



# Overview

Overview

Alerts

Reproduction

Dataset statistics

Number of variables	15
Number of observations	1000
Missing cells	527
Missing cells (%)	3.5%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	442.8 KiB
Average record size in memory	453.4 B

Variable types

Numeric	8
Categorical	6
Date Time	1

# Variables

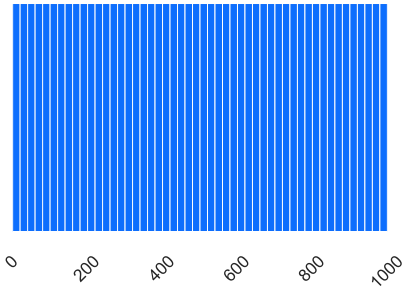
Select Columns

customer\_id

Real number (R)

Distinct	1000
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	500.5

Minimum	1
Maximum	1000
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB

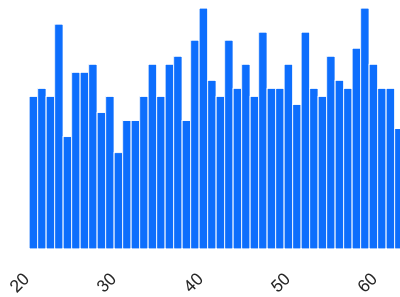


More details

age  
Real number ( $\mathbb{R}$ )  
Missing

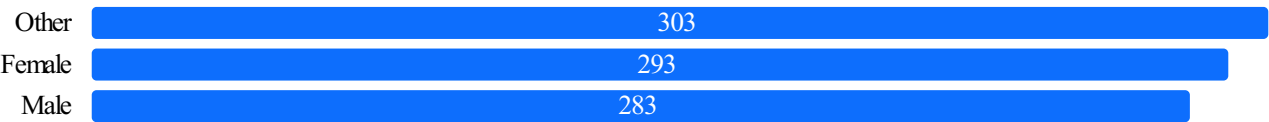
Distinct	44
Distinct (%)	4.7%
Missing	73
Missing (%)	7.3%
Infinite	0
Infinite (%)	0.0%
Mean	42.987055

Minimum	21
Maximum	64
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB

[More details](#)

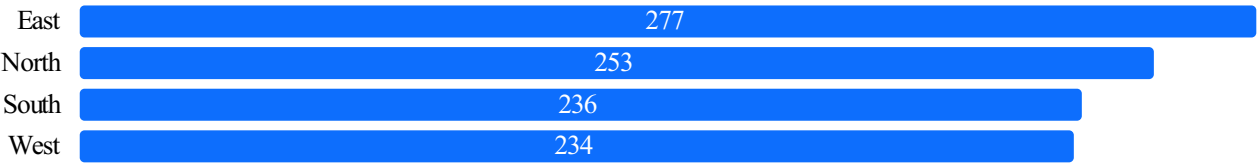
gender  
Categorical  
Missing

Distinct	3
Distinct (%)	0.3%
Missing	121
Missing (%)	12.1%
Memory size	60.9 KiB

[More details](#)

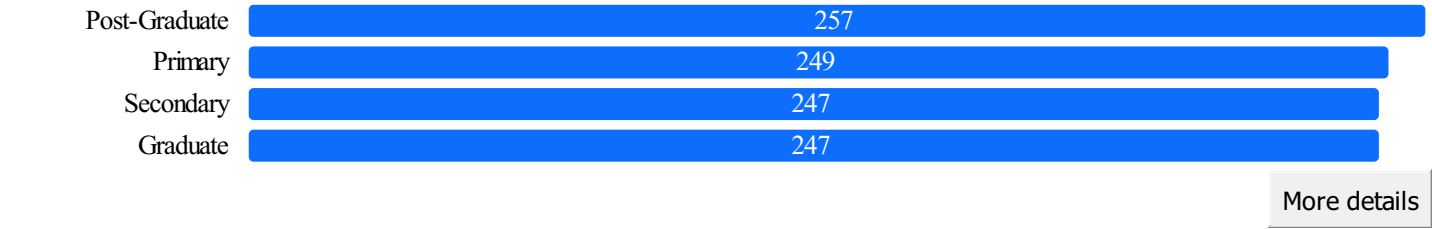
region  
Categorical

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

[More details](#)

education\_level  
Categorical

Distinct	4
Distinct (%)	0.4%
Missing	0
Missing (%)	0.0%
Memory size	64.9 KiB

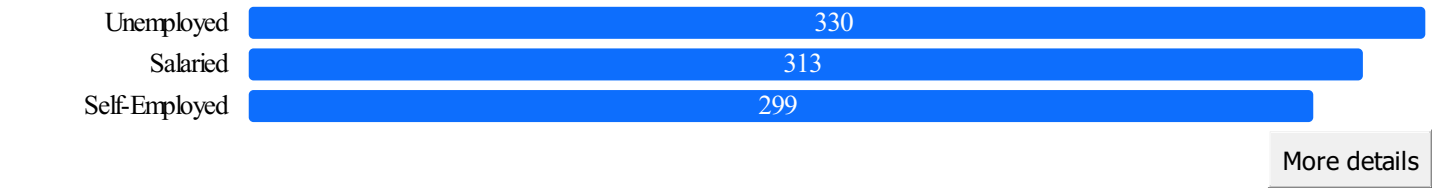


employment\_type

Categorical

Missing

Distinct	3
Distinct (%)	0.3%
Missing	58
Missing (%)	5.8%
Memory size	65.7 KiB



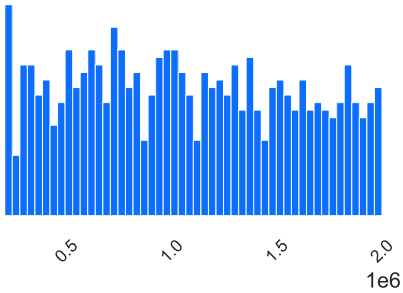
annual\_income

Real number (R)

Missing

Distinct	854
Distinct (%)	100.0%
Missing	146
Missing (%)	14.6%
Infinite	0
Infinite (%)	0.0%
Mean	1063507.8

Minimum	203151
Maximum	1997078
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB

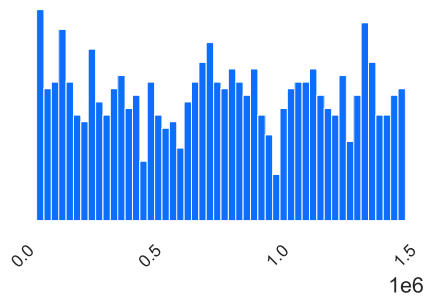


More details

loan\_amount  
Real number (ℝ)  
Missing

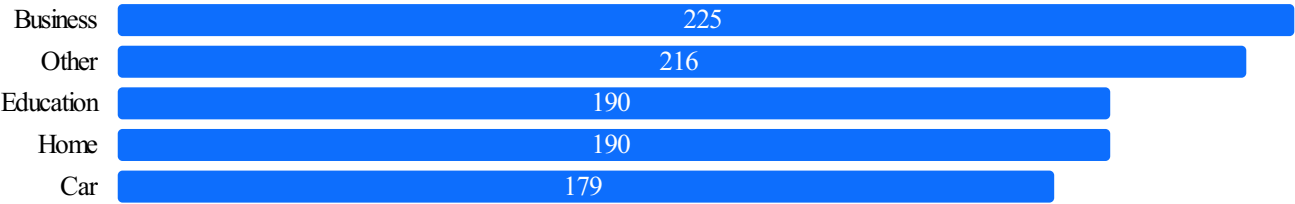
Distinct	963
Distinct (%)	100.0%
Missing	37
Missing (%)	3.7%
Infinite	0
Infinite (%)	0.0%
Mean	763989.04

Minimum	51561
Maximum	1499367
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB

[More details](#)

loan\_purpose  
Categorical

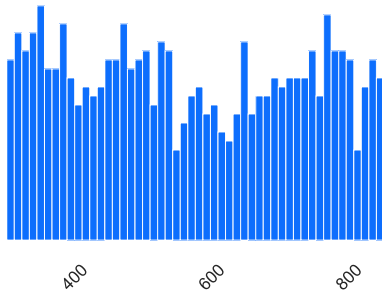
Distinct	5
Distinct (%)	0.5%
Missing	0
Missing (%)	0.0%
Memory size	61.5 KiB

[More details](#)

credit\_score  
Real number (ℝ)  
Missing

Distinct	443
Distinct (%)	48.8%
Missing	92
Missing (%)	9.2%
Infinite	0
Infinite (%)	0.0%
Mean	566.17401

Minimum	300
Maximum	850
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB

[More details](#)

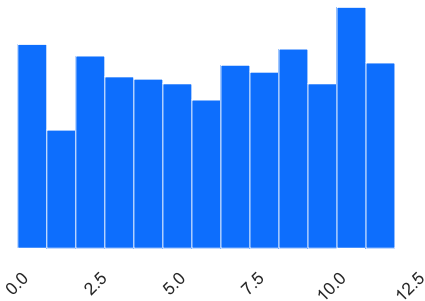
repayment\_history

Real number ( $\mathbb{R}$ )

Zeros

Distinct	13
Distinct (%)	1.3%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	6.219

Minimum	0
Maximum	12
Zeros	88
Zeros (%)	8.8%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB

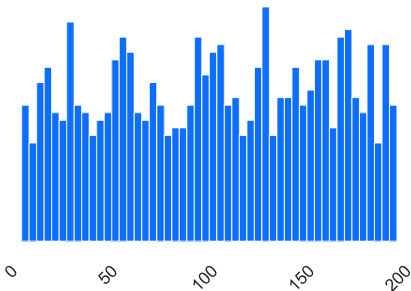
[More details](#)

transaction\_count

Real number ( $\mathbb{R}$ )

Distinct	195
Distinct (%)	19.5%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	104.422

Minimum	5
Maximum	199
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB



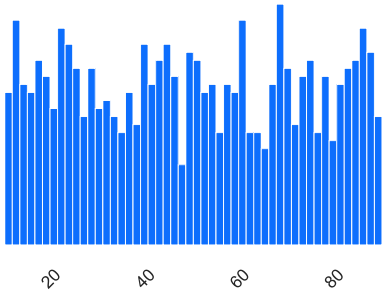
More details

spending\_ratio

Real number (R)

Distinct	937
Distinct (%)	93.7%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	49.7026

Minimum	10.04
Maximum	89.95
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB

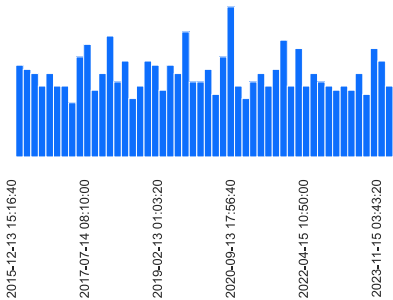


More details

join\_date  
Date

Distinct	844
Distinct (%)	84.4%
Missing	0
Missing (%)	0.0%
Memory size	7.9 KiB

Minimum	2016-01-08 00:00:00
Maximum	2024-03-16 00:00:00
Invalid dates	0
Invalid dates (%)	0.0%



More details

default\_flag  
Categorical

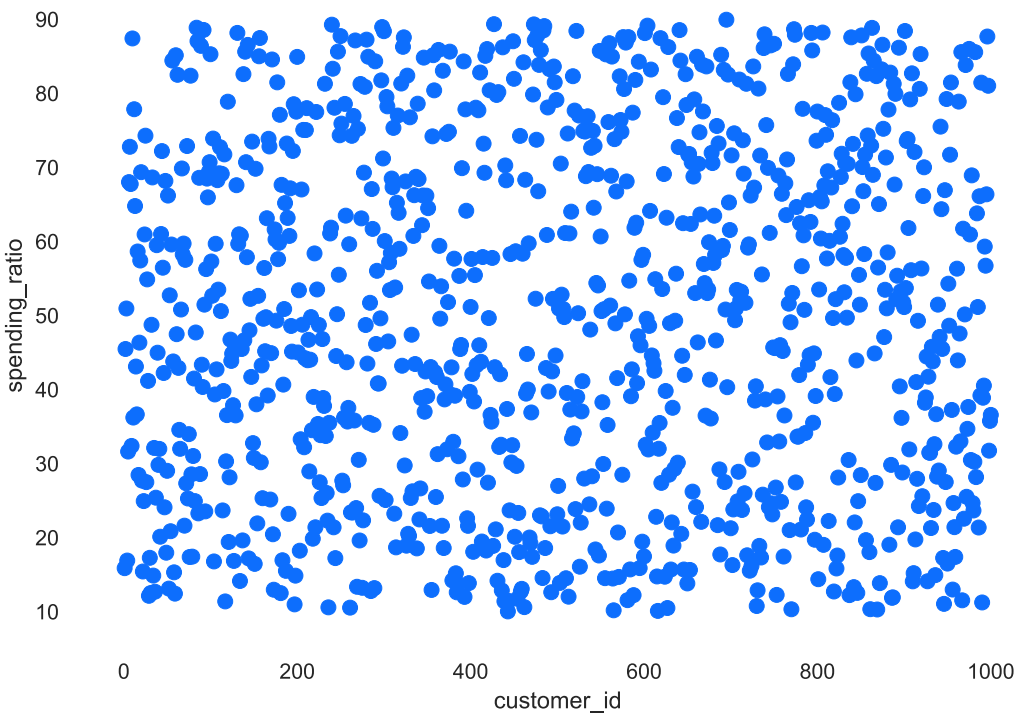
Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	56.8 KiB



More details

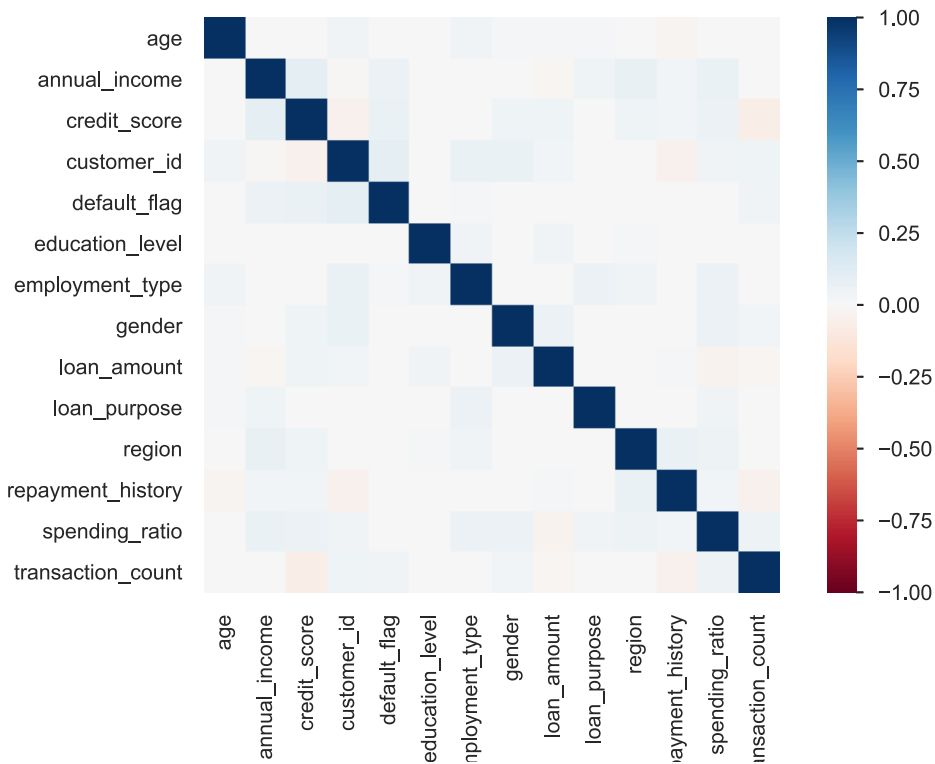
## Interactions

customer\_id  
age  
annual\_income  
loan\_amount  
credit\_score  
repayment\_history  
transaction\_count  
spending\_ratio  
spending\_ratio  
customer\_id  
age  
annual\_income  
loan\_amount  
credit\_score  
repayment\_history  
transaction\_count



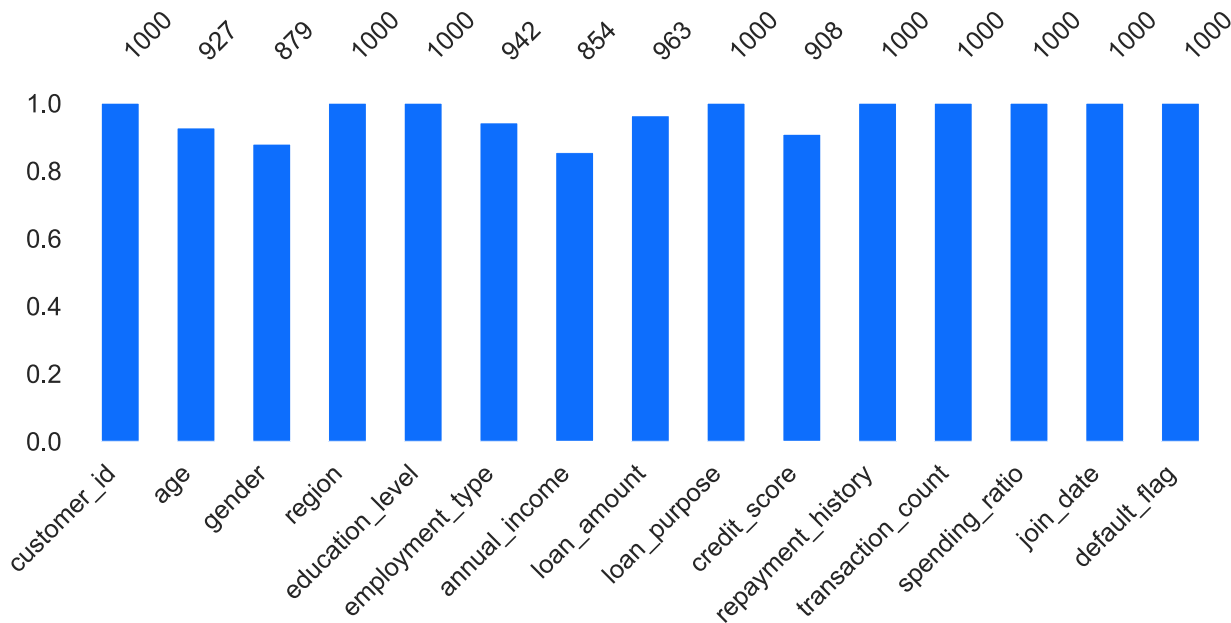
## Correlations

Auto  
Heatmap  
Table



## Missing values

Count  
Matrix  
Heatmap



A simple visualization of nullity by column.

## Sample

First rows  
Last rows

Last 10 rows

	customer_id	age	gender	region	education_level	employment_type	annual_income	loan_amount	loan_purpose	credit_score
0	1	23.0	NaN	East	Secondary	Unemployed	210064.0	910751.0	Education	380
1	2	49.0	Other	North	Secondary	Salaried	1196004.0	108369.0	Car	540
2	3	55.0	Female	West	Primary	Unemployed	NaN	1139110.0	Other	576
3	4	59.0	Female	West	Secondary	Unemployed	1189361.0	340698.0	Home	691
4	5	38.0	Other	North	Primary	Unemployed	1191859.0	296844.0	Education	NaN
5	6	40.0	Male	South	Post-Graduate	Self-Employed	316313.0	779757.0	Business	767
6	7	63.0	Male	East	Secondary	Unemployed	1635500.0	NaN	Education	797
7	8	NaN	Other	South	Primary	Salaried	893411.0	684570.0	Other	NaN
8	9	54.0	Female	East	Secondary	Salaried	597158.0	147909.0	Education	785
9	10	53.0	Male	East	Post-Graduate	Self-Employed	1499975.0	1208980.0	Home	794