# Codebook for tidydata

## Autogenerated data summary from dataMaid

2020-04-01 16:40:46

## Data report overview

The dataset examined has the following dimensions:

| Feature | Result |
|---|---|
| Number of observations | 813621 |
| Number of variables | 7 |

## Codebook summary table

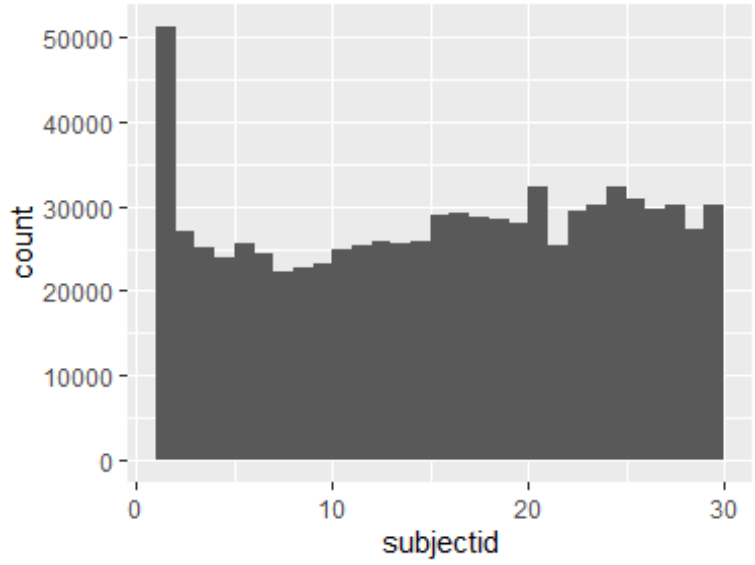
| Variable | Class | # unique values | Description |
|---|---|---|---|
| **subjectid** | integer | 30 | Identifies the unique subject to whom the observation pertains |
| **activityname** | factor | 6 | Identifies the activity the subject was engaged in, during measurement of a particular observation |
| **observationnumber** | integer | 7505 | Identifies each observation uniquely, for a combination of subject, activity and measurement name. |
| **signaltype** | character | 2 | Identifies the type of signal which was measured – time or frequency |
| **measurementname** | character | 13 | identifies the specific type of attribute measured |
| **statistic-axis(if applicable)** | character | 12 | Identifies the statistical measure calculated for the attribute and the axis of reference, if applicable |
| **valueofmeasurement** | numeric | 783226 | The value of a measured attribute |

## Variable list

### subjectid

| Feature | Result |
|---|---|

| | |
|---|---|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 30 |
| Median | 17 |
| 1st and 3rd quartiles | 9; 24 |
| Min. and max. | 1; 30 |

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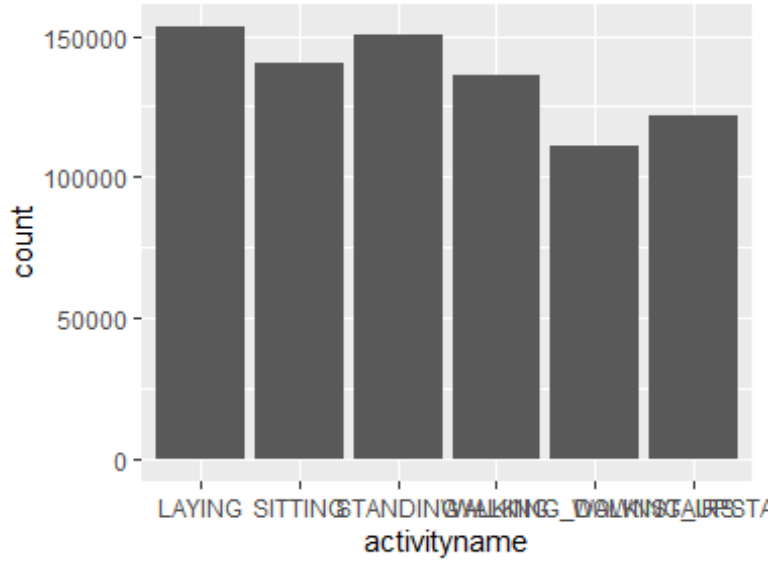
## activityname

| Feature | Result |
|---|---|
| Variable type | factor |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 6 |
| Mode | “LAYING” |
| Reference category | LAYING |




- Observed factor levels: "LAYING", "SITTING", "STANDING", "WALKING", "WALKING_DOWNSTAIRS", "WALKING_UPSTAIRS".

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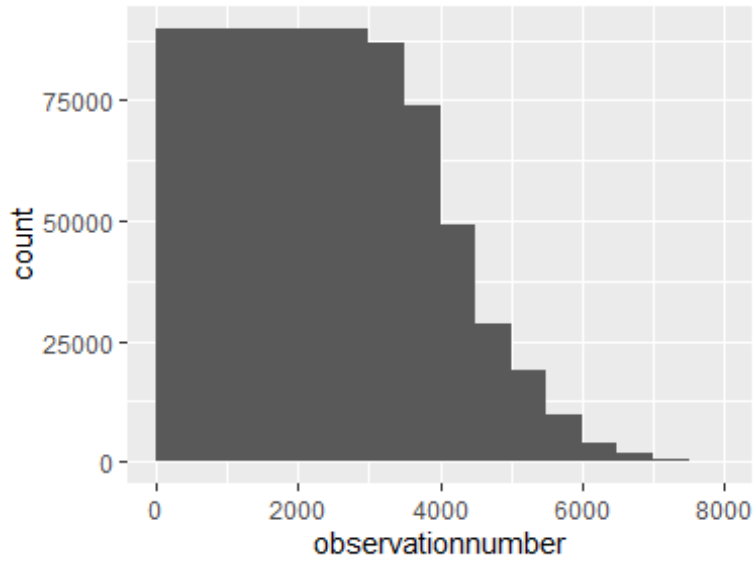
## observationnumber

| Feature | Result |
|---|---|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 7505 |
| Median | 2261 |
| 1st and 3rd quartiles | 1131; 3404 |
| Min. and max. | 1; 7505 |

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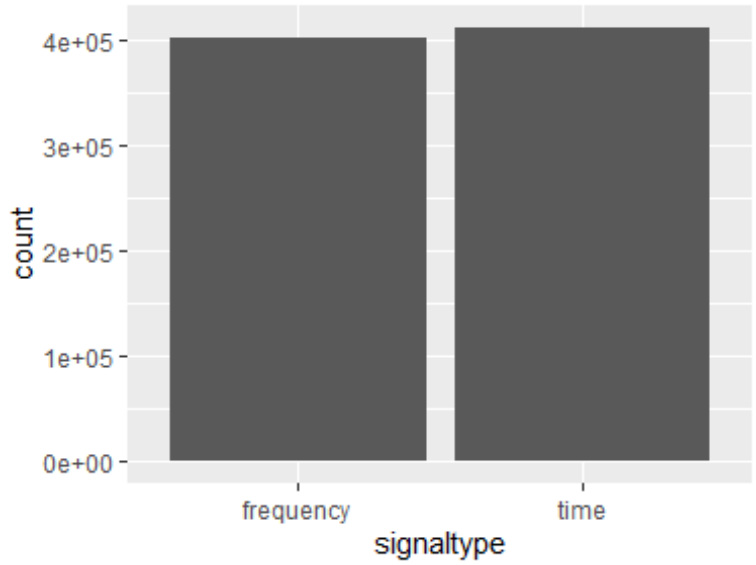
## signaltype

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “time” |




- Observed factor levels: "frequency", "time".

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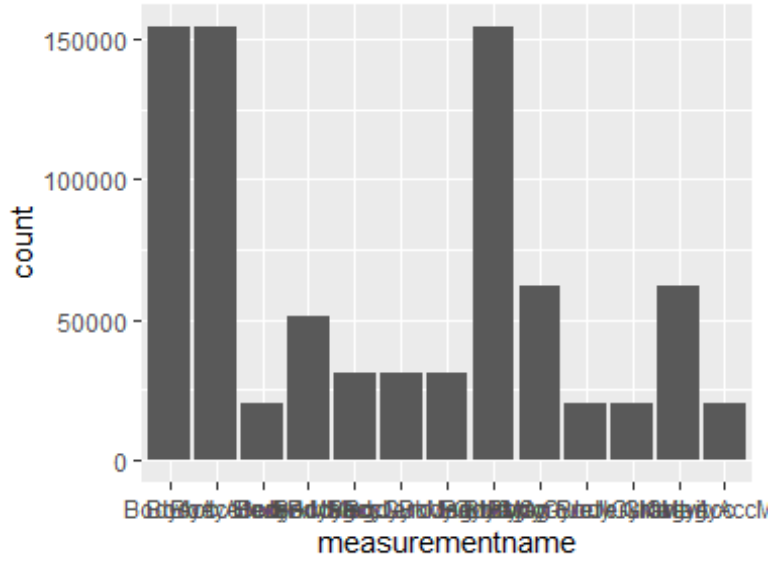
## measurementname

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 13 |
| Mode | “BodyAcc” |




- Observed factor levels: "BodyAcc", "BodyAccJerk", "BodyAccJerkMag", "BodyAccMag", "BodyBodyAccJerkMag", "BodyBodyGyroJerkMag", "BodyBodyGyroMag", "BodyGyro", "BodyGyroJerk", "BodyGyroJerkMag", "BodyGyroMag", "GravityAcc", "GravityAccMag".

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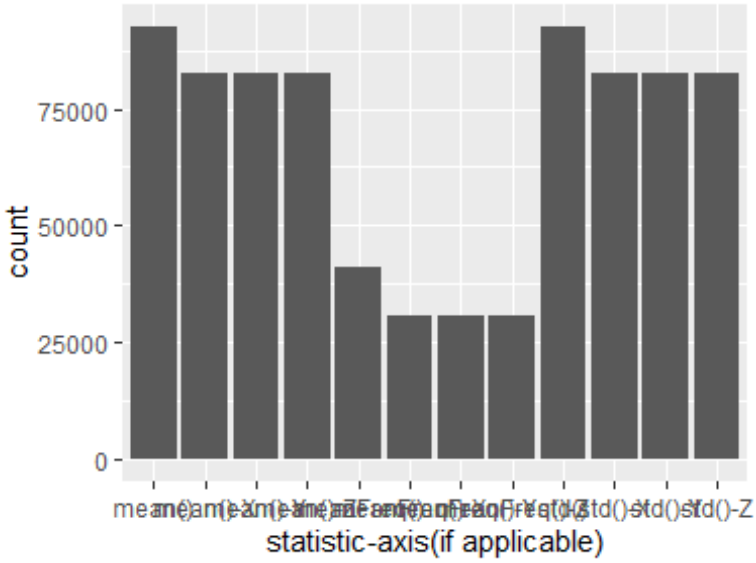
## statistic-axis(if applicable)

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 12 |
| Mode | “mean()” |




- Observed factor levels: "mean()", "mean()-X", "mean()-Y", "mean()-Z", "meanFreq()", "meanFreq()-X", "meanFreq()-Y", "meanFreq()-Z", "std()", "std()-X", "std()-Y", "std()-Z".

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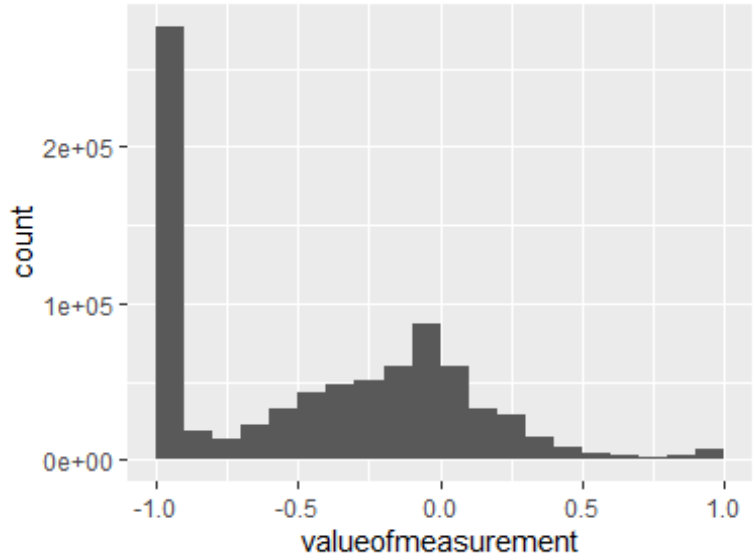
## valueofmeasurement

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 783226 |
| Median | -0.4 |
| 1st and 3rd quartiles | -0.97; -0.04 |
| Min. and max. | -1; 1 |

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Report generation information:

- Created by: Abdulsabith (username: `admin`).
- Report creation time: Wed Apr 01 2020 16:41:01
- Report was run from directory: `C:/Users/admin/Documents/R/Datasciencecoursera/Getting and Cleaning Data`
- dataMaid v1.4.0 [Pkg: 2019-12-10 from CRAN (R 3.6.3)]
- R version 3.6.1 (2019-07-05).
- Platform: i386-w64-mingw32/i386 (32-bit)(Windows 7 (build 7601) Service Pack 1).
- Function call: `dataMaid::makeDataReport(data = tidydata, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook_tidydata.Rmd", checks = list(character = "showAllFactorLevels", factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date = NULL), listChecks = FALSE, maxProbVals = Inf, codebook = TRUE, reportTitle = "Codebook for tidydata")`