

Overview

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Overview

[Alerts](#) 9

[Reproduction](#)

Dataset statistics

Number of variables	15
Number of observations	32561
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	23
Duplicate rows (%)	0.1%
Total size in memory	19.9 MiB
Average record size in memory	640.3 B

Variable types

Numeric	6
Categorical	9

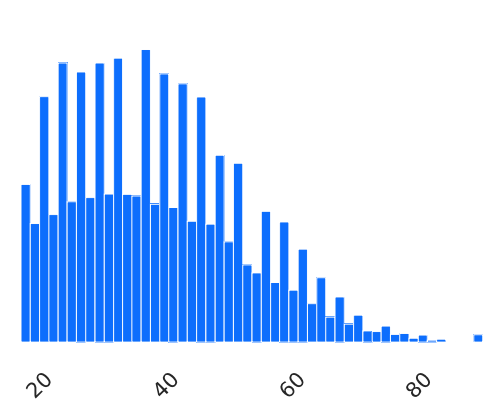
Variables

Select Columns

age

Real number (\mathbb{R})

Distinct	73	Minimum	17
Distinct (%)	0.2%	Maximum	90
Missing	0	Zeros	0
Missing (%)	0.0%	Zeros (%)	0.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	38.581647	Memory size	254.5 KiB



More details

workclass

Categorical

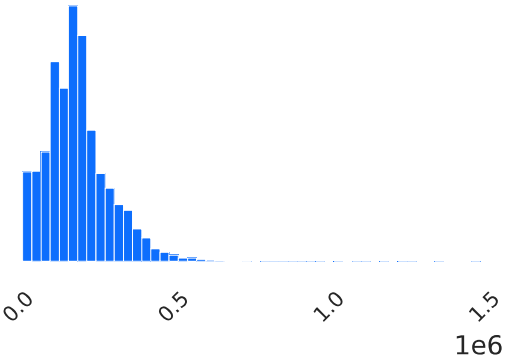
Distinct	9
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.0 MiB

Private	22696
Self-emp-n...	2541
Local-gov	2093
?	1836
State-gov	1298
Other valu...	2097

fnlwgt

Real number (ℝ)

Distinct	21648	Minimum	12285
Distinct (%)	66.5%	Maximum	1484705
Missing	0	Zeros	0
Missing (%)	0.0%	Zeros (%)	0.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	189778.37	Memory size	254.5 KiB



More details

education

Categorical

High correlation

Distinct	16
Distinct (%)	< 0.1%

HS-grad	10501
Some-colle...	7291
Bachelors	5355
Masters	1723

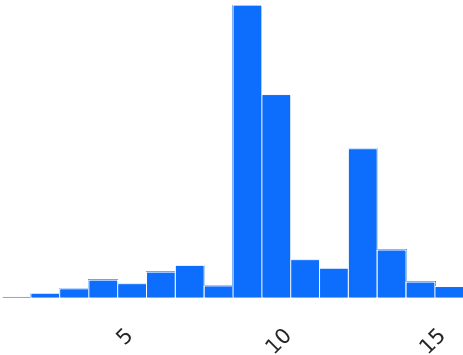
Missing	0	Assoc-voc	1382
Missing (%)	0.0%	Other valu...	6309
Memory size	2.0 MiB		
<div>More details</div>			

education-num

Real number (\mathbb{R})

High correlation

Distinct	16	Minimum	1
Distinct (%)	< 0.1%	Maximum	16
Missing	0	Zeros	0
Missing (%)	0.0%	Zeros (%)	0.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	10.080679	Memory size	254.5 KiB



More details

marital-status

Categorical

Distinct	7
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.2 MiB

Married-civ...	14976
Never-mar...	10683
Divorced	4443
Separated	1025
Widowed	993
Other valu...	441

More details

occupation

Categorical

Distinct	15
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 MiB

Prof-specia...	4140
Craft-repair	4099
Exec-mana...	4066
Adm-clerical	3770
Sales	3650
Other valu...	12836

More details

relationship

Categorical

High correlation

Distinct	6
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 MiB

Husband	13193
Not-in-fam...	8305
Own-child	5068
Unmarried	3446
Wife	1568

More details

race

Categorical

Imbalance

Distinct	5
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.9 MiB

White	27816
Black	3124
Asian-Pac-I...	1039
Amer-India...	311
Other	271

sex

Categorical

High correlation

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.9 MiB

Male	21790
Female	10771

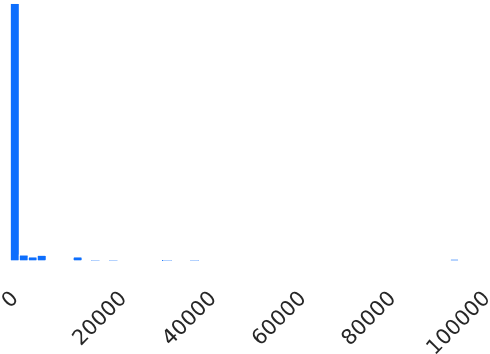
capital-gain

Real number (\mathbb{R})

Zeros

Distinct	119
Distinct (%)	0.4%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	1077.6488

Minimum	0
Maximum	99999
Zeros	29849
Zeros (%)	91.7%
Negative	0
Negative (%)	0.0%
Memory size	254.5 KiB



More details

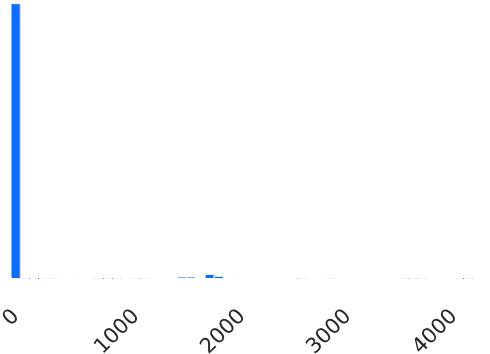
capital-loss

Real number (\mathbb{R})

Zeros

Distinct	92
Distinct (%)	0.3%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	87.30383

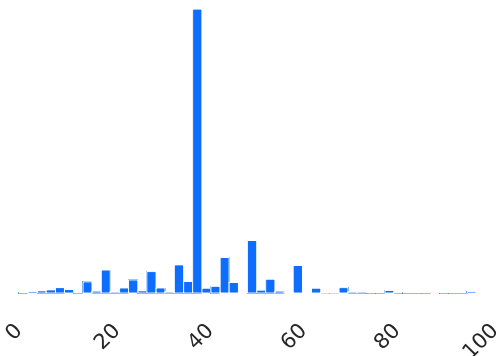
Minimum	0
Maximum	4356
Zeros	31042
Zeros (%)	95.3%
Negative	0
Negative (%)	0.0%
Memory size	254.5 KiB



hours-per-week

Real number (\mathbb{R})

Distinct	94	Minimum	1
Distinct (%)	0.3%	Maximum	99
Missing	0	Zeros	0
Missing (%)	0.0%	Zeros (%)	0.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%



Adult Dataset Profiling Report

native-country

Categorical

Imbalance

Distinct	42
Distinct (%)	0.1%

United-Stat...	29170
Mexico	643
?	583

Missing	0	Philippines	198
Missing (%)	0.0%	Germany	137
Memory size	2.2 MiB	Other valu...	1830

More details

income			
Categorical			
Distinct	2	<=50K	24720
Distinct (%)	< 0.1%	>50K	7841
Missing	0		
Missing (%)	0.0%		
Memory size	1.9 MiB		

More details

Interactions

age	fnlwgt	education-num	capital-gain	capital-loss	hours-per-week
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hours-per-week

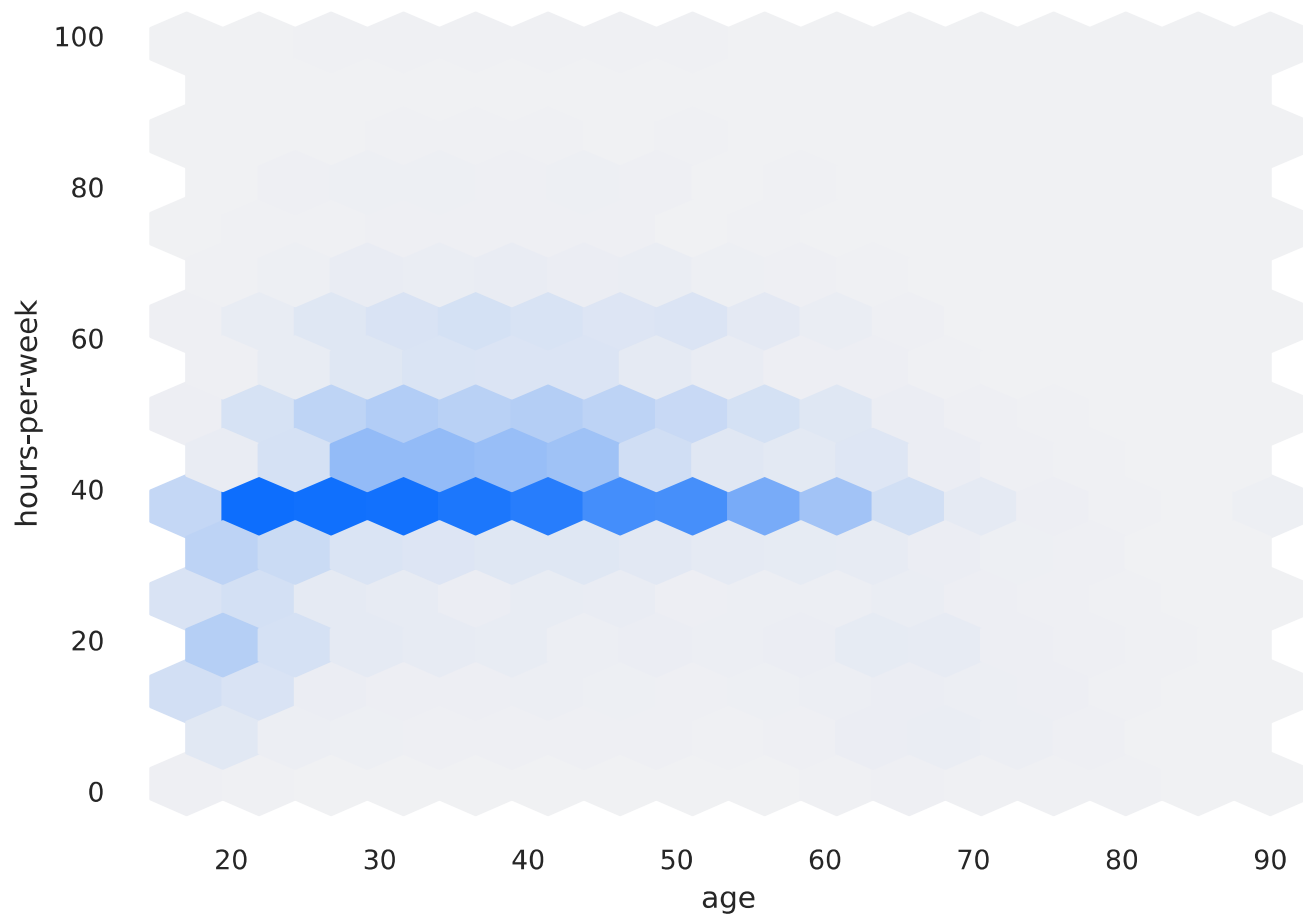
age

fnlwgt

education-num

capital-gain

capital-loss

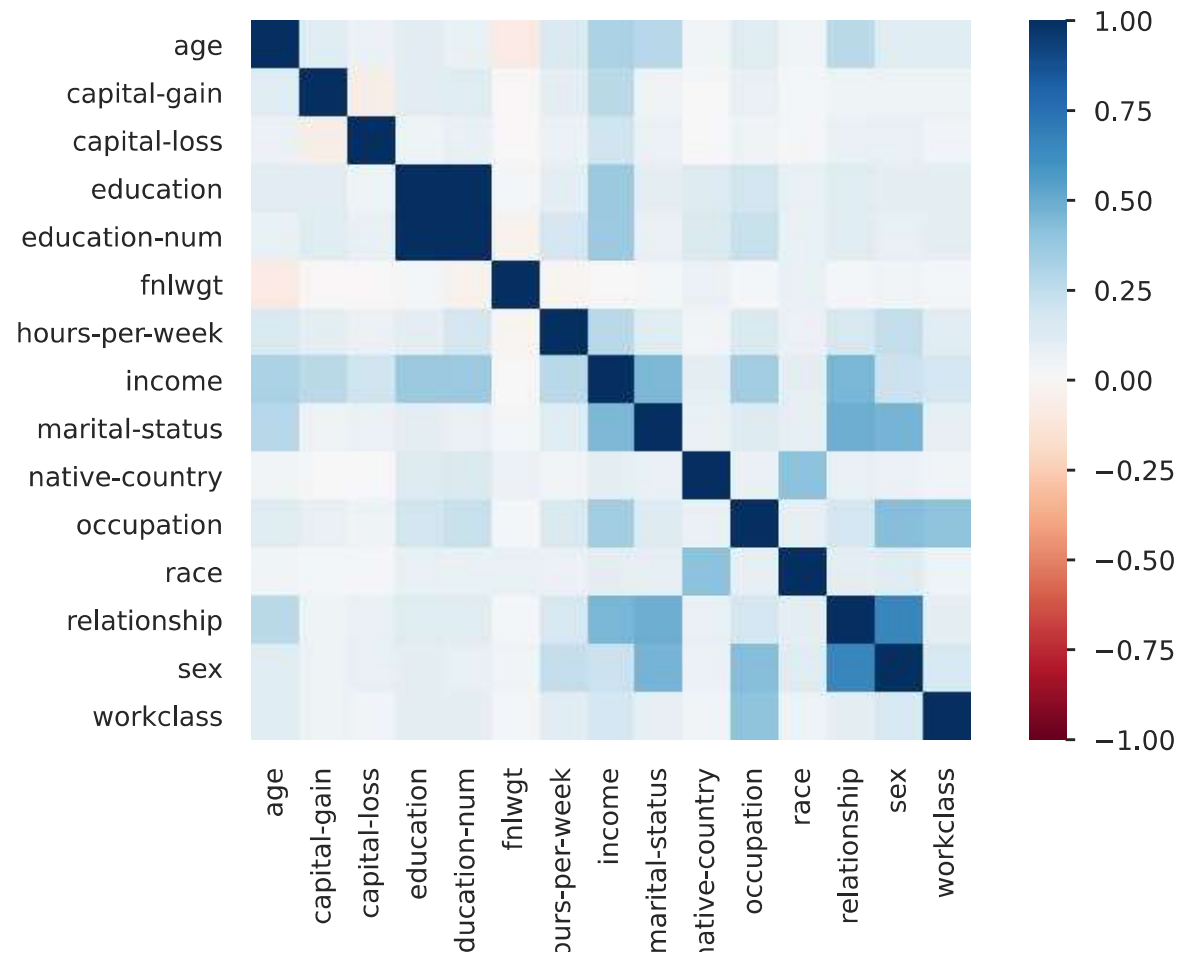


Correlations

Auto

Heatmap

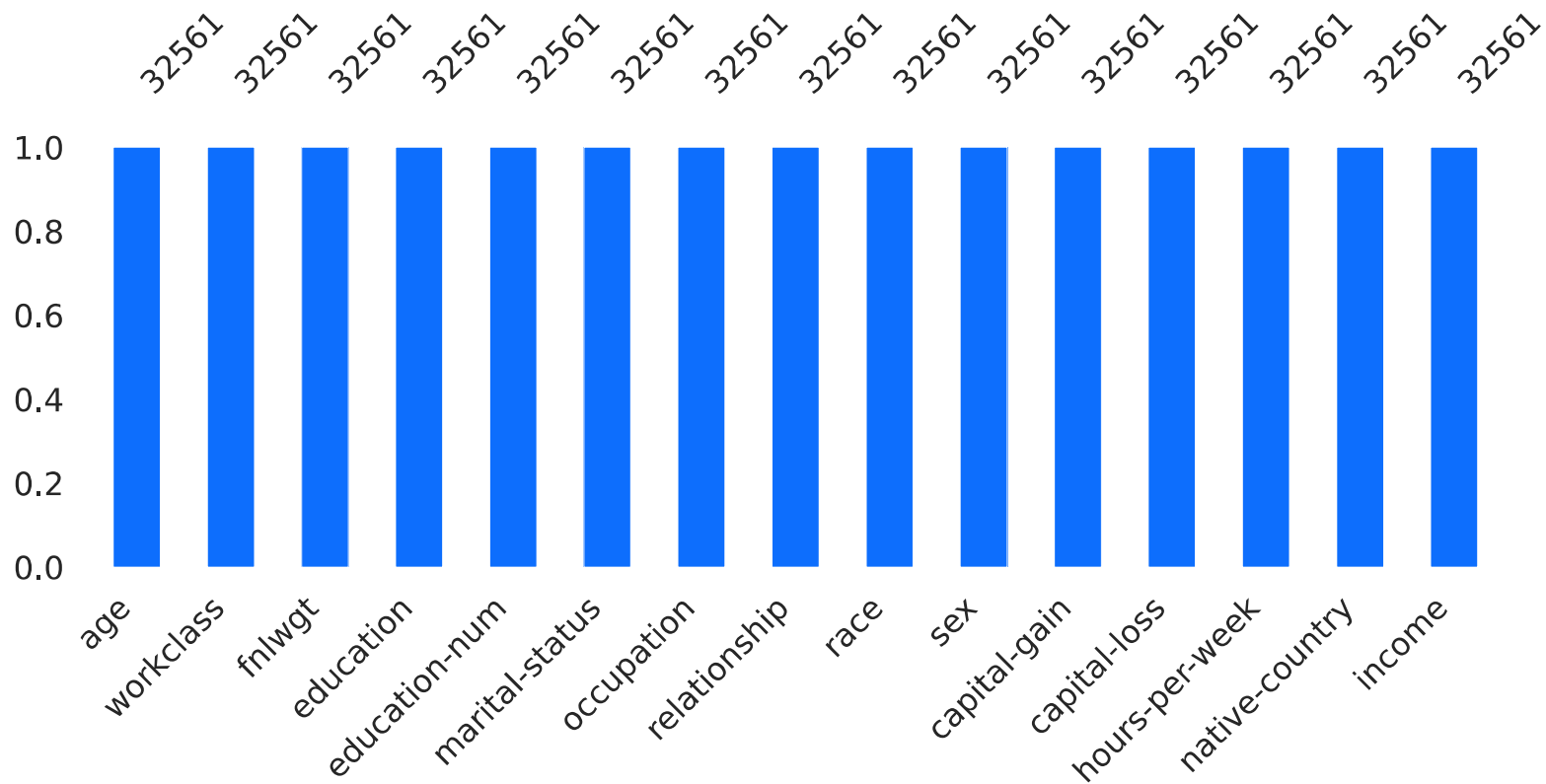
Table



Missing values

Count

Matrix



A simple visualization of nullity by column.

Sample

First rows

[Last rows](#)

	age	workclass	fnlwgt	education	education-num	marital-status	occupation	relationsh
0	39	State-gov	77516	Bachelors	13	Never-married	Adm-clerical	Not-in-far

	age	workclass	fnlwgt	education	education-num	marital-status	occupation	relationsh
1	50	Self-emp-not-inc	83311	Bachelors	13	Married-civ-spouse	Exec-managerial	Husband
2	38	Private	215646	HS-grad	9	Divorced	Handlers-cleaners	Not-in-fam
3	53	Private	234721	11th	7	Married-civ-spouse	Handlers-cleaners	Husband
4	28	Private	338409	Bachelors	13	Married-civ-spouse	Prof-specialty	Wife
5	37	Private	284582	Masters	14	Married-civ-spouse	Exec-managerial	Wife
6	49	Private	160187	9th	5	Married-spouse-absent	Other-service	Not-in-fam
7	52	Self-emp-not-inc	209642	HS-grad	9	Married-civ-spouse	Exec-managerial	Husband
8	31	Private	45781	Masters	14	Never-married	Prof-specialty	Not-in-fam
9	42	Private	159449	Bachelors	13	Married-civ-spouse	Exec-managerial	Husband

Duplicate rows

Most frequently occurring													
	age	workclass	fnlwgt	education	education-num	marital-status	occupation	relationship	race	sex	capital-gain	capital-loss	hours-per-week
8	25	Private	195994	1st-4th	2	Never-married	Priv-house-serv	Not-in-family	White	Female	0	0	0

	age	workclass	fnlwgt	education	education-num	marital-status	occupation	relationship	race	sex	capital-gain	capital-loss
0	19	Private	97261	HS-grad	9	Never-married	Farming-fishing	Not-in-family	White	Male	0	0
1	19	Private	138153	Some-college	10	Never-married	Adm-clerical	Own-child	White	Female	0	0
2	19	Private	146679	Some-college	10	Never-married	Exec-managerial	Own-child	Black	Male	0	0
3	19	Private	251579	Some-college	10	Never-married	Other-service	Own-child	White	Male	0	0
4	20	Private	107658	Some-college	10	Never-married	Tech-support	Not-in-family	White	Female	0	0
5	21	Private	243368	Preschool	1	Never-married	Farming-fishing	Not-in-family	White	Male	0	0
6	21	Private	250051	Some-college	10	Never-married	Prof-specialty	Own-child	White	Female	0	0
7	23	Private	240137	5th-6th	3	Never-married	Handlers-cleaners	Not-in-family	White	Male	0	0
9	25	Private	308144	Bachelors	13	Never-married	Craft-repair	Not-in-family	White	Male	0	0