

Overview

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Dataset statistics

Number of variables	21
Number of observations	2000
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	232.6 KiB
Average record size in memory	119.1 B

Variable types

Categorical	11
Boolean	7
Unsupported	2
Numeric	1

Variables

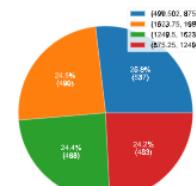
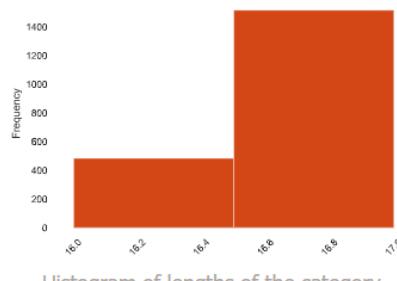
[battery_power_categ...](#)

Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB


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Value	Count	Frequency (%)
(499.502...	537	26.9%
(1623.75...	490	24.5%
(1249.5, ...	489	24.4%
(875.25, ...	484	24.2%


[has_bluetooth](#)

Boolean

Distinct	2
Distinct (%)	0.1%

False	1010
True	990

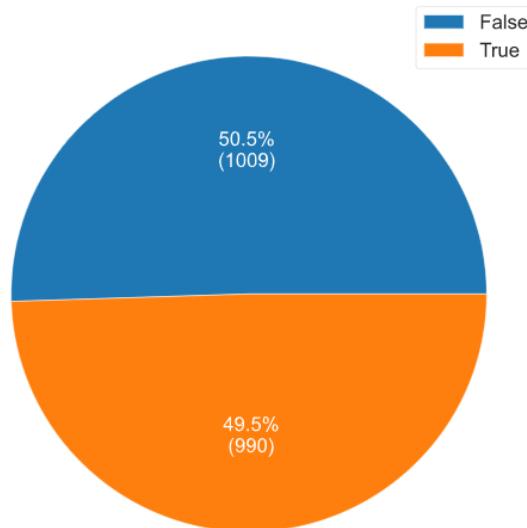
Has bluetooth or not

Missing	0
Missing (%)	0.0%
Memory size	2.1 KiB

[Toggle details](#)

Common Values

Chart



clock_speed_category

Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB

(0.497, 1.125]	779
(2.375, 3.0]	417
(1.75, 2.375]	407
(1.125, 1.75]	397

[Toggle details](#)

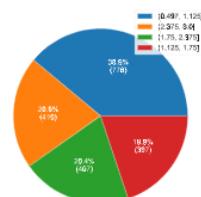
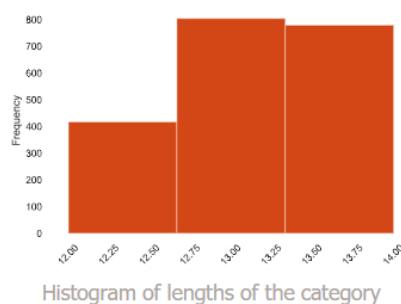
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Value	Count	Frequency (%)
(0.497, 1.125]	779	39.0%
(2.375, 3.0]	417	20.8%
(1.75, 2.375]	407	20.3%
(1.125, 1.75]	397	19.9%



nas_dual_sim

Boolean

Has dual sim support or not

Distinct	4
Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 KiB

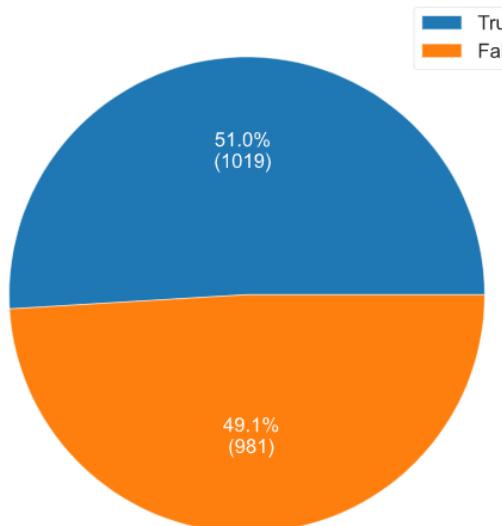
False

981

[Toggle details](#)

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front_cam_resolution...

Unsupported

REJECTED

UNSUPPORTED

Missing	0
Missing (%)	0.0%
Memory size	86.5 KiB

has_four_g

Boolean

Has 4G or not. 1 = yes , 0 = no

Distinct	2
Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 KiB

True

1043

False

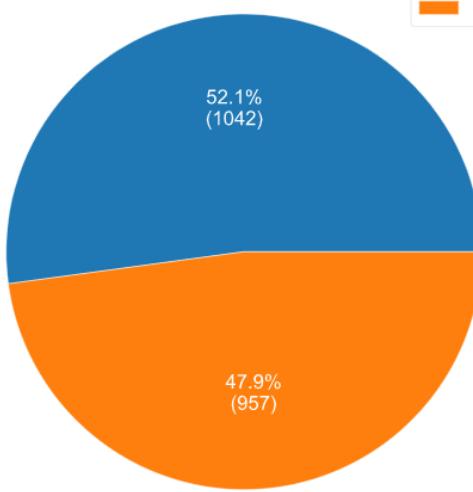
957

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True



int_memory_category

Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB



[Toggle details](#)

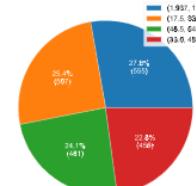
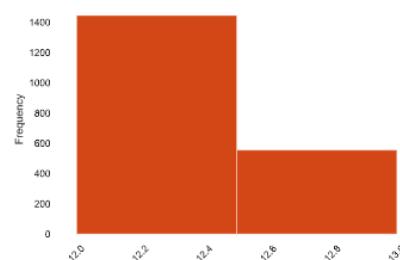
Overview

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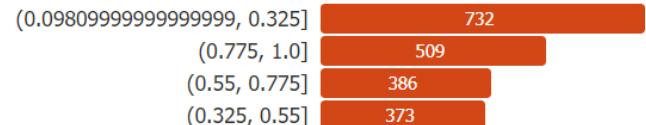
Value	Count	Frequency (%)
(1.937, 17.5]	555	27.8%
(17.5, 33.0]	507	25.4%
(48.5, 64.0]	481	24.1%
(33.0, 48.5]	457	22.9%



mobile_depth_categ...

Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB



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Overview

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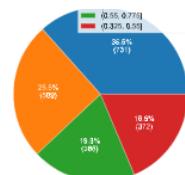
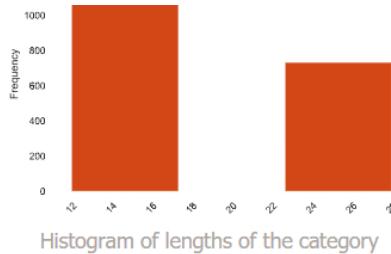
Words

Characters

Value	Count	Frequency (%)
0.0980999999999999, 0.325]	732	27.8%



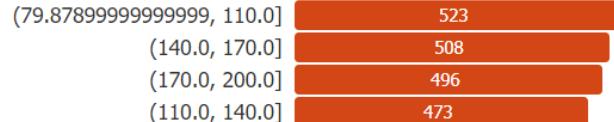
(0.09809...	732	36.6%
(0.775, 1...	509	25.4%
(0.55, 0....	386	19.3%
(0.325, 0...	373	18.6%



mobile_weight_categ...

Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB



[Toggle details](#)

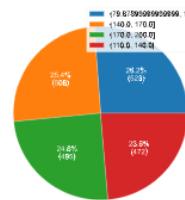
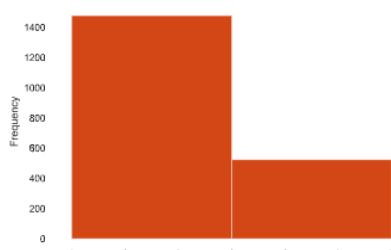
Overview

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Value	Count	Frequency (%)
(79.87899999999999, 110.0]	523	26.2%
(140.0, 170.0]	508	25.4%
(170.0, 200.0]	496	24.8%
(110.0, 140.0]	473	23.6%



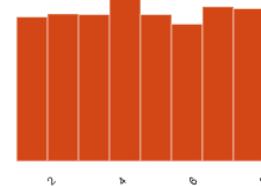
number_of_cores

Real number ($\mathbb{R}_{>0}$)

Number of cores of processor

Distinct	8
Distinct (%)	0.4%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%

Mean	4.5205
Minimum	1
Maximum	8
Zeros	0
Zeros (%)	0.0%
Memory size	15.8 KiB



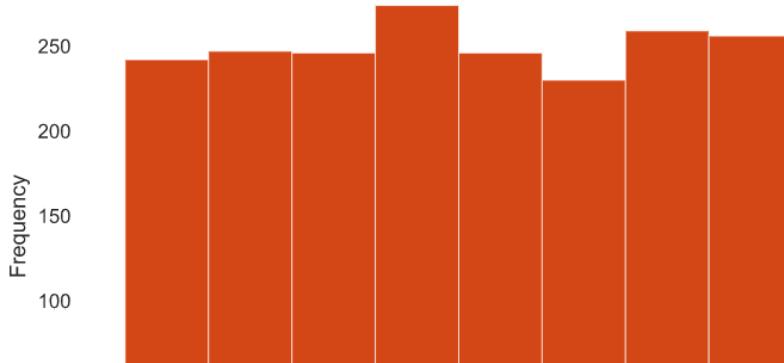
[Toggle details](#)

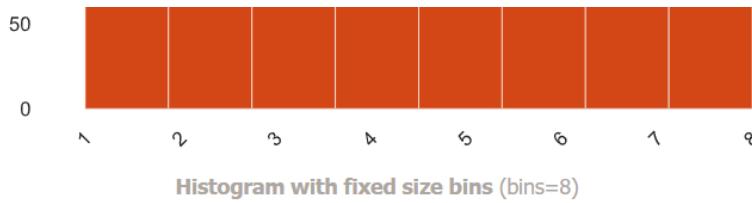
Statistics

Histogram

Common values

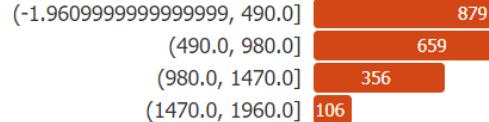
Extreme values





primary_cam_resolution	Missing	0
Unsupported	Missing (%)	0.0%
REJECTED	Memory size	92.3 KiB
UNSUPPORTED		

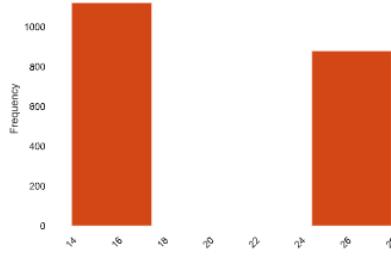
px_height_category	Distinct	4
Categorical	Distinct (%)	0.2%
	Missing	0
	Missing (%)	0.0%
	Memory size	2.3 KiB



Overview Categories Words Characters

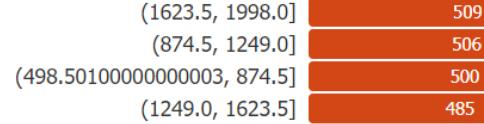
[Toggle details](#)

Value	Count	Frequency (%)
(-1.9609... 879	44.0%	
(490.0, 9... 659	33.0%	
(980.0, 1... 356	17.8%	
(1470.0, ... 106	5.3%	



Histogram of lengths of the category

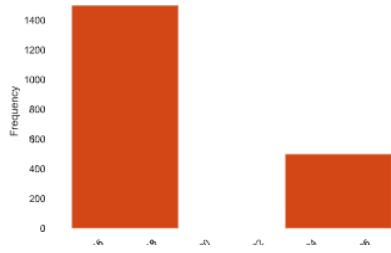
px_width_category	Distinct	4
Categorical	Distinct (%)	0.2%
	Missing	0
	Missing (%)	0.0%
	Memory size	2.3 KiB



Overview Categories Words Characters

[Toggle details](#)

Value	Count	Frequency (%)
(1623.5, ... 509	25.4%	
(874.5, 1... 506	25.3%	
(498.501... 500	25.0%	
(1249.0, ... 485	24.2%	



Histogram of lengths of the category

ram_category

Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB



[Toggle details](#)

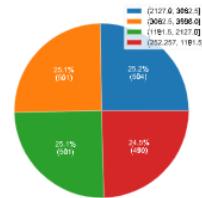
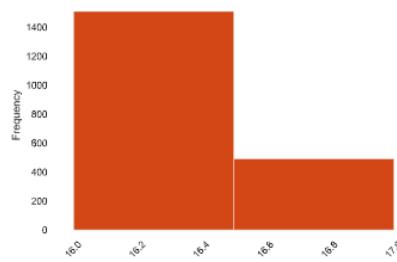
[Overview](#)

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Value	Count	Frequency (%)
(2127.0, ...	505	25.2%
(3062.5, ...	502	25.1%
(1191.5, ...	502	25.1%
(252.257...	491	24.6%



Histogram of lengths of the category

screen_height_categ...

Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB



[Toggle details](#)

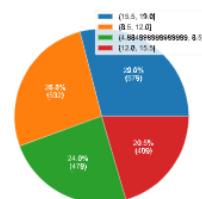
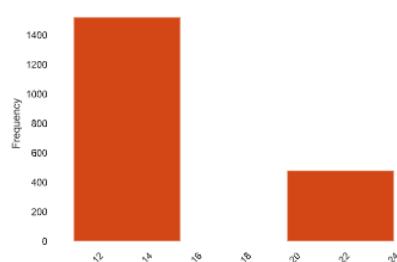
[Overview](#)

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Value	Count	Frequency (%)
(15.5, 19.0]	580	29.0%
(8.5, 12.0]	532	26.6%
(4.984999999999999, 8.5]	479	23.9%
(12.0, 15.5]	409	20.4%

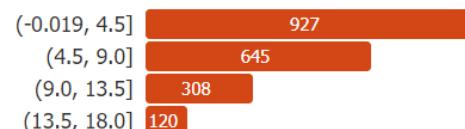


Histogram of lengths of the category

screen_width_category

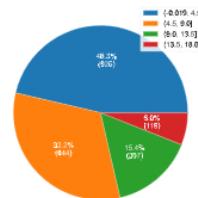
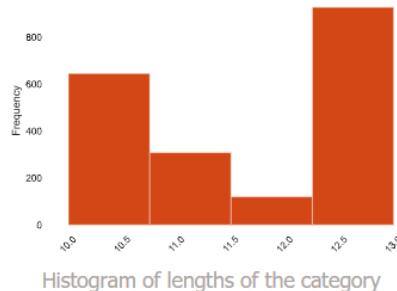
Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB



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Value	Count	Frequency (%)
(-0.019, ...	927	46.4%
(4.5, 9.0]	645	32.2%
(9.0, 13.5]	308	15.4%
(13.5, 18...	120	6.0%



talk_time_category

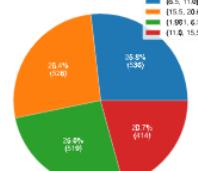
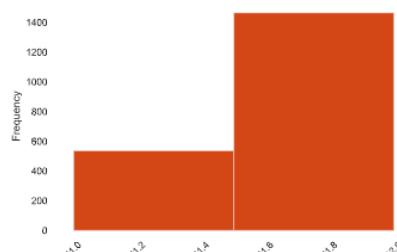
Categorical

Distinct	4
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	2.3 KiB

(6.5, 11.0]	536
(15.5, 20.0]	529
(1.981, 6.5]	520
(11.0, 15.5]	415

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Value	Count	Frequency (%)
(6.5, 11.0]	536	26.8%
(15.5, 20.0]	529	26.5%
(1.981, 6.5]	520	26.0%
(11.0, 15.5]	415	20.8%



has_three_g

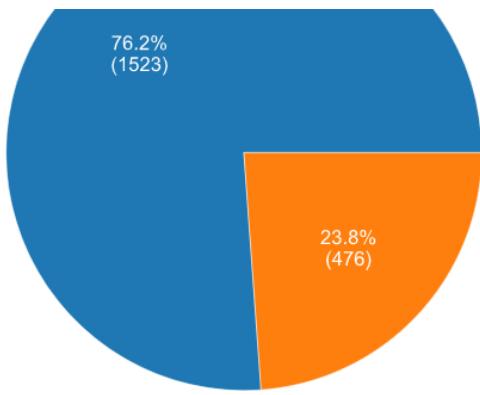
Boolean

Distinct	2
Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 KiB

True	1523
False	477

[Toggle details](#)[Common Values](#)[Chart](#)

True
False



has_touch_screen

Boolean

*Has touch screen or not, 1 = yes,
0 = no*

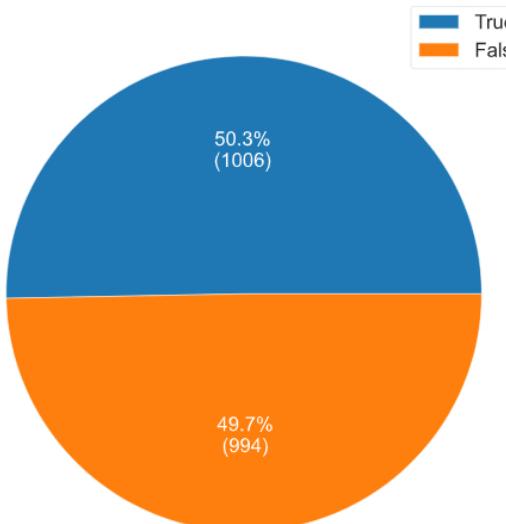
Distinct	2
Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 KiB

True	1006
False	994

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has_wifi

Boolean

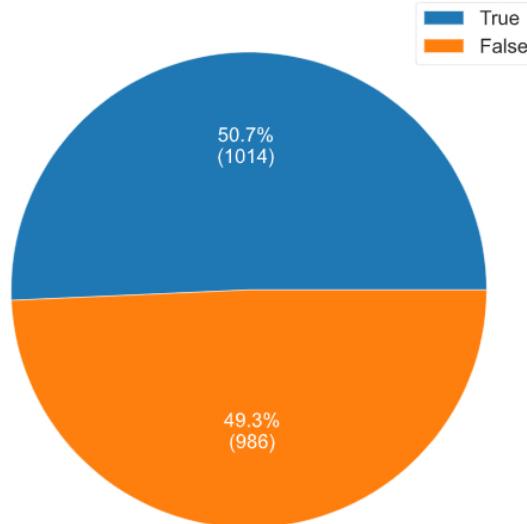
Distinct	2
Distinct (%)	0.1%

True	1014
False	986

Duplicated

Has wifi or not

Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 KiB

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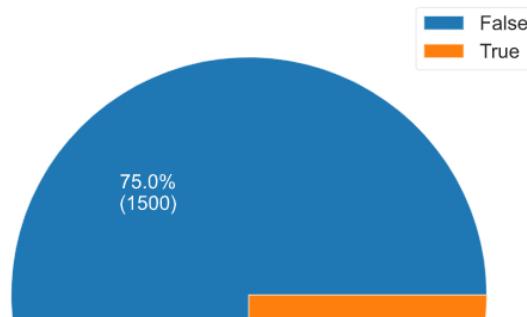
is_expensive

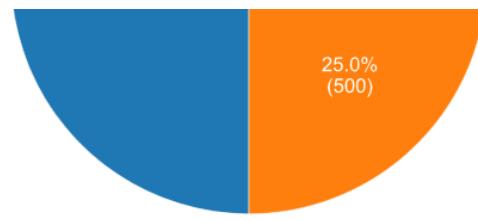
Boolean

This is the target variable with indicating if the mobile phone got a high price. 1 = yes, 0 = no

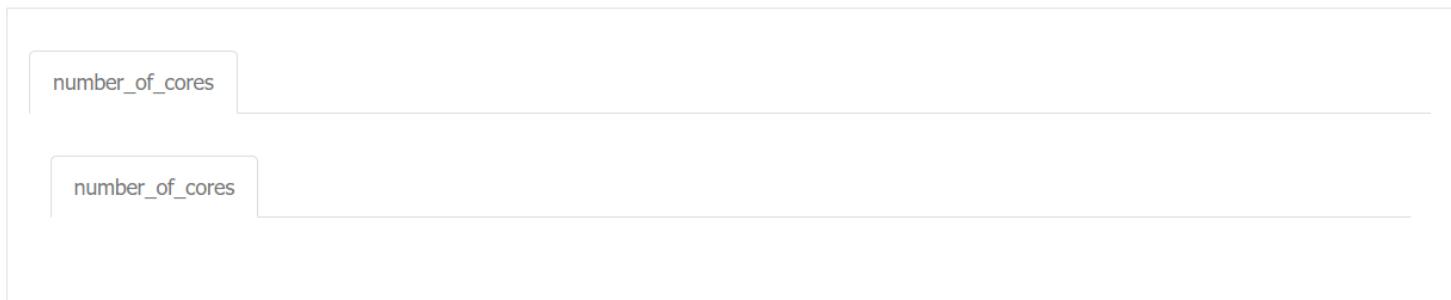
Distinct	2
Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.1 KiB

False	1500
True	500

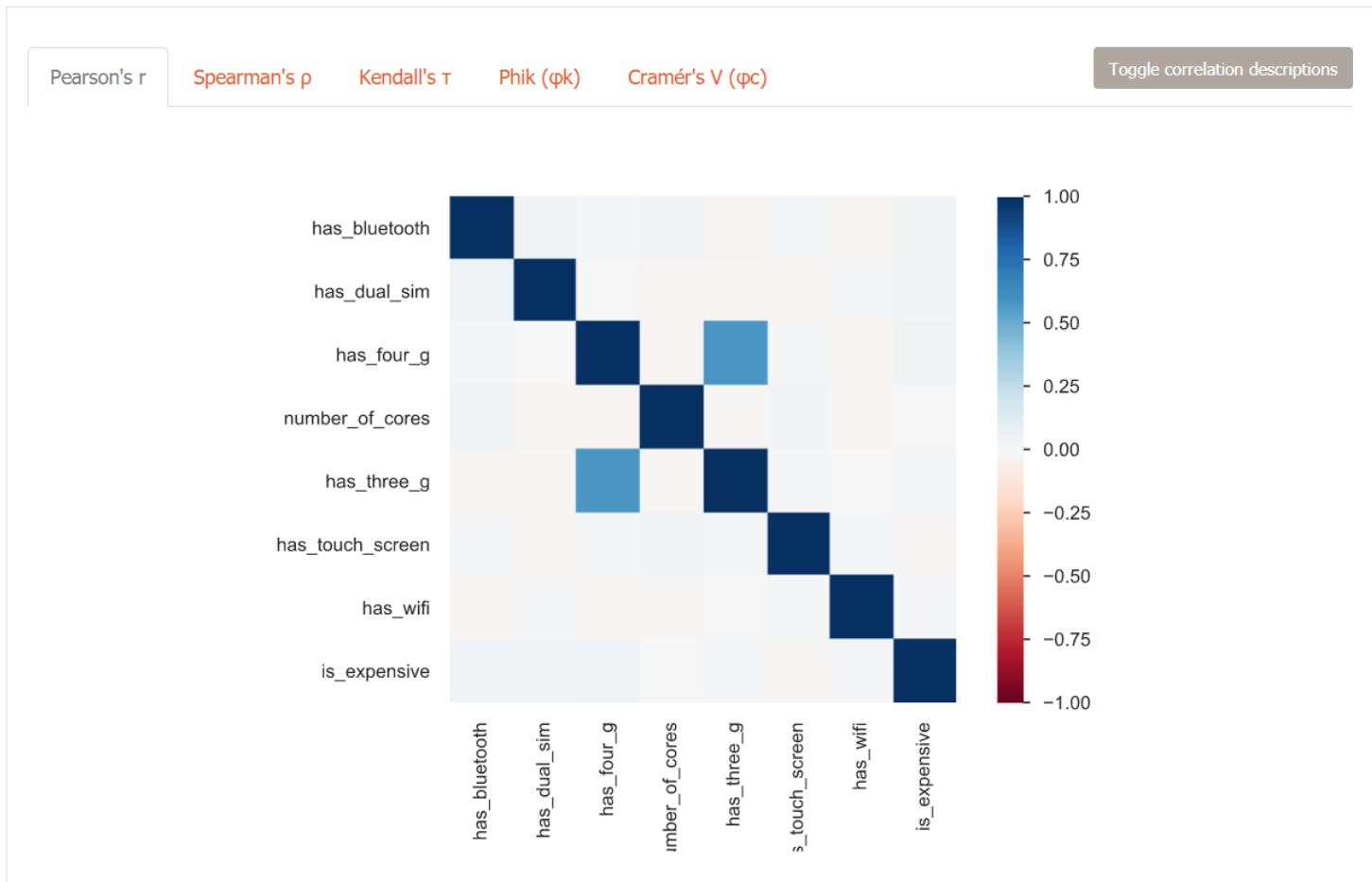
[Toggle details](#)[Common Values](#)[Chart](#)



Interactions



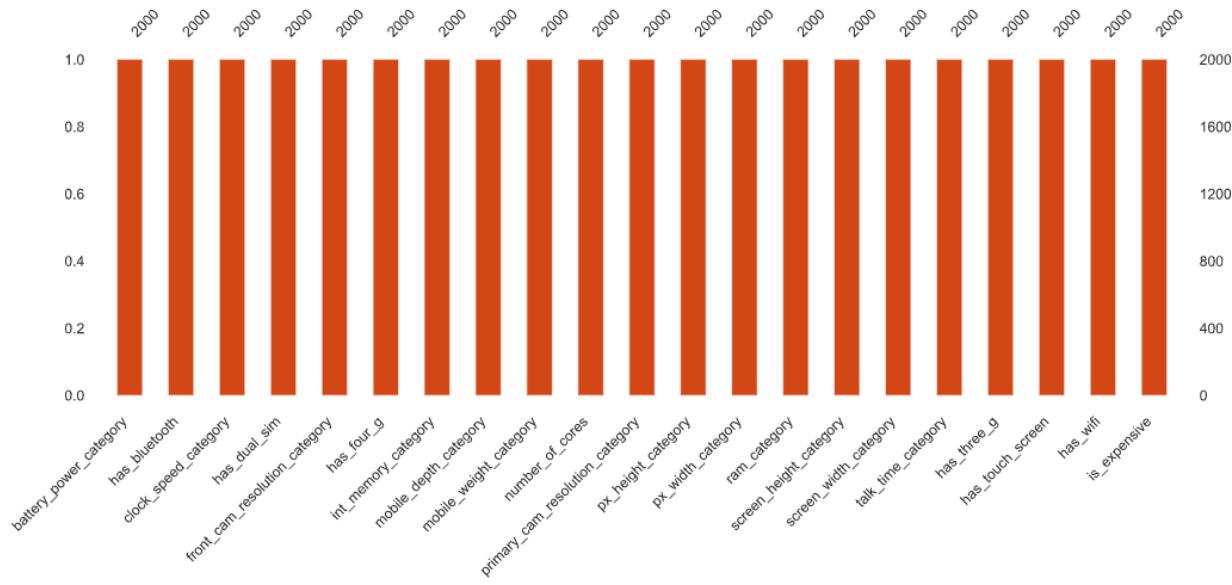
Correlations



Missing values

Count

Matrix



A simple visualization of nullity by column.

Sample

First rows

	battery_power_category	has_bluetooth	clock_speed_category	has_dual_sim	front_cam_resolution_category	has_f
0	(499.502, 875.25]	False	(1.75, 2.375]	False	(0.981, 5.5]	False
1	(875.25, 1249.5]	True	(0.497, 1.125]	True	0	True
2	(499.502, 875.25]	True	(0.497, 1.125]	True	(0.981, 5.5]	True
3	(499.502, 875.25]	True	(2.375, 3.0]	False	0	False
4	(1623.75, 1998.0]	True	(1.125, 1.75]	False	(10.0, 14.5]	True
5	(1623.75, 1998.0]	False	(0.497, 1.125]	True	(0.981, 5.5]	False
6	(1623.75, 1998.0]	False	(1.125, 1.75]	False	(0.981, 5.5]	True
7	(1623.75, 1998.0]	False	(0.497, 1.125]	True	0	False
8	(1249.5, 1623.75]	True	(0.497, 1.125]	False	0	False
9	(499.502, 875.25]	True	(0.497, 1.125]	True	(0.981, 5.5]	True

Last rows

	battery_power_category	has_bluetooth	clock_speed_category	has_dual_sim	front_cam_resolution_category	has_fingerprint
1990	(1249.5, 1623.75]	True	(2.375, 3.0]	False	(5.5, 10.0]	True
1991	(1623.75, 1998.0]	False	(1.75, 2.375]	False	(10.0, 14.5]	True
1992	(499.502, 875.25]	True	(2.375, 3.0]	True	(0.981, 5.5]	False
1993	(1249.5, 1623.75]	True	(0.497, 1.125]	False	0	False
1994	(499.502, 875.25]	False	(1.75, 2.375]	False	(0.981, 5.5]	False
1995	(499.502, 875.25]	True	(0.497, 1.125]	True	0	True
1996	(1623.75, 1998.0]	True	(2.375, 3.0]	True	0	False
1997	(1623.75, 1998.0]	False	(0.497, 1.125]	True	(0.981, 5.5]	True
1998	(1249.5, 1623.75]	False	(0.497, 1.125]	False	(0.981, 5.5]	True
1999	(499.502, 875.25]	True	(1.75, 2.375]	True	(0.981, 5.5]	True

Report generated with [pandas-profiling](#).