

Overview

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Overview

Alerts 241

Reproduction

Dataset statistics

Number of variables	184
Number of observations	29999
Missing cells	963
Missing cells (%)	< 0.1%
Duplicate rows	2118
Duplicate rows (%)	7.1%
Total size in memory	99.1 MiB
Average record size in memory	3.4 KiB

Variable types

Text	4
Categorical	175
Numeric	5

Variables

Select Columns



App

Text

Distinct	22823
Distinct (%)	76.1%
Missing	1
Missing (%)	< 0.1%
Memory size	2.2 MiB



Package

Text

Distinct	23485
Distinct (%)	78.3%
Missing	0
Missing (%)	0.0%
Memory size	2.4 MiB



Category

Categorical

Distinct	30
Distinct (%)	0.1%
Missing	0
Missing (%)	0.0%
Memory size	2.0 MiB

Category	Count
Entertainment	282
Travel & ...	215
Books & ...	195
Arcade &...	195
Brain & P...	1873
Other val...	19227

Description

Text

Distinct	23552
Distinct (%)	78.5%
Missing	3
Missing (%)	< 0.1%
Memory size	47.1 MiB

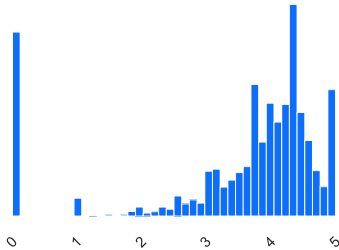


Rating

Real number (\mathbb{R})

Zeros

Distinct	42	Minimum	0
Distinct (%)	0.1%	Maximum	5
Missing	0	Zeros	3303
Missing (%)	0.0%	Zeros (%)	11.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	3.5372146	Memory size	234.5 KiB



Number of ratings

Real number (\mathbb{R})

High correlation Skewed Zeros

Distinct	5312	Minimum	0
Distinct (%)	17.7%	Maximum	1908590
Missing	0	Zeros	3303
Missing (%)	0.0%	Zeros (%)	11.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	6852.6085	Memory size	234.5 KiB

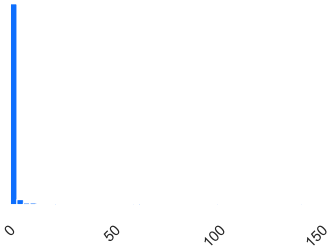


Price

Real number (\mathbb{R})

SkewedZeros

Distinct	425	Minimum	0
Distinct (%)	1.4%	Maximum	158.07
Missing	0	Zeros	24322
Missing (%)	0.0%	Zeros (%)	81.1%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	0.62570719	Memory size	234.5 KiB



Related apps

Text

Missing

Distinct	23868
Distinct (%)	81.6%
Missing	755
Missing (%)	2.5%
Memory size	4.6 MiB

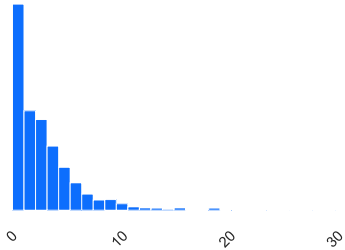
com.livewallpapers.neongirl3d
mobi.mommadeuce.sonaughty
com.telecomsys.android.scg
mobi.mommadeuce.whatevericonpack
com.mommadeuce.attitudeiiiconpack
com.livewallpapers.fairytail3d
com.sk.ebrulisozluk
com.innovativelanguage.wordpowerlite.turkish
com.livewallpapers.smokeyheart3d
com.livewallpapers.ferrarihorse3d
com.livewallpapers.halloweencube3d
mobi.mommadeuce.attitudeiforcrazyhome
mobi.mommadeuce.donthateiconpack
com.openkava.spinpic
com.livewallpapers.neonskull3d
com.vlatko.fotd
com.engineer130dick.wallpaper_115
ch.cmsa.androidapp
mobi.mommadeuce.pimptresscom.jass.refapp8
mobi.mommadeuce.attitudeii

Dangerous permissions count

Real number (\mathbb{R})

High correlation Zeros

Distinct	28	Minimum	0
Distinct (%)	0.1%	Maximum	30
Missing	204	Zeros	3822
Missing (%)	0.7%	Zeros (%)	12.7%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	3.1111596	Memory size	234.5 KiB

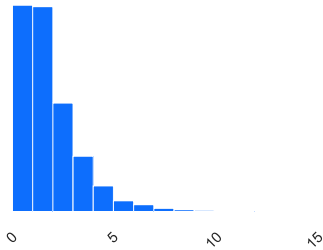


Safe permissions count

Real number (\mathbb{R})

High correlation Zeros

Distinct	16	Minimum	0
Distinct (%)	0.1%	Maximum	16
Missing	0	Zeros	9894
Missing (%)	0.0%	Zeros (%)	33.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	1.3539785	Memory size	234.5 KiB

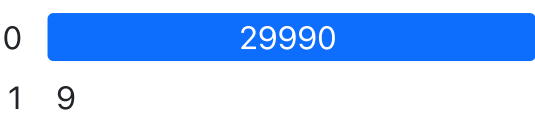


Default : Access DRM content. (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

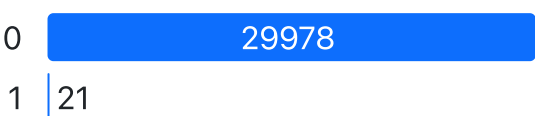


Default : Access Email provider data (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : Access all system downloads (S)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : Access download manager. (S)

Categorical

Imbalance

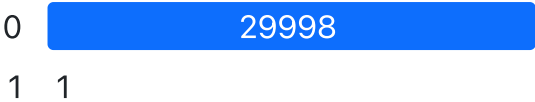
Distinct	2	0	29987
Distinct (%)	< 0.1%	1	12
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : Advanced download manager functions. (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

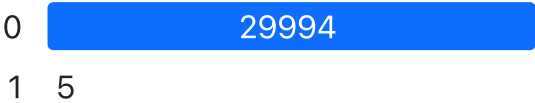


Default : Audio File Access (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

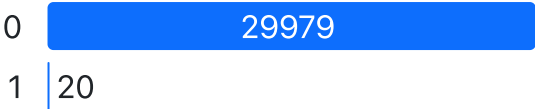


Default : Install DRM content. (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : Modify Google service configuration (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : Modify Google settings (S)

Categorical

High correlation Imbalance

Distinct	2	0	29997
Distinct (%)	< 0.1%	1	2
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : Move application resources (S)

Categorical

High correlation Imbalance

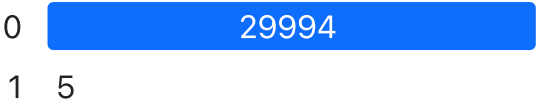
Distinct	2	0	29998
Distinct (%)	< 0.1%	1	1
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : Read Google settings (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

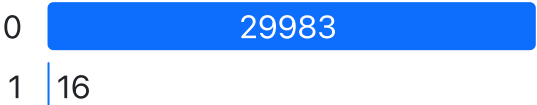


Default : Send download notifications. (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

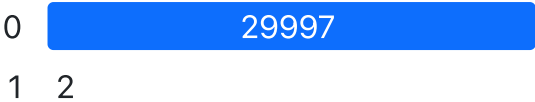


Default : Voice Search Shortcuts (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

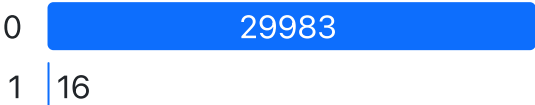


Default : access SurfaceFlinger (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

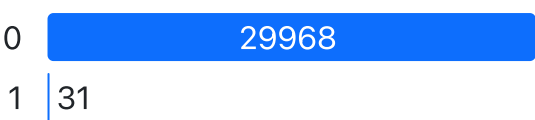


Default : access checkin properties (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

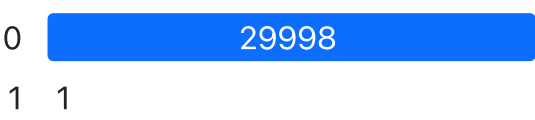


Default : access the cache filesystem (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : access to passwords for Google accounts (S)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : act as an account authenticator (S)

Categorical

Constant

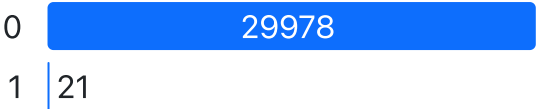
Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : bind to a wallpaper (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

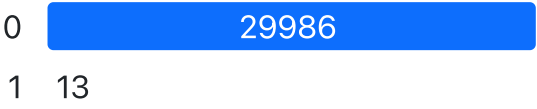


Default : bind to an input method (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

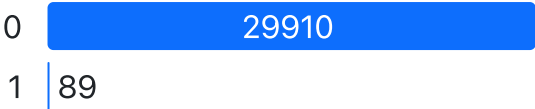


Default : change screen orientation (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : coarse (network-based) location (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

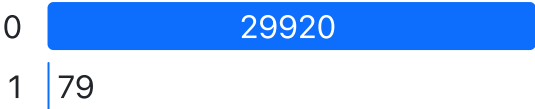


Default : control location update notifications (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

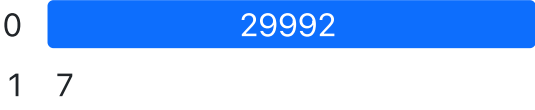


Default : control system backup and restore (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

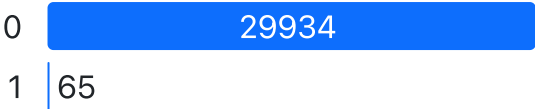


Default : delete applications (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

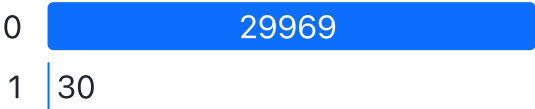


Default : delete other applications' caches (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : delete other applications' data (S)

Categorical

High correlation Imbalance

Distinct	2	0	29978
Distinct (%)	< 0.1%	1	21
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : directly call any phone numbers (S)

Categorical

Imbalance

Distinct	2	0	29852
Distinct (%)	< 0.1%	1	147
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : directly install applications (S)

Categorical

High correlation Imbalance

Distinct	2	0	29850
Distinct (%)	< 0.1%	1	149
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : disable or modify status bar (S)

Categorical

Imbalance

Distinct	2	0	29928
Distinct (%)	< 0.1%	1	71
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : discover known accounts (S)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : display unauthorized windows (S)

Categorical

Imbalance

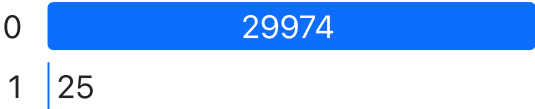
Distinct	2	0	29994
Distinct (%)	< 0.1%	1 5	
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : enable or disable application components (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

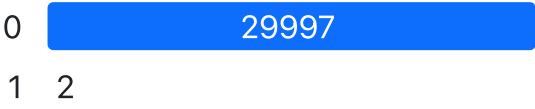


Default : force application to close (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

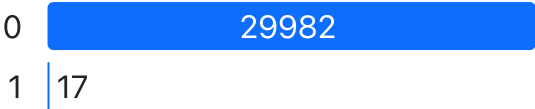


Default : force device reboot (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : full Internet access (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : interact with a device admin (S)

Categorical

Imbalance

Distinct	2	0	29994
Distinct (%)	< 0.1%	1	5
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : manage application tokens (S)

Categorical

Imbalance

Distinct	2	0	29998
Distinct (%)	< 0.1%	1	1
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : mock location sources for testing (S)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : modify battery statistics (S)

Categorical

Imbalance

Distinct	2	0	29795
Distinct (%)	< 0.1%	1	204
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : modify secure system settings (S)

Categorical

Imbalance

Distinct	2	0	29861
Distinct (%)	< 0.1%	1	138
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : modify the Google services map (S)

Categorical

Imbalance

Distinct	2	0	29987
Distinct (%)	< 0.1%	1	12
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : modify/delete USB storage contents modify/delete SD card contents (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

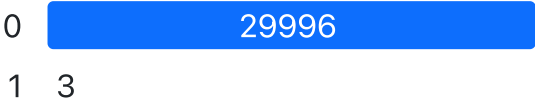


Default : monitor and control all application launching (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

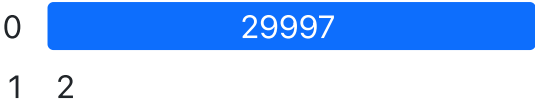


Default : partial shutdown (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : permanently disable device (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

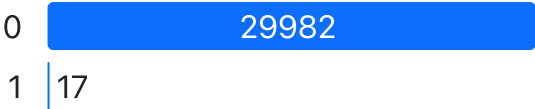


Default : permission to install a location provider (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

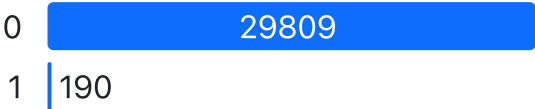


Default : power device on or off (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

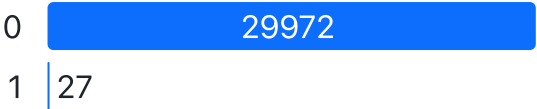


Default : press keys and control buttons (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

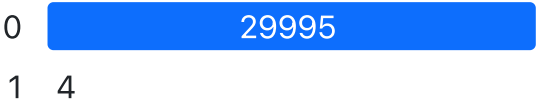


Default : prevent app switches (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

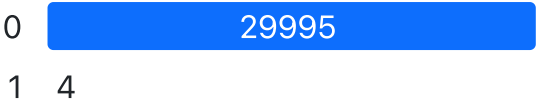


Default : read frame buffer (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : read instant messages (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : read phone state and identity (S)

Categorical

Imbalance

Distinct	2	0	29998
Distinct (%)	< 0.1%	1	1
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : record what you type and actions you take (S)

Categorical

Imbalance

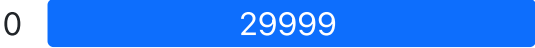
Distinct	2	0	29996
Distinct (%)	< 0.1%	1	3
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : reset system to factory defaults (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

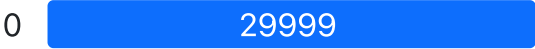


Default : run in factory test mode (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

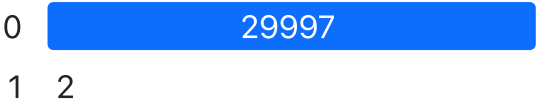


Default : set time (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : set wallpaper size hints (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : start IM service (S)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

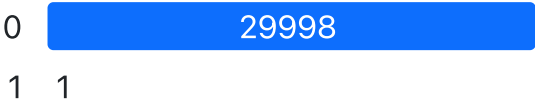


Default : update component usage statistics (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Default : write contact data (S)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Default : write instant messages (S)

Categorical

Constant

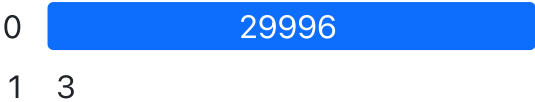
Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Development tools : enable application debugging (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



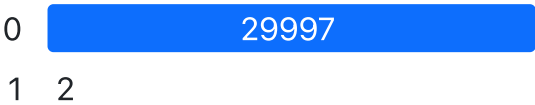
Development tools : limit number of running processes (D)

Categorical

High correlation

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Development tools : make all background applications close (D)

Categorical

High correlation Imbalance

Distinct	2	0	29996
Distinct (%)	< 0.1%	1	3
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Development tools : send Linux signals to applications (D)

Categorical

Imbalance

Distinct	2	0	29995
Distinct (%)	< 0.1%	1	4
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Hardware controls : change your audio settings (D)

Categorical

High correlation Imbalance

Distinct	2	0	29083
Distinct (%)	< 0.1%	1	916
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Hardware controls : control flashlight (S)

Categorical

Imbalance

Distinct	2	0	29511
Distinct (%)	< 0.1%	1	488
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Hardware controls : control vibrator (S)

Categorical

High correlation

Distinct	2	0	23082
Distinct (%)	< 0.1%	1	6917
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Hardware controls : record audio (D)

Categorical

Imbalance

Distinct	2	0	28739
Distinct (%)	< 0.1%	1	1260
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Hardware controls : take pictures and videos (D)

Categorical

Imbalance

Distinct	2	0	27927
Distinct (%)	< 0.1%	1	2072
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Hardware controls : test hardware (S)

Categorical

Imbalance

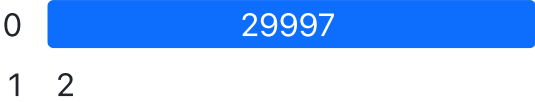
Distinct	2	0	29955
Distinct (%)	< 0.1%	1	44
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Network communication : Broadcast data messages to applications. (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

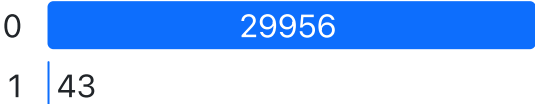


Network communication : control Near Field Communication (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Network communication : create Bluetooth connections (D)

Categorical

High correlation Imbalance

Distinct	2	0	29307
Distinct (%)	< 0.1%	1	692
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Network communication : download files without notification (S)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Network communication : full Internet access (D)

Categorical

High correlation

Distinct	2	1	24464
Distinct (%)	< 0.1%	0	5535
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Network communication : make/receive Internet calls (D)

Categorical

Imbalance

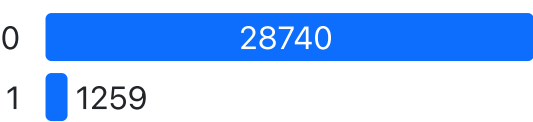
Distinct	2	0	29992
Distinct (%)	< 0.1%	1	7
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Network communication : receive data from Internet (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

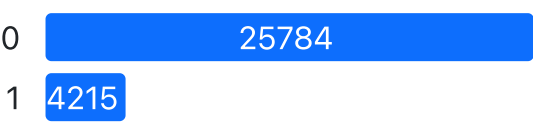


Network communication : view Wi-Fi state (S)

Categorical

High correlation

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Network communication : view network state (S)

Categorical

High correlation

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



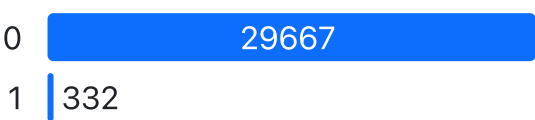
Phone calls : intercept outgoing calls (D)

Categorical

High correlation

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Phone calls : modify phone state (S)

Categorical

High correlation Imbalance

Distinct	2	0	29721
Distinct (%)	< 0.1%	1	278
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Phone calls : read phone state and identity (D)

Categorical

High correlation

Distinct	2	0	18860
Distinct (%)	< 0.1%	1	11139
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Services that cost you money : directly call phone numbers (D)

Categorical

Imbalance

Distinct	2	0	27556
Distinct (%)	< 0.1%	1	2443
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Services that cost you money : send SMS messages (D)

Categorical

Imbalance

Distinct	2	0	29013
Distinct (%)	< 0.1%	1	986
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Storage : modify/delete USB storage contents modify/delete SD card contents (D)

Categorical

Distinct	2	0	18103
Distinct (%)	< 0.1%	1	11896
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : allow Wi-Fi Multicast reception (D)

Categorical

Imbalance

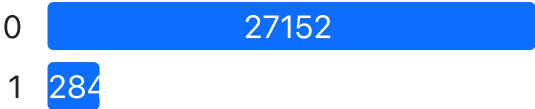
Distinct	2	0	29915
Distinct (%)	< 0.1%	1	84
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : automatically start at boot (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

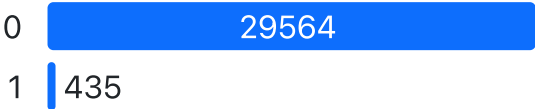


System tools : bluetooth administration (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



System tools : change Wi-Fi state (D)

Categorical

Imbalance

Distinct	2	0	29129
Distinct (%)	< 0.1%	1	870
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : change background data usage setting (S)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : change network connectivity (D)

Categorical

Imbalance

Distinct	2	0	29420
Distinct (%)	< 0.1%	1	579
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : change your UI settings (D)

Categorical

Imbalance

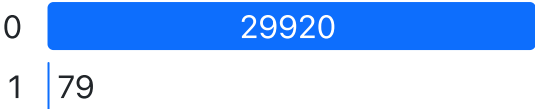
Distinct	2	0	29843
Distinct (%)	< 0.1%	1	156
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : delete all application cache data (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

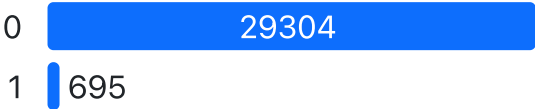


System tools : disable keylock (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



System tools : display system-level alerts (D)

Categorical

Imbalance

Distinct	2	0	29697
Distinct (%)	< 0.1%	1	302
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : expand/collapse status bar (S)

Categorical

High correlation Imbalance

Distinct	2	0	29918
Distinct (%)	< 0.1%	1	81
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : force stop other applications (S)

Categorical

Imbalance

Distinct	2	0	29985
Distinct (%)	< 0.1%	1	14
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : format external storage (D)

Categorical

Imbalance

Distinct	2	0	29985
Distinct (%)	< 0.1%	1	14
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : kill background processes (S)

Categorical

Imbalance

Distinct	2	0	29290
Distinct (%)	< 0.1%	1	709
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : make application always run (D)

Categorical

Imbalance

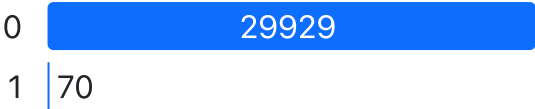
Distinct	2	0	29897
Distinct (%)	< 0.1%	1	102
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : measure application storage space (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

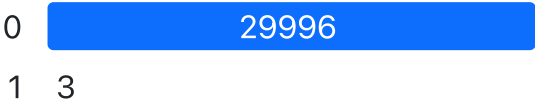


System tools : modify global animation speed (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



System tools : modify global system settings (D)

Categorical

Imbalance

Distinct	2	0	28707
Distinct (%)	< 0.1%	1	1292
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : mount and unmount filesystems (D)

Categorical

Imbalance

Distinct	2	0	29682
Distinct (%)	< 0.1%	1	317
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : prevent device from sleeping (D)

Categorical

Distinct	2	0	23896
Distinct (%)	< 0.1%	1	6103
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : read subscribed feeds (S)

Categorical

High correlation Imbalance

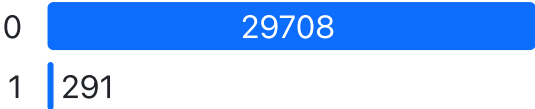
Distinct	2	0	29967
Distinct (%)	< 0.1%	1	32
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : read sync settings (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

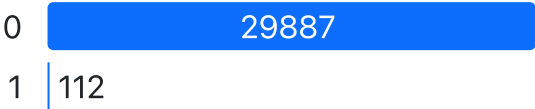


System tools : read sync statistics (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

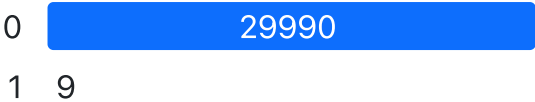


System tools : read/write to resources owned by diag (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

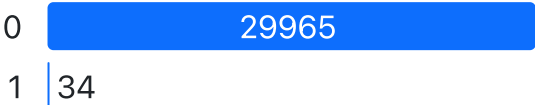


System tools : reorder running applications (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



System tools : retrieve running applications (D)

Categorical

Imbalance

Distinct	2	0	28469
Distinct (%)	< 0.1%	1	1530
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : send package removed broadcast (S)

Categorical

Imbalance

Distinct	2	0	29993
Distinct (%)	< 0.1%	1	6
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : send sticky broadcast (S)

Categorical

Imbalance

Distinct	2	0	29725
Distinct (%)	< 0.1%	1	274
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : set preferred applications (S)

Categorical

Imbalance

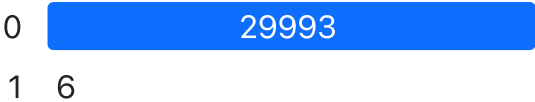
Distinct	2	0	29905
Distinct (%)	< 0.1%	1	94
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : set time zone (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

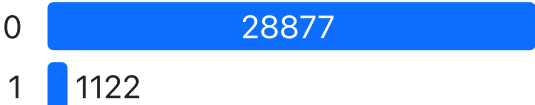


System tools : set wallpaper (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



System tools : set wallpaper size hints (S)

Categorical

High correlation Imbalance

Distinct	2	0	29904
Distinct (%)	< 0.1%	1	95
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : write Access Point Name settings (D)

Categorical

Imbalance

Distinct	2	0	29921
Distinct (%)	< 0.1%	1	78
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : write subscribed feeds (D)

Categorical

High correlation Imbalance

Distinct	2	0	29965
Distinct (%)	< 0.1%	1	34
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

System tools : write sync settings (D)

Categorical

High correlation Imbalance

Distinct	2	0	29727
Distinct (%)	< 0.1%	1	272
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : Blogger (D)

Categorical

Constant

Distinct	1
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

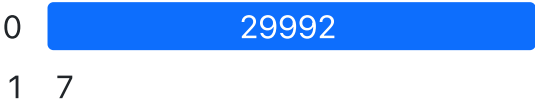


Your accounts : Google App Engine (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

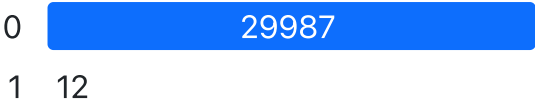


Your accounts : Google Docs (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

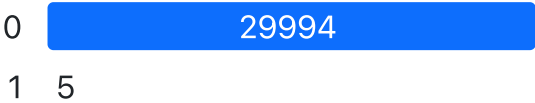


Your accounts : Google Finance (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

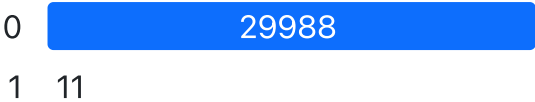


Your accounts : Google Maps (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

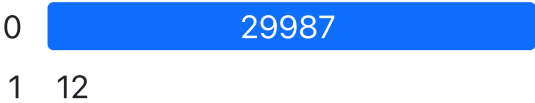


Your accounts : Google Spreadsheets (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

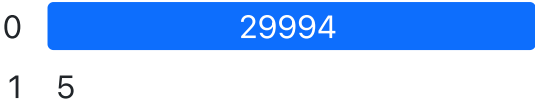


Your accounts : Google Voice (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

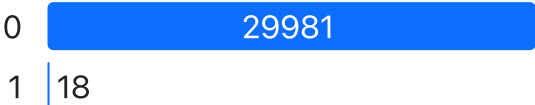


Your accounts : Google mail (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Your accounts : Picasa Web Albums (D)

Categorical

Imbalance

Distinct	2	0	29995
Distinct (%)	< 0.1%	1	4
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : YouTube (D)

Categorical

High correlation Imbalance

Distinct	2	0	29989
Distinct (%)	< 0.1%	1	10
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : YouTube usernames (D)

Categorical

High correlation Imbalance

Distinct	2	0	29990
Distinct (%)	< 0.1%	1	9
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : access all Google services (S)

Categorical

High correlation Imbalance

Distinct	2	0	29994
Distinct (%)	< 0.1%	1	5
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : access other Google services (D)

Categorical

High correlation Imbalance

Distinct	2	0	29955
Distinct (%)	< 0.1%	1	44
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : act as an account authenticator (D)

Categorical

High correlation Imbalance

Distinct	2	0	29794
Distinct (%)	< 0.1%	1	205
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : act as the AccountManagerService (S)

Categorical

Imbalance

Distinct	2	0	29945
Distinct (%)	< 0.1%	1	54
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : contacts data in Google accounts (D)

Categorical

Imbalance

Distinct	2	0	29993
Distinct (%)	< 0.1%	1	6
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : discover known accounts (S)

Categorical

High correlation Imbalance

Distinct	2	0	28147
Distinct (%)	< 0.1%	1	1852
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : manage the accounts list (D)

Categorical

High correlation Imbalance

Distinct	2	0	29642
Distinct (%)	< 0.1%	1	357
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : read Google service configuration (S)

Categorical

High correlation Imbalance

Distinct	2	0	29941
Distinct (%)	< 0.1%	1	58
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : use the authentication credentials of an account (D)

Categorical

High correlation Imbalance

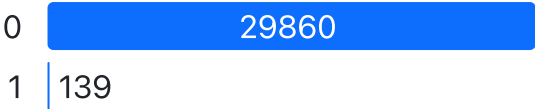
Distinct	2	0	29581
Distinct (%)	< 0.1%	1	418
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your accounts : view configured accounts (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

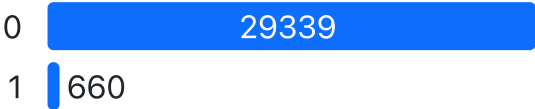


Your location : access extra location provider commands (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Your location : coarse (network-based) location (D)

Categorical

High correlation

Distinct	2	0	23639
Distinct (%)	< 0.1%	1	6360
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your location : fine (GPS) location (D)

Categorical

High correlation

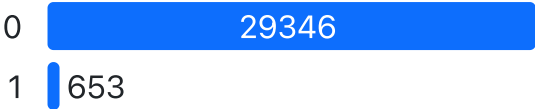
Distinct	2	0	23536
Distinct (%)	< 0.1%	1	6463
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your location : mock location sources for testing (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

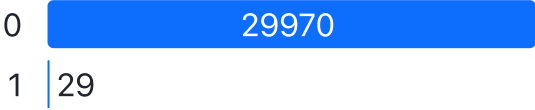


Your messages : Read Email attachments (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

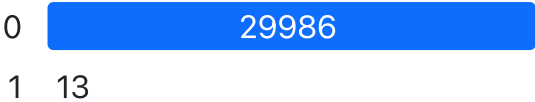


Your messages : Send Gmail (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

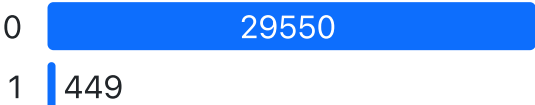


Your messages : edit SMS or MMS (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

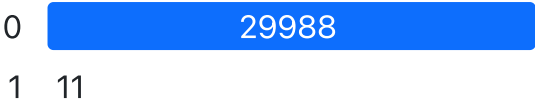


Your messages : modify Gmail (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

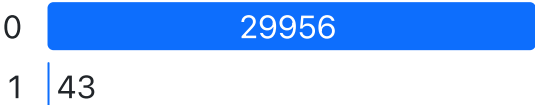


Your messages : read Gmail (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Your messages : read Gmail attachment previews (D)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your messages : read SMS or MMS (D)

Categorical

High correlation Imbalance

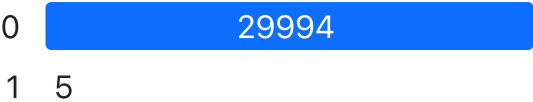
Distinct	2	0	29288
Distinct (%)	< 0.1%	1	711
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your messages : read instant messages (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

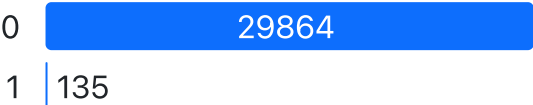


Your messages : receive MMS (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

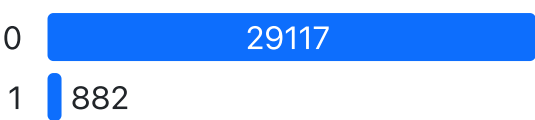


Your messages : receive SMS (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

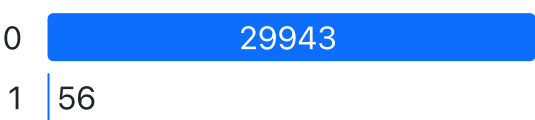


Your messages : receive WAP (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Your messages : send SMS-received broadcast (S)

Categorical

Imbalance

Distinct	2	0	29970
Distinct (%)	< 0.1%	1	29
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your messages : send WAP-PUSH-received broadcast (S)

Categorical

Imbalance

Distinct	2	0	29991
Distinct (%)	< 0.1%	1	8
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your messages : write instant messages (D)

Categorical

Constant

Distinct	1	0	29999
Distinct (%)	< 0.1%		
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your personal information : add or modify calendar events and send email to guests (D)

Categorical

High correlation Imbalance

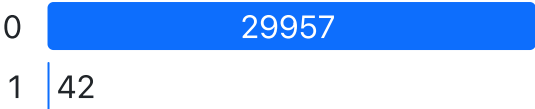
Distinct	2	0	29586
Distinct (%)	< 0.1%	1	413
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Your personal information : choose widgets (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

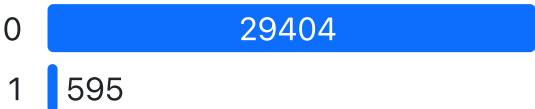


Your personal information : read Browser's history and bookmarks (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

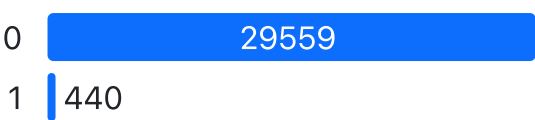


Your personal information : read calendar events (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

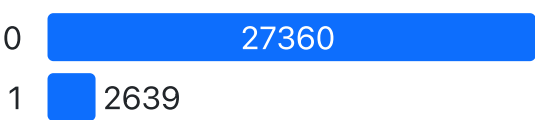


Your personal information : read contact data (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

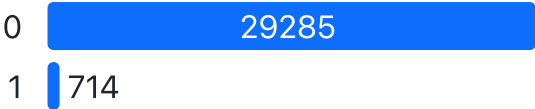


Your personal information : read sensitive log data (D)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

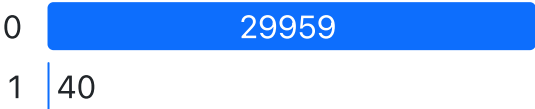


Your personal information : read user defined dictionary (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

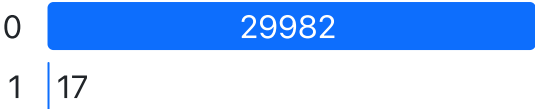


Your personal information : retrieve system internal state (S)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

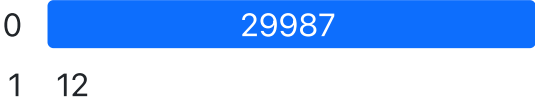


Your personal information : set alarm in alarm clock (S)

Categorical

Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

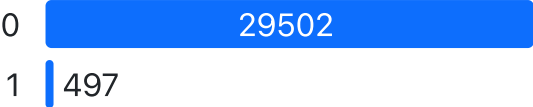


Your personal information : write Browser's history and bookmarks (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB

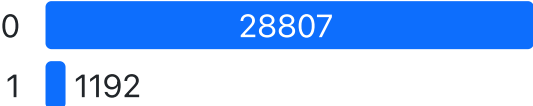


Your personal information : write contact data (D)

Categorical

High correlation Imbalance

Distinct	2
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	1.7 MiB



Your personal information : write to user defined dictionary (S)

Categorical

High correlation Imbalance

Distinct	2	0	29954
Distinct (%)	< 0.1%	1	45
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Class

Categorical

Distinct	2	1	20000
Distinct (%)	< 0.1%	0	9999
Missing	0		
Missing (%)	0.0%		
Memory size	1.7 MiB		

Interactions

Rating

Number of ratings

Price

Dangerous permissions count

Safe permissions count

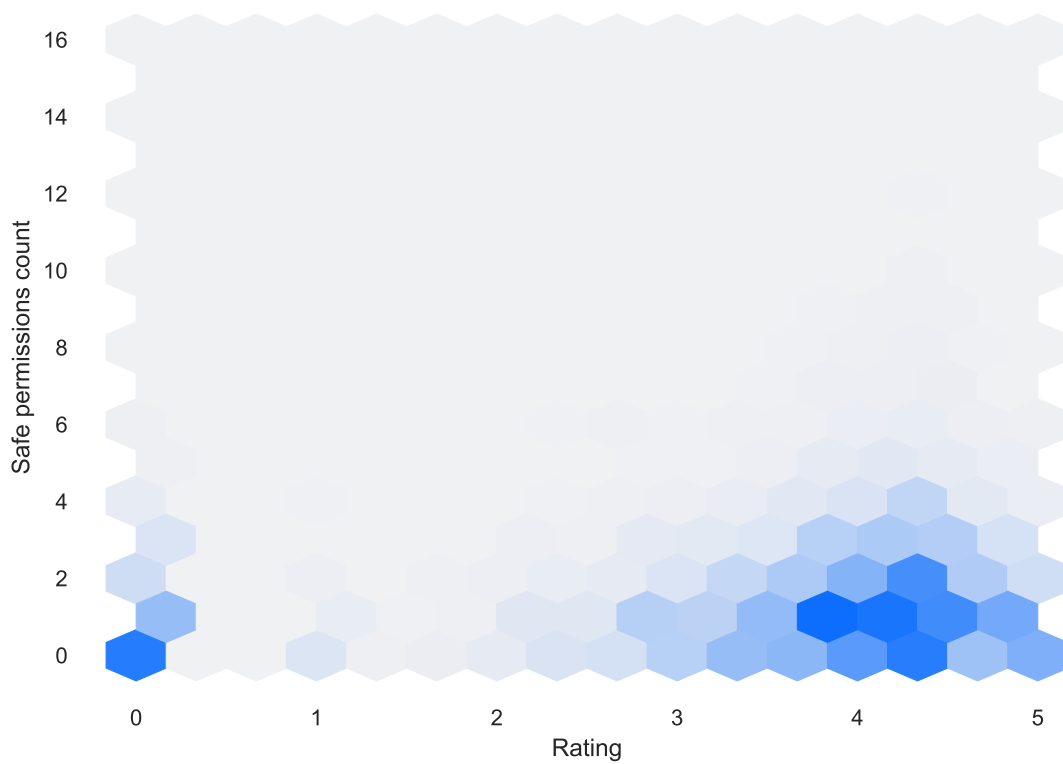
Safe permissions count

Rating

Number of ratings

Price

Dangerous permissions count



Correlations

Auto

Heatmap

Table



A simple visualization of nullity by column.

Sample

First rows

[Last rows](#)

	App	Package
0	Canada Post Corporation	com.canadapost.android
1	Word Farm	com.realcasualgames.words
2	Fortunes of War FREE	fortunesofwar.free
3	Better Keyboard: Avatar Purple	com.cc.betterkeyboard.skins.avatarpurple
4	Boxing Day	indiaNIC.android.BoxingDay
5	Ms Claus Live Wallpaper	tmc.christmaslady.livewallpaper
6	Solitaire-Spider-Freecell	ru.uralgames.solitaire.android

	App	Package
7	Pumpkins vs. Monsters	com.RunnerGames.game.PumpkinsVsMonster_AD
8	Cats Puzzle	coder.hamster.jpall.cats
9	Paranormal Agency	com.g5e.paranormal

Duplicate rows

Most frequently occurring

	App	Package	Category	
211	Bank of America	com.infonow.bofa	Finance	<p>The Bank</p> <p><p>With f</p> <p>native app</p> <p>Transfer r</p> <p>closest A</p> <p>required).</p> <p>Security C</p> <p>feature of</p> <p>contacts l</p> <p>recipients</p> <p>weren???</p> <p><p>Featu</p> <p>balances<</p> <p>input requ</p> <p>knowing y</p> <p>Banking S</p> <p>advanced</p>

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262	Bluetooth File Transfer	it.medieval.blueftp	Communication	Bluetooth browse, e Profile (F contacts! q=http://h target="_ * Cu can conne personal c Bluetooth (or pick) f multimedi Support fi unpack) c long pass seen (you you can c best fit yc inside arc memory< (Android c (advance contact s (vcf) files explorer c smartpho developed with pass
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1329	PowerAMP Music Player (Trial)	com.maxmpz.audioplayer	Music & Audio	Powerful <p>2.0 is PowerAM folders wi songs in t <p>Pleas "old download mp4/m4a files may supporte adjustme gapless < dynamic c plugin<br
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