Overview

Dataset statistics

Number of variables	15
Number of observations	1000
Missing cells	171
Missing cells (%)	1.1%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	501.4 KiB
Average record size in memory	513.4 B

Variable types

Text	1
Numeric	7
Categorical	6
DateTime	1

Variables

Select Columns

customer_id
Text

Distinct	1000
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Memory size	63.6 KiB

More details

age
Real number (ℝ)

Missing

Distinct	52
Distinct (%)	5.7%
Missing	87
Missing (%)	8.7%
Infinite	0
Infinite (%)	0.0%
Mean	43.817087

Minimum	18
Maximum	69
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB
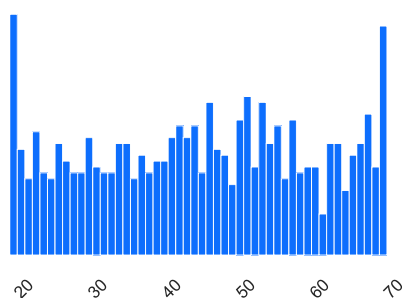
More details

gender
Categorical

Distinct	3
Distinct (%)	0.3%
Missing	0
Missing (%)	0.0%
Memory size	60.7 KiB

Male	484
Female	478
Other	38
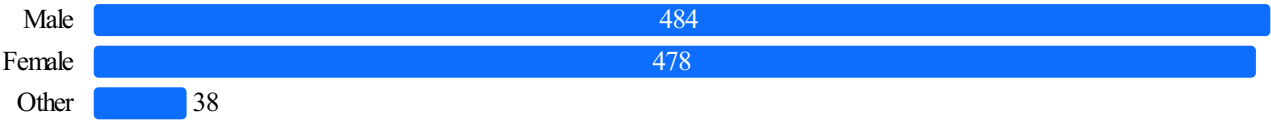
More details

region
Categorical

Distinct	4
Distinct (%)	0.4%
Missing	0
Missing (%)	0.0%
Memory size	60.2 KiB

West	268
South	262
North	251
East	219
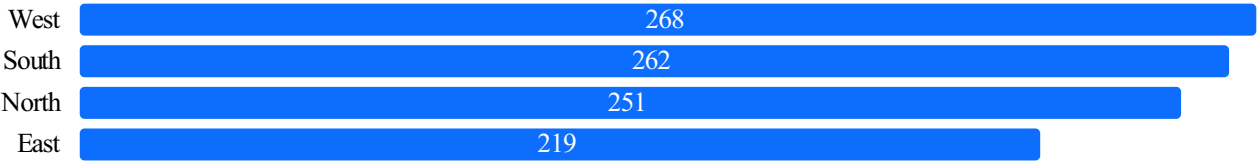
More details

education_level
Categorical

Distinct	4
Distinct (%)	0.4%
Missing	0
Missing (%)	0.0%
Memory size	64.5 KiB

Graduate	352
Secondary	343
Primary	154
Post-Graduate	151
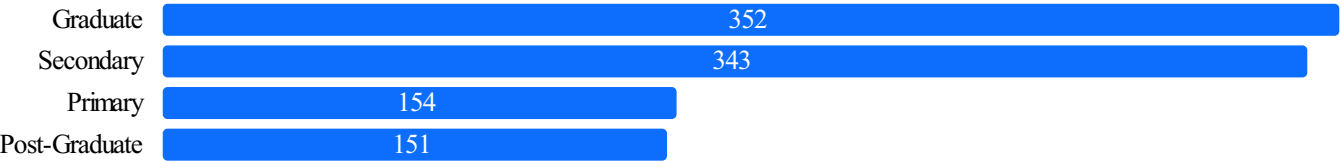
More details

employment_type
Categorical

Missing

Distinct	3
Distinct (%)	0.3%
Missing	42
Missing (%)	4.2%
Memory size	65.1 KiB

Salaried	548
Self-Employed	250
Unemployed	160
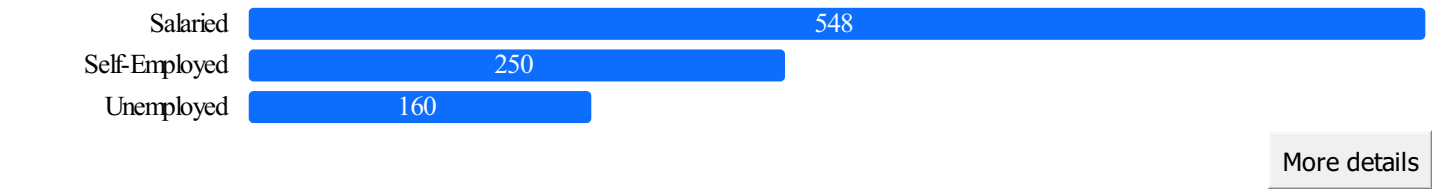
More details

annual_income
Real number (ℝ)
Missing

Distinct	625
Distinct (%)	63.9%
Missing	22
Missing (%)	2.2%
Infinite	0
Infinite (%)	0.0%
Mean	1488918.1

Minimum	80215
Maximum	11642071
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB
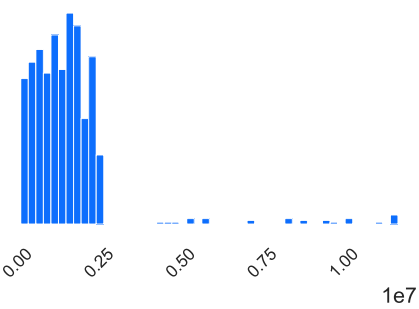
More details

loan_amount
Real number (ℝ)

Distinct	646
Distinct (%)	64.6%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	854462.82

Minimum	31620
Maximum	5904413
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB
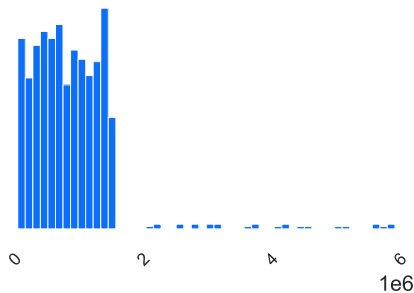
More details

loan_purpose
Categorical

Distinct	5
Distinct (%)	0.5%
Missing	0
Missing (%)	0.0%
Memory size	61.3 KiB

Home	227
Car	212
Business	190
Other	187
Education	184
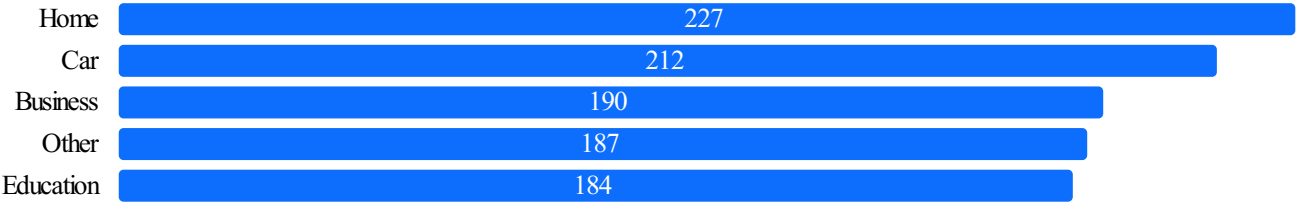
More details

credit_score
Real number (ℝ)

Missing

Distinct	373
Distinct (%)	38.1%
Missing	20
Missing (%)	2.0%
Infinite	0
Infinite (%)	0.0%
Mean	595.97041

Minimum	300
Maximum	977
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB
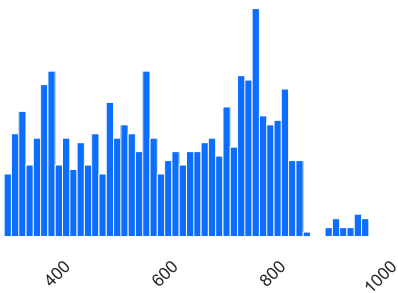
More details

repayment_history
Real number (ℝ)

Zeros

Distinct	7
Distinct (%)	0.7%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	1.164

Minimum	0
Maximum	7
Zeros	314
Zeros (%)	31.4%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB
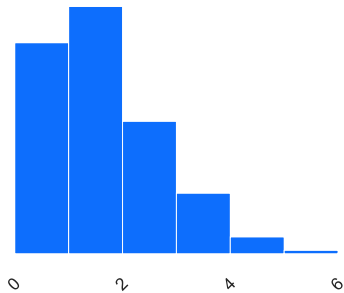
More details

transaction_count
Real number (ℝ)

Distinct	115
Distinct (%)	11.5%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	60.434

Minimum	5
Maximum	119
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB
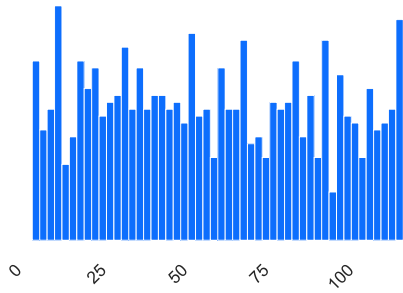
spending_ratio
Real number (ℝ)

Distinct	939
Distinct (%)	93.9%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	49.72901

Minimum	10.01
Maximum	89.9
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB
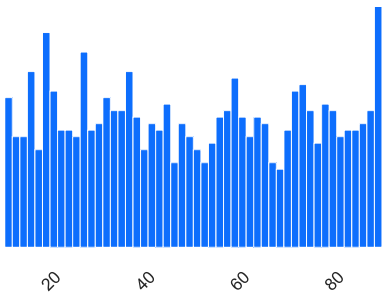
More details

join_date
Date

Distinct	867
Distinct (%)	86.7%
Missing	0
Missing (%)	0.0%
Memory size	7.9 KiB

Minimum	2016-01-07 00:00:00
Maximum	2024-12-31 00:00:00
Invalid dates	0
Invalid dates (%)	0.0%

2017-07-14 08:10:00   2020-09-13 17:56:40   2023-11-15 03:43:20
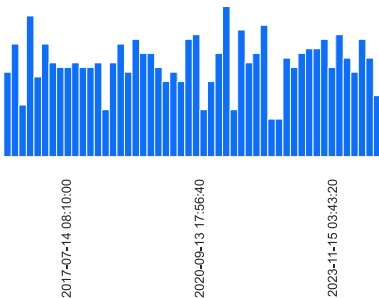
More details

default_flag
Categorical

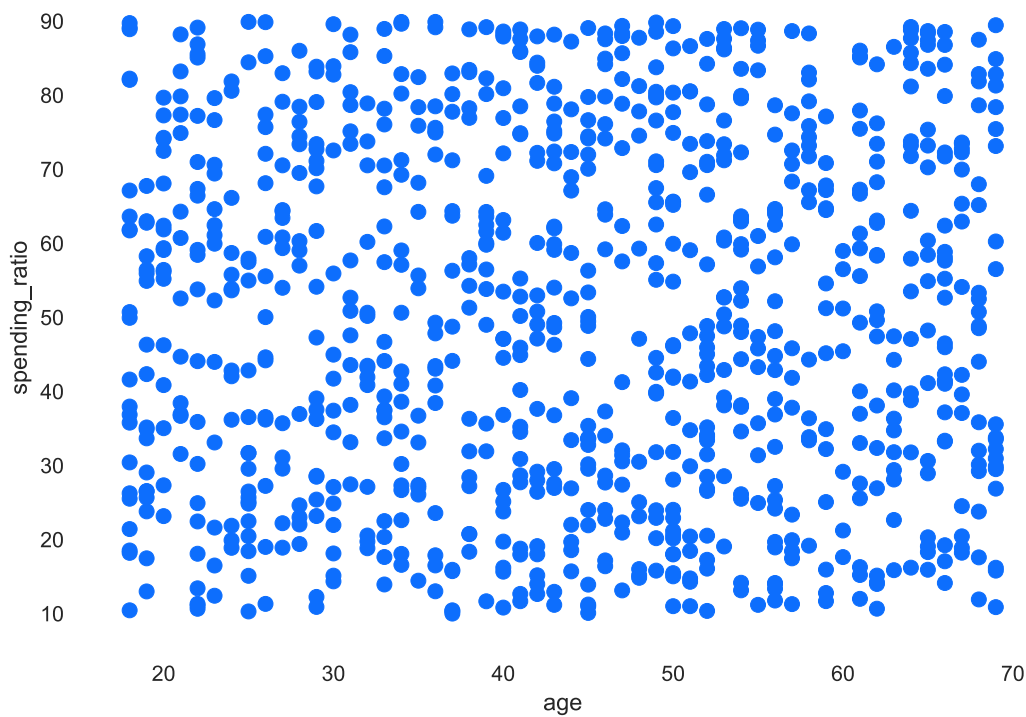| Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	56.8 KiB

0	822
1	178
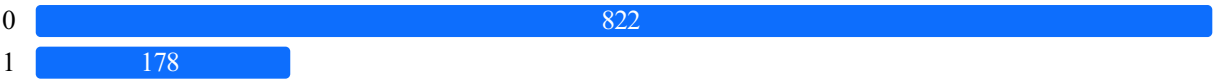
More details

Interactions
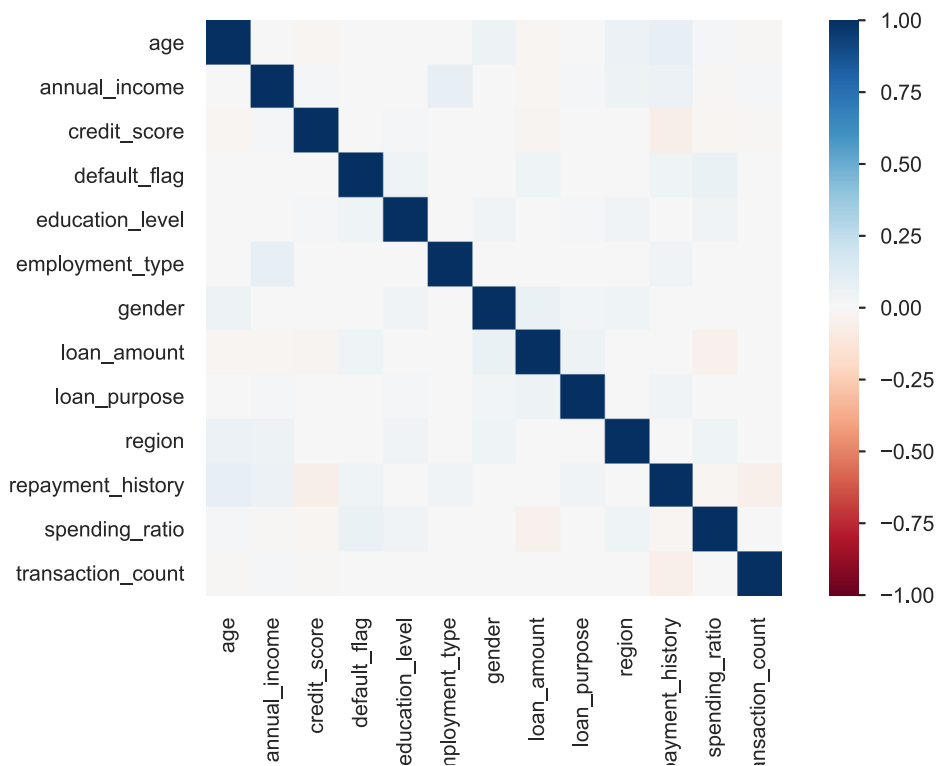
age
annual_income
loan_amount
credit_score
repayment_history
transaction_count
spending_ratio
spending_ratio
age
annual_income
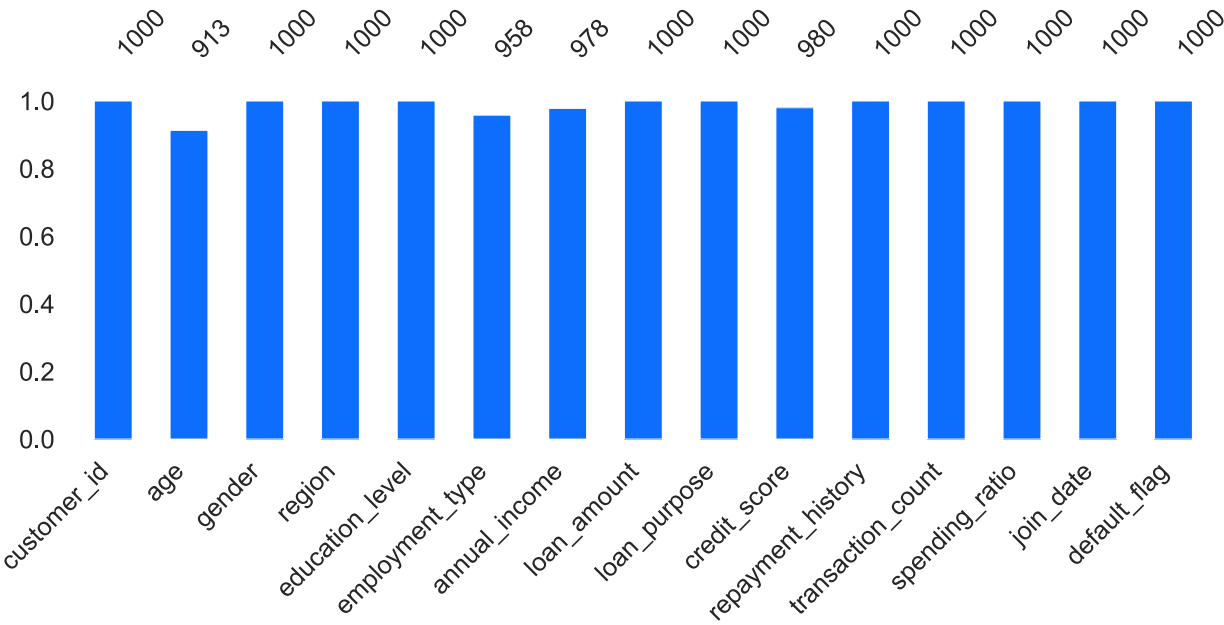loan_amount
credit_score

repayment_history
transaction_count

Correlations

Auto
Heatmap
Table

Missing values

Count
Matrix

Matrix

Heatmap

A simple visualization of nullity by column.

Sample

First rows

Last rows

	customer_id	age	gender	region	education_level	employment_type	annual_income	loan_amount	loan_purpose	cred
0	CUST1000	56.0	Female	North	Secondary	Salaried	2273654.0	1390573	Other	507.
1	CUST1001	69.0	Male	North	Post-Graduate	Self-Employed	655425.0	579308	Business	635.
2	CUST1002	46.0	Female	South	Graduate	Self-Employed	227032.0	166149	Business	512.
3	CUST1003	32.0	Male	North	Secondary	Self-Employed	688986.0	1443119	Car	520.
4	CUST1004	60.0	Male	South	Primary	Salaried	512206.0	303958	Home	443.
5	CUST1005	25.0	Male	West	Graduate	Salaried	314318.0	303497	Car	339.
6	CUST1006	38.0	Male	East	Graduate	Self-Employed	2260943.0	407218	Car	307.
7	CUST1007	56.0	Male	East	Secondary	Salaried	1345197.0	80755	Car	792.
8	CUST1008	36.0	Male	North	Graduate	Salaried	134745.0	1377921	Car	544.
9	CUST1009	40.0	Female	South	Post-Graduate	NaN	462811.0	362548	Business	316.