0246932	102
job0165719	101
Other values (520431)	14585730

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jobLanguage

Categorical

Distinct count	3
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
EN	12547718
DE	1853422
FR	184895

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licenseRequiredJob

Boolean

Distinct count	2
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Mean	0.30772

0.0	10097668
1.0	4488367

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localClicks

Numeric

Distinct count	764
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	3.7098
Minimum	0
Maximum	2156
Zeros (%)	49.3%



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normTitle

Categorical

Distinct count	6392
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0

Unknown	1302545
retail sales associate	291641
customer service representative	196005
Other values (6389)	12795844

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normTitleCategory

Categorical

Distinct count	58
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0

Unknown	1302545
management	1103743
retail	931695
Other values (55)	11248052

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numReviews

Numeric

Distinct count	631
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	81.379
Minimum	0
Maximum	10565
Zeros (%)	56.5%



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stateProvince

Categorical

Distinct count	87
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0

CA	1336804
TX	906323
FL	688840
Other values (84)	11654068

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supervisingJob

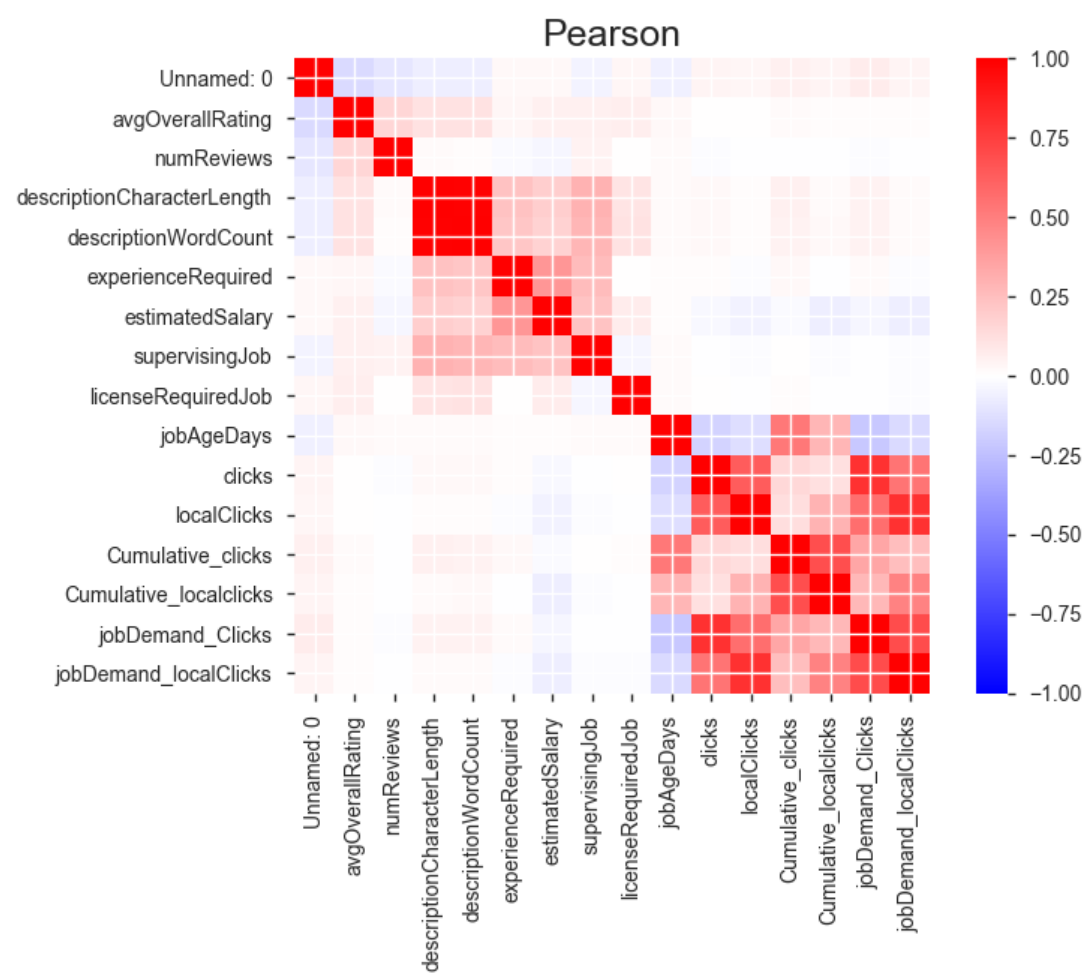
Boolean

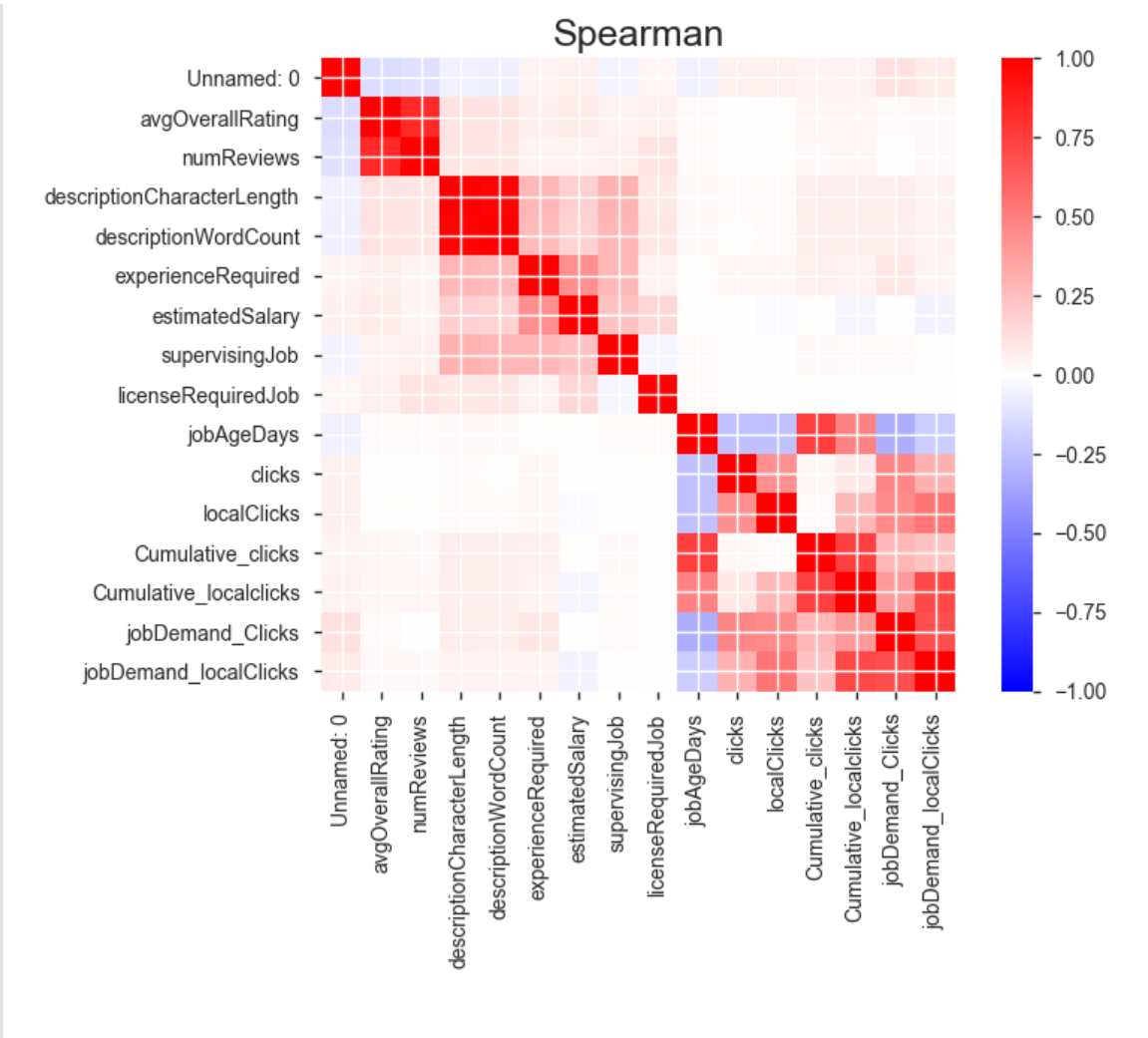
Distinct count	2
Unique (%)	0.0%
Missing (%)	0.0%
Missing (n)	0
Mean	0.13492

0.0	12618103
1.0	1967932

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Correlations





Sample

	Unnamed: 0	date	companyId	jobId	country	statePr
0	1	2016-11-01	company00000	job0000000	CA	ON
1	2	2016-11-02	company00001	job0016247	US	PA
2	3	2016-11-03	company00001	job0016247	US	PA
3	4	2016-11-04	company00001	job0016247	US	PA
4	5	2016-11-05	company00001	job0016247	US	PA