

# Overview

Overview

Alerts 36

Reproduction

## Dataset statistics

Number of variables	24
Number of observations	1001
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	187.8 KiB
Average record size in memory	192.1 B

## Variable types

Numeric	21
Categorical	3

# Variables

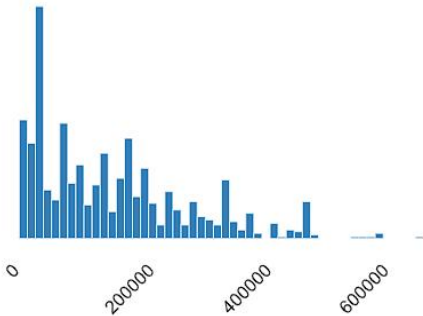
Select Columns ▾

## LIMIT\_BAL

Real number (ℝ)

Distinct	56
Distinct (%)	5.6%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	167532.47

Minimum	10000
Maximum	700000
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB



More details

More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

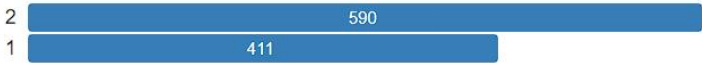
Minimum	10000
5-th percentile	20000
Q1	50000
median	140000
Q3	240000
95-th percentile	420000
Maximum	700000
Range	690000
Interquartile range (IQR)	190000

Descriptive statistics

Standard deviation	130587.92
Coefficient of variation (CV)	0.77947829
Kurtosis	0.54433431
Mean	167532.47
Median Absolute Deviation (MAD)	90000
Skewness	1.0110186
Sum	$1.677 \times 10^8$
Variance	$1.7053205 \times 10^{10}$
Monotonicity	Not monotonic

SEX  
Categorical

Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	7.9 KiB



More details

OverviewCategoriesWordsCharacters

Length

Max length	1
Median length	1
Mean length	1
Min length	1

Characters and Unicode

Total characters	1001
Distinct characters	2
Distinct categories	1 ?
Distinct scripts	1 ?
Distinct blocks	1 ?

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

Unique

Unique	0 ?
Unique (%)	0.0%

Sample

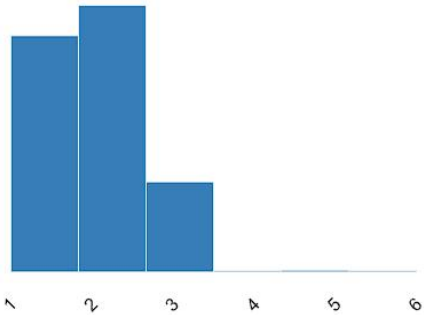
1st row	1
2nd row	1
3rd row	1
4th row	2
5th row	2

EDUCATION

Real number (ℝ)

Distinct	6
Distinct (%)	0.6%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	1.7762238

Minimum	1
Maximum	6
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	1
5-th percentile	1
Q1	1
median	2
Q3	2
95-th percentile	3

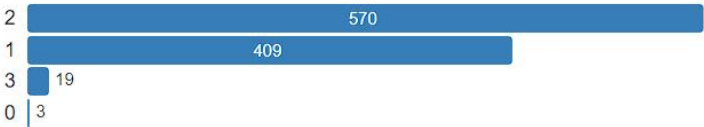
Descriptive statistics

Standard deviation	0.75091553
Coefficient of variation (CV)	0.42275953
Kurtosis	1.7150332
Mean	1.7762238
Median Absolute Deviation (MAD)	1
Skewness	0.8750189

MARRIAGE

Categorical

Distinct	4
Distinct (%)	0.4%
Missing	0
Missing (%)	0.0%
Memory size	7.9 KiB



More details

OverviewCategoriesWordsCharacters

Length

Max length	1
Median length	1
Mean length	1
Min length	1

Characters and Unicode

Total characters	1001
Distinct characters	4
Distinct categories	1 ?
Distinct scripts	1 ?
Distinct blocks	1 ?

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

Unique

Unique	0 ?
Unique (%)	0.0%

Sample

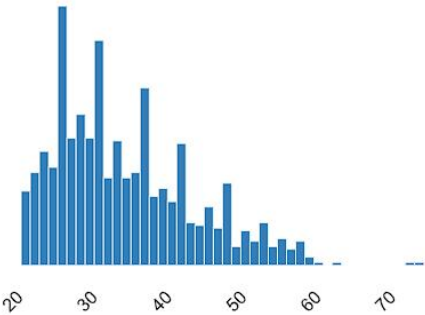
1st row	1
2nd row	2
3rd row	2
4th row	2
5th row	1

AGE

Real number (ℝ)

Distinct	44
Distinct (%)	4.4%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	34.945055

Minimum	21
Maximum	75
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	21
5-th percentile	23
Q1	28
median	33
Q3	41
95-th percentile	53

Descriptive statistics

Standard deviation	9.2197602
Coefficient of variation (CV)	0.2638359
Kurtosis	0.23723143
Mean	34.945055
Median Absolute Deviation (MAD)	6
Skewness	0.81757011

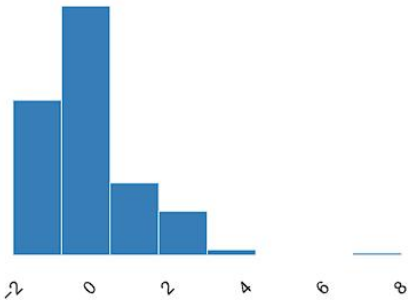
PAY\_0

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	8
Distinct (%)	0.8%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	-0.004995005

Minimum	-2
Maximum	8
Zeros	473
Zeros (%)	47.3%
Negative	294
Negative (%)	29.4%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-2
5-th percentile	-2
Q1	-1
median	0
Q3	0

Descriptive statistics

Standard deviation	1.1734458
Coefficient of variation (CV)	-234.92385
Kurtosis	8.0809239
Mean	-0.004995005
Median Absolute Deviation (MAD)	1



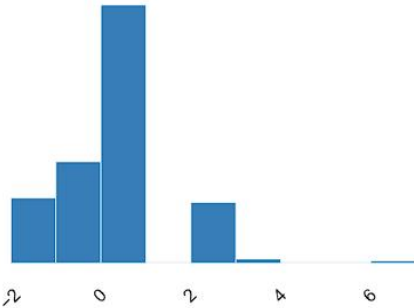
PAY\_2

Real number (R)

HIGH CORRELATIONZEROS

Distinct	9
Distinct (%)	0.9%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	-0.16183816

Minimum	-2
Maximum	7
Zeros	525
Zeros (%)	52.4%
Negative	338
Negative (%)	33.8%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-2
5-th percentile	-2
Q1	-1
median	0
Q3	0

Descriptive statistics

Standard deviation	1.228732
Coefficient of variation (CV)	-7.5923499
Kurtosis	4.3306832
Mean	-0.16183816
Median Absolute Deviation (MAD)	0

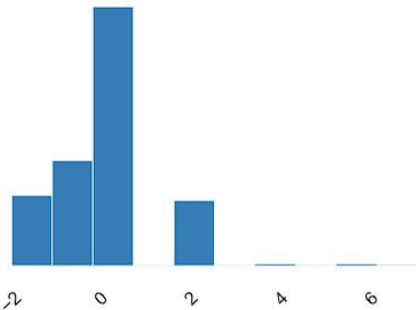
PAY\_3

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	10
Distinct (%)	1.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	-0.16483516

Minimum	-2
Maximum	7
Zeros	512
Zeros (%)	51.1%
Negative	347
Negative (%)	34.7%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-2
5-th percentile	-2
Q1	-1
median	0
Q3	0

Descriptive statistics

Standard deviation	1.2624588
Coefficient of variation (CV)	-7.6589167
Kurtosis	3.9520619
Mean	-0.16483516
Median Absolute Deviation (MAD)	0

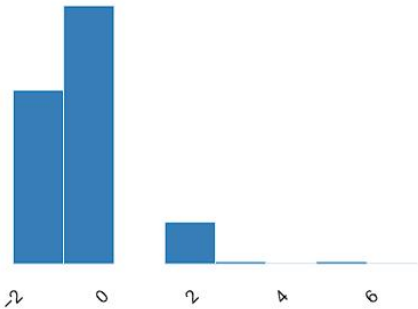
PAY\_4

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	8
Distinct (%)	0.8%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	-0.28371628

Minimum	-2
Maximum	7
Zeros	538
Zeros (%)	53.7%
Negative	362
Negative (%)	36.2%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-2
5-th percentile	-2
Q1	-1
median	0
Q3	0

Descriptive statistics

Standard deviation	1.1846622
Coefficient of variation (CV)	-4.1755172
Kurtosis	4.4357101
Mean	-0.28371628
Median Absolute Deviation (MAD)	0

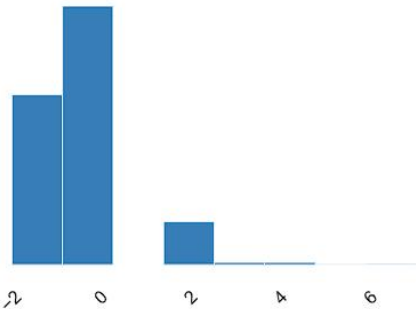
PAY\_5

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	8
Distinct (%)	0.8%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	-0.28371628

Minimum	-2
Maximum	7
Zeros	542
Zeros (%)	54.1%
Negative	356
Negative (%)	35.6%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-2
5-th percentile	-2
Q1	-1
median	0
Q3	0

Descriptive statistics

Standard deviation	1.1702242
Coefficient of variation (CV)	-4.1246281
Kurtosis	3.7404585
Mean	-0.28371628
Median Absolute Deviation (MAD)	0

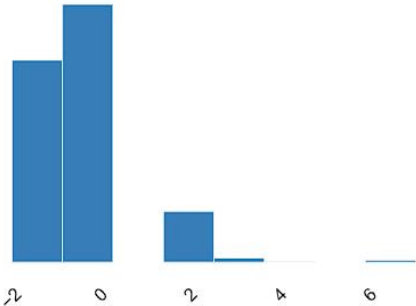
PAY\_6

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	8
Distinct (%)	0.8%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	-0.31468531

Minimum	-2
Maximum	7
Zeros	499
Zeros (%)	49.9%
Negative	391
Negative (%)	39.1%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-2
5-th percentile	-2
Q1	-1
median	0
Q3	0

Descriptive statistics

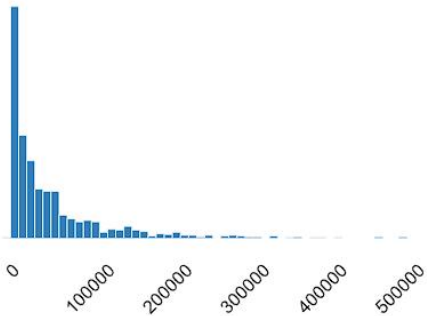
Standard deviation	1.2032764
Coefficient of variation (CV)	-3.823745
Kurtosis	3.3288878
Mean	-0.31468531
Median Absolute Deviation (MAD)	1

BILL\_AMT1

Real number ( $\mathbb{R}$ )

HIGH CORRELATIONZEROS

Distinct	904	Minimum	-14386
Distinct (%)	90.3%	Maximum	507726
Missing	0	Zeros	75
Missing (%)	0.0%	Zeros (%)	7.5%
Infinite	0	Negative	22
Infinite (%)	0.0%	Negative (%)	2.2%
Mean	49386.738	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-14386
5-th percentile	0
Q1	3128
median	21075
Q3	59901

Descriptive statistics

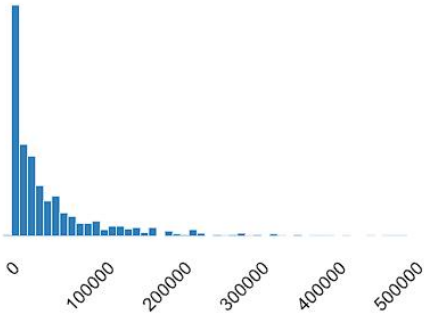
Standard deviation	72657.966
Coefficient of variation (CV)	1.471204
Kurtosis	8.9708107
Mean	49386.738
Median Absolute Deviation (MAD)	20679

BILL\_AMT2

Real number (ℝ)

HIGH..CORRELATIONZEROS

Distinct	875	Minimum	-13543
Distinct (%)	87.4%	Maximum	509229
Missing	0	Zeros	100
Missing (%)	0.0%	Zeros (%)	10.0%
Infinite	0	Negative	24
Infinite (%)	0.0%	Negative (%)	2.4%
Mean	47879.346	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-13543
5-th percentile	0
Q1	3274
median	20400
Q3	58472

Descriptive statistics

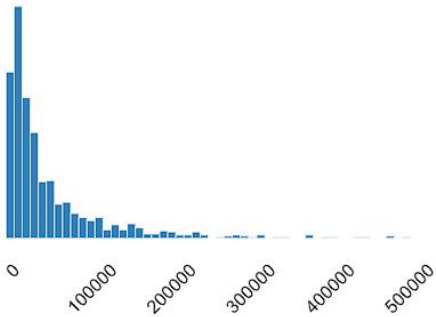
Standard deviation	72090.718
Coefficient of variation (CV)	1.5056747
Kurtosis	9.6830793
Mean	47879.346
Median Absolute Deviation (MAD)	20084

BILL\_AMT3

Real number (R)

HIGH..CORRELATIONZEROS

Distinct	863	Minimum	-9850
Distinct (%)	86.2%	Maximum	499936
Missing	0	Zeros	113
Missing (%)	0.0%	Zeros (%)	11.3%
Infinite	0	Negative	22
Infinite (%)	0.0%	Negative (%)	2.2%
Mean	44925.682	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-9850
5-th percentile	0
Q1	1940
median	19292
Q3	54477

Descriptive statistics

Standard deviation	69545.948
Coefficient of variation (CV)	1.5480221
Kurtosis	10.630694
Mean	44925.682
Median Absolute Deviation (MAD)	18902

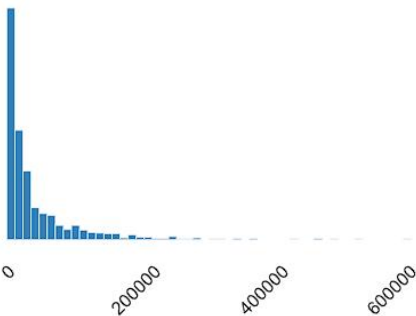


BILL\_AMT4

Real number (ℝ)

HIGH CORRELATION ZEROS

Distinct	846	Minimum	-3684
Distinct (%)	84.5%	Maximum	628699
Missing	0	Zeros	131
Missing (%)	0.0%	Zeros (%)	13.1%
Infinite	0	Negative	22
Infinite (%)	0.0%	Negative (%)	2.2%
Mean	40748.409	Memory size	7.9 KiB



More details

Statistics Histogram Common values Extreme values

Quantile statistics

Minimum	-3684
5-th percentile	0
Q1	1423
median	17710
Q3	48851

Descriptive statistics

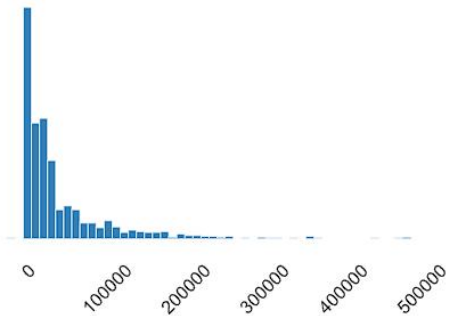
Standard deviation	68206.93
Coefficient of variation (CV)	1.6738551
Kurtosis	17.864868
Mean	40748.409
Median Absolute Deviation (MAD)	17314

BILL\_AMT5

Real number (₹)

HIGH CORRELATIONZEROS

Distinct	833	Minimum	-28335
Distinct (%)	83.2%	Maximum	484612
Missing	0	Zeros	138
Missing (%)	0.0%	Zeros (%)	13.8%
Infinite	0	Negative	26
Infinite (%)	0.0%	Negative (%)	2.6%
Mean	39078.666	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-28335
5-th percentile	0
Q1	1206
median	17580
Q3	46404

Descriptive statistics

Standard deviation	63108.239
Coefficient of variation (CV)	1.6149026
Kurtosis	12.846901
Mean	39078.666
Median Absolute Deviation (MAD)	17183

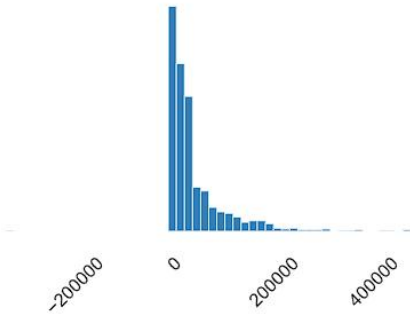
BILL\_AMT6

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	821
Distinct (%)	82.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	38012.012

Minimum	-339603
Maximum	473944
Zeros	155
Zeros (%)	15.5%
Negative	18
Negative (%)	1.8%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	-339603
5-th percentile	0
Q1	830
median	15846
Q3	46557

Descriptive statistics

Standard deviation	63074.415
Coefficient of variation (CV)	1.6593285
Kurtosis	12.168596
Mean	38012.012
Median Absolute Deviation (MAD)	15646

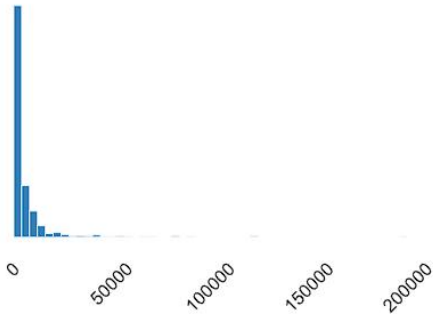
PAY\_AMT1

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	522
Distinct (%)	52.1%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	5382.3397

Minimum	0
Maximum	199646
Zeros	183
Zeros (%)	18.3%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	0
5-th percentile	0
Q1	1000
median	2184
Q3	5090

Descriptive statistics

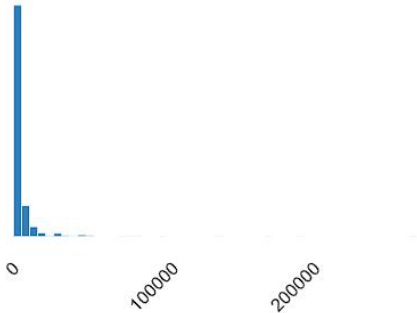
Standard deviation	12180.755
Coefficient of variation (CV)	2.2630967
Kurtosis	88.348075
Mean	5382.3397
Median Absolute Deviation (MAD)	1944

PAY\_AMT2

Real number (₹)

HIGH CORRELATIONZEROS

Distinct	520	Minimum	0
Distinct (%)	51.9%	Maximum	285138
Missing	0	Zeros	205
Missing (%)	0.0%	Zeros (%)	20.5%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	5051.4006	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	0
5-th percentile	0
Q1	390
median	1710
Q3	4500

Descriptive statistics

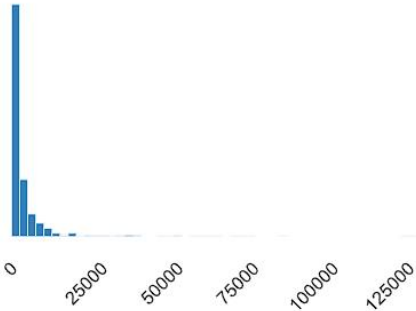
Standard deviation	15626.153
Coefficient of variation (CV)	3.0934298
Kurtosis	151.07827
Mean	5051.4006
Median Absolute Deviation (MAD)	1710

PAY\_AMT3

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	496	Minimum	0
Distinct (%)	49.6%	Maximum	133657
Missing	0	Zeros	225
Missing (%)	0.0%	Zeros (%)	22.5%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	4176.1499	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	0
5-th percentile	0
Q1	228
median	1206
Q3	3720

Descriptive statistics

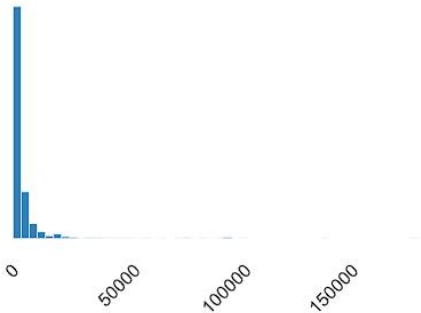
Standard deviation	10514.648
Coefficient of variation (CV)	2.517785
Kurtosis	59.690678
Mean	4176.1499
Median Absolute Deviation (MAD)	1206

PAY\_AMT4

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	482	Minimum	0
Distinct (%)	48.2%	Maximum	188840
Missing	0	Zeros	233
Missing (%)	0.0%	Zeros (%)	23.3%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	4671.4885	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	0
5-th percentile	0
Q1	148
median	1398
Q3	4000

Descriptive statistics

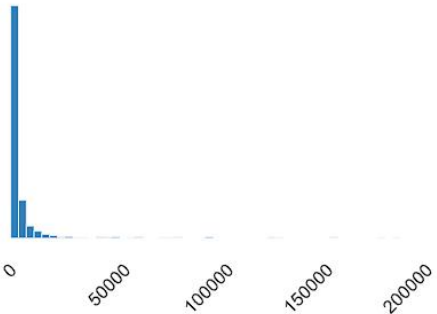
Standard deviation	13269.944
Coefficient of variation (CV)	2.8406243
Kurtosis	70.527373
Mean	4671.4885
Median Absolute Deviation (MAD)	1398

PAY\_AMT5

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	480	Minimum	0
Distinct (%)	48.0%	Maximum	195599
Missing	0	Zeros	237
Missing (%)	0.0%	Zeros (%)	23.7%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	5331.05	Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	0
5-th percentile	0
Q1	189
median	1306
Q3	3745

Descriptive statistics

Standard deviation	16812.537
Coefficient of variation (CV)	3.1537009
Kurtosis	58.238593
Mean	5331.05
Median Absolute Deviation (MAD)	1306



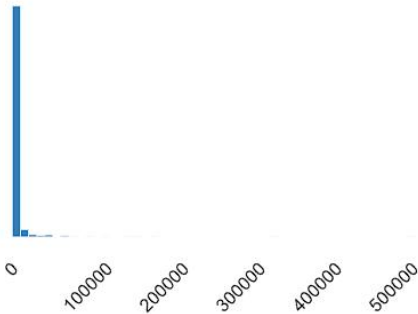
PAY\_AMT6

Real number (ℝ)

HIGH CORRELATIONZEROS

Distinct	436
Distinct (%)	43.6%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	5090.7043

Minimum	0
Maximum	528666
Zeros	275
Zeros (%)	27.5%
Negative	0
Negative (%)	0.0%
Memory size	7.9 KiB



More details

StatisticsHistogramCommon valuesExtreme values

Quantile statistics

Minimum	0
5-th percentile	0
Q1	0
median	1250
Q3	3784

Descriptive statistics

Standard deviation	23658.888
Coefficient of variation (CV)	4.6474685
Kurtosis	289.91556
Mean	5090.7043
Median Absolute Deviation (MAD)	1250

default payment next month

Categorical

Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	7.9 KiB



More details

Overview

Categories

Words

Characters

Length

Max length	1
Median length	1
Mean length	1
Min length	1

Characters and Unicode

Total characters	1001
Distinct characters	2
Distinct categories	1 ?
Distinct scripts	1 ?
Distinct blocks	1 ?

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

Unique

Unique	0 ?
Unique (%)	0.0%

Sample

1st row	0
2nd row	0
3rd row	0
4th row	0
5th row	0

default payment next month

Categorical

Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	7.9 KiB



More details

Overview

Categories

Words

Characters

Length

Max length	1
Median length	1
Mean length	1
Min length	1

Characters and Unicode

Total characters	1001
Distinct characters	2
Distinct categories	1 ?
Distinct scripts	1 ?
Distinct blocks	1 ?

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

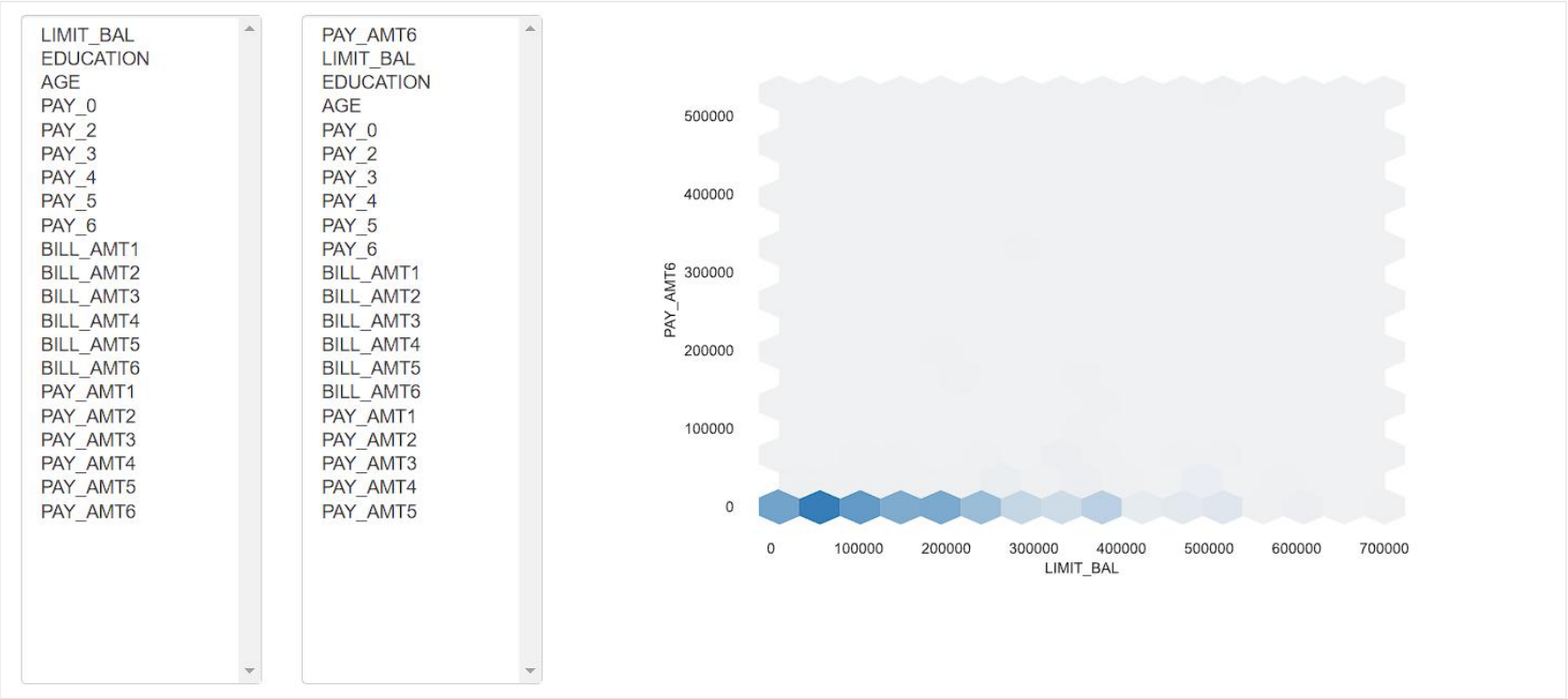
Unique

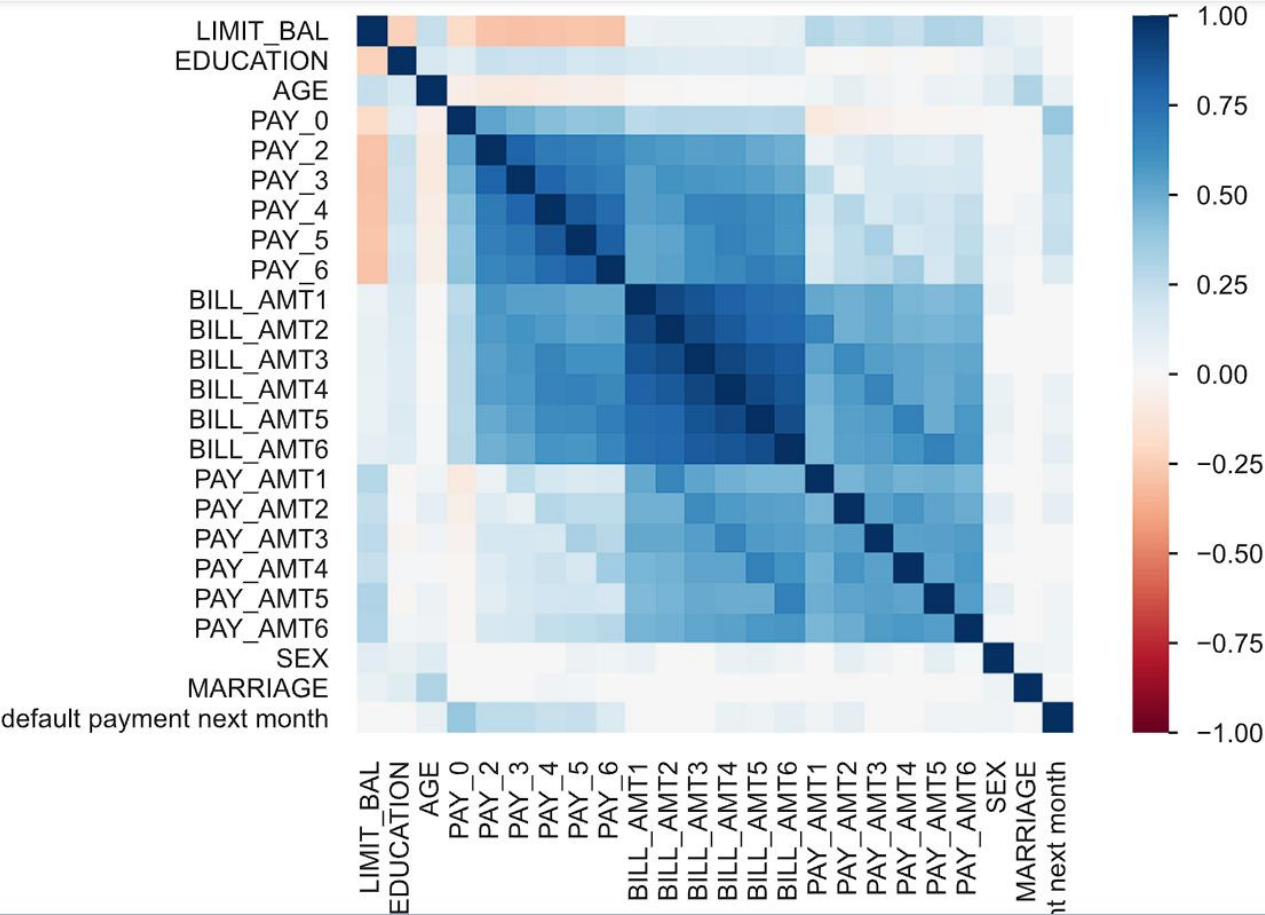
Unique	0 ?
Unique (%)	0.0%

Sample

1st row	0
2nd row	0
3rd row	0
4th row	0
5th row	0

# Interactions

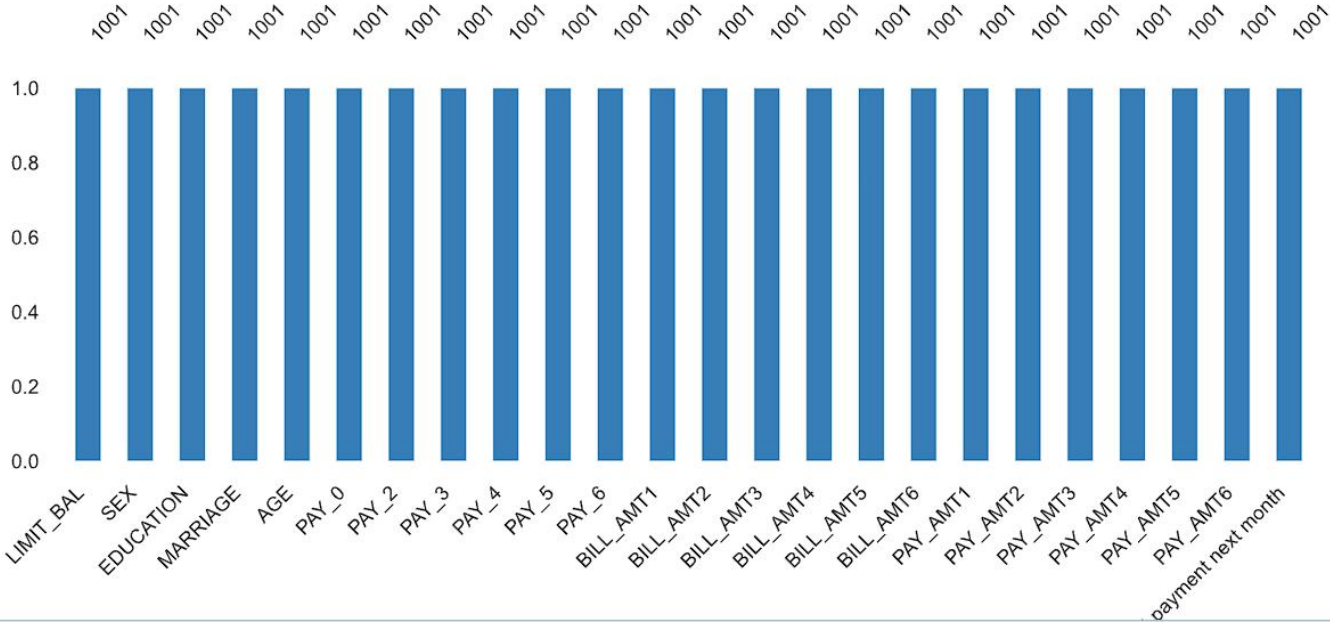




# Missing values

Count

Matrix



# Sample

First rows

Last rows

	LIMIT_BAL	SEX	EDUCATION	MARRIAGE	AGE	PAY_0	PAY_2	PAY_3	PAY_4	PAY_5	PAY_6	BILL_AMT1	BILL_AMT2	BILL_AMT3	BILL_AI
0	50000	1	2	1	57	-1	0	-1	0	0	0	8617	5670	35835	20940
1	50000	1	1	2	37	0	0	0	0	0	0	64400	57069	57608	19394
2	500000	1	1	2	29	0	0	0	0	0	0	367965	412023	445007	542653
3	100000	2	2	2	23	0	-1	-1	0	0	-1	11876	380	601	221
4	140000	2	3	1	28	0	0	2	0	0	0	11285	14096	12108	12211
5	20000	1	3	2	35	-2	-2	-2	-2	-1	-1	0	0	0	0
6	200000	2	3	2	34	0	0	2	0	0	-1	11073	9787	5535	2513
7	260000	2	1	2	51	-1	-1	-1	-1	-1	2	12261	21670	9966	8517
8	630000	2	2	2	41	-1	0	-1	-1	-1	-1	12137	6500	6500	6500
9	70000	1	2	2	30	1	2	2	0	0	2	65802	67369	65701	66782

