The features selected for this database come from the accelerometer and gyroscope 3-axial raw signals tAcc-XYZ and tGyro-XYZ. These time domain signals (prefix 't' to denote time) were captured at a constant rate of 50 Hz. Then they were filtered using a median filter and a 3rd order low pass Butterworth filter with a corner frequency of 20 Hz to remove noise. Similarly, the acceleration signal was then separated into body and gravity acceleration signals (tBodyAcc-XYZ and tGravityAcc-XYZ) using another low pass Butterworth filter with a corner frequency of 0.3 Hz.

Subsequently, the body linear acceleration and angular velocity were derived in time to obtain Jerk signals (tBodyAccJerk-XYZ and tBodyGyroJerk-XYZ). Also the magnitude of these three-dimensional signals were calculated using the Euclidean norm (tBodyAccMag, tGravityAccMag, tBodyAccJerkMag, tBodyGyroMag, tBodyGyroJerkMag).

Finally a Fast Fourier Transform (FFT) was applied to some of these signals producing fBodyAcc-XYZ, fBodyAccJerk-XYZ, fBodyGyro-XYZ, fBodyAccJerkMag, fBodyGyroMag, fBodyGyroJerkMag. (Note the 'f' to indicate frequency domain signals).

These signals were used to estimate variables of the feature vector for each pattern:

'-XYZ' is used to denote 3-axial signals in the X, Y and Z directions.

tBodyAcc-XYZ

tGravityAcc-XYZ

tBodyAccJerk-XYZ

tBodyGyro-XYZ

tBodyGyroJerk-XYZ

tBodyAccMag

tGravityAccMag

tBodyAccJerkMag

tBodyGyroMag

tBodyGyroJerkMag

fBodyAcc-XYZ

fBodyAccJerk-XYZ

fBodyGyro-XYZ

fBodyAccMag

fBodyAccJerkMag

fBodyGyroMag

fBodyGyroJerkMag

The set of variables that were estimated from these signals in the result.txt file are:

mean(): Mean value

std(): Standard deviation

Additional vectors obtained by averaging the signals in a signal window sample. These are used on the angle() variable:

gravityMean

tBodyAccMean

tBodyAccJerkMean

tBodyGyroMean

tBodyGyroJerkMean

Codebook for result

Autogenerated data summary from dataMaid

2019-04-29 10:59:11

# Data report overview

The dataset examined has the following dimensions:

|  |  |
| --- | --- |
| Feature | Result |
| Number of observations | 10299 |
| Number of variables | 88 |

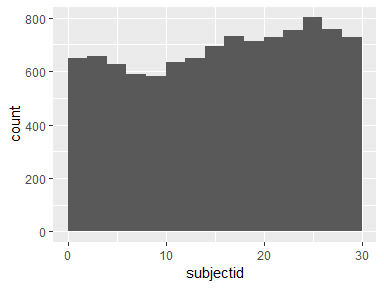
# Codebook summary table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Label | Variable | Class | # unique values | Missing | Description |
|  | [**subjectid**](#subjectid) | integer | 30 | 0.00 % |  |
|  | [**activity**](#activity) | factor | 6 | 0.00 % |  |
|  | [**tbodyaccmeanx**](#tbodyaccmeanx) | numeric | 10292 | 0.00 % |  |
|  | [**tbodyaccmeany**](#tbodyaccmeany) | numeric | 10299 | 0.00 % |  |
|  | [**tbodyaccmeanz**](#tbodyaccmeanz) | numeric | 10293 | 0.00 % |  |
|  | [**tbodyaccstdx**](#tbodyaccstdx) | numeric | 10295 | 0.00 % |  |
|  | [**tbodyaccstdy**](#tbodyaccstdy) | numeric | 10297 | 0.00 % |  |
|  | [**tbodyaccstdz**](#tbodyaccstdz) | numeric | 10297 | 0.00 % |  |
|  | [**tgravityaccmeanx**](#tgravityaccmeanx) | numeric | 10296 | 0.00 % |  |
|  | [**tgravityaccmeany**](#tgravityaccmeany) | numeric | 10298 | 0.00 % |  |
|  | [**tgravityaccmeanz**](#tgravityaccmeanz) | numeric | 10299 | 0.00 % |  |
|  | [**tgravityaccstdx**](#tgravityaccstdx) | numeric | 10288 | 0.00 % |  |
|  | [**tgravityaccstdy**](#tgravityaccstdy) | numeric | 10293 | 0.00 % |  |
|  | [**tgravityaccstdz**](#tgravityaccstdz) | numeric | 10296 | 0.00 % |  |
|  | [**tbodyaccjerkmeanx**](#tbodyaccjerkmeanx) | numeric | 10299 | 0.00 % |  |
|  | [**tbodyaccjerkmeany**](#tbodyaccjerkmeany) | numeric | 10299 | 0.00 % |  |
|  | [**tbodyaccjerkmeanz**](#tbodyaccjerkmeanz) | numeric | 10299 | 0.00 % |  |
|  | [**tbodyaccjerkstdx**](#tbodyaccjerkstdx) | numeric | 10290 | 0.00 % |  |
|  | [**tbodyaccjerkstdy**](#tbodyaccjerkstdy) | numeric | 10296 | 0.00 % |  |
|  | [**tbodyaccjerkstdz**](#tbodyaccjerkstdz) | numeric | 10293 | 0.00 % |  |
|  | [**tbodygyromeanx**](#tbodygyromeanx) | numeric | 10298 | 0.00 % |  |
|  | [**tbodygyromeany**](#tbodygyromeany) | numeric | 10299 | 0.00 % |  |
|  | [**tbodygyromeanz**](#tbodygyromeanz) | numeric | 10297 | 0.00 % |  |
|  | [**tbodygyrostdx**](#tbodygyrostdx) | numeric | 10292 | 0.00 % |  |
|  | [**tbodygyrostdy**](#tbodygyrostdy) | numeric | 10296 | 0.00 % |  |
|  | [**tbodygyrostdz**](#tbodygyrostdz) | numeric | 10296 | 0.00 % |  |
|  | [**tbodygyrojerkmeanx**](#tbodygyrojerkmeanx) | numeric | 10295 | 0.00 % |  |
|  | [**tbodygyrojerkmeany**](#tbodygyrojerkmeany) | numeric | 10299 | 0.00 % |  |
|  | [**tbodygyrojerkmeanz**](#tbodygyrojerkmeanz) | numeric | 10298 | 0.00 % |  |
|  | [**tbodygyrojerkstdx**](#tbodygyrojerkstdx) | numeric | 10292 | 0.00 % |  |
|  | [**tbodygyrojerkstdy**](#tbodygyrojerkstdy) | numeric | 10295 | 0.00 % |  |
|  | [**tbodygyrojerkstdz**](#tbodygyrojerkstdz) | numeric | 10291 | 0.00 % |  |
|  | [**tbodyaccmagmean**](#tbodyaccmagmean) | numeric | 10296 | 0.00 % |  |
|  | [**tbodyaccmagstd**](#tbodyaccmagstd) | numeric | 10294 | 0.00 % |  |
|  | [**tgravityaccmagmean**](#tgravityaccmagmean) | numeric | 10296 | 0.00 % |  |
|  | [**tgravityaccmagstd**](#tgravityaccmagstd) | numeric | 10294 | 0.00 % |  |
|  | [**tbodyaccjerkmagmean**](#tbodyaccjerkmagmean) | numeric | 10292 | 0.00 % |  |
|  | [**tbodyaccjerkmagstd**](#tbodyaccjerkmagstd) | numeric | 10294 | 0.00 % |  |
|  | [**tbodygyromagmean**](#tbodygyromagmean) | numeric | 10298 | 0.00 % |  |
|  | [**tbodygyromagstd**](#tbodygyromagstd) | numeric | 10298 | 0.00 % |  |
|  | [**tbodygyrojerkmagmean**](#tbodygyrojerkmagmean) | numeric | 10293 | 0.00 % |  |
|  | [**tbodygyrojerkmagstd**](#tbodygyrojerkmagstd) | numeric | 10297 | 0.00 % |  |
|  | [**fbodyaccmeanx**](#fbodyaccmeanx) | numeric | 10295 | 0.00 % |  |
|  | [**fbodyaccmeany**](#fbodyaccmeany) | numeric | 10292 | 0.00 % |  |
|  | [**fbodyaccmeanz**](#fbodyaccmeanz) | numeric | 10295 | 0.00 % |  |
|  | [**fbodyaccstdx**](#fbodyaccstdx) | numeric | 10294 | 0.00 % |  |
|  | [**fbodyaccstdy**](#fbodyaccstdy) | numeric | 10297 | 0.00 % |  |
|  | [**fbodyaccstdz**](#fbodyaccstdz) | numeric | 10296 | 0.00 % |  |
|  | [**fbodyaccmeanfreqx**](#fbodyaccmeanfreqx) | numeric | 10299 | 0.00 % |  |
|  | [**fbodyaccmeanfreqy**](#fbodyaccmeanfreqy) | numeric | 10299 | 0.00 % |  |
|  | [**fbodyaccmeanfreqz**](#fbodyaccmeanfreqz) | numeric | 10299 | 0.00 % |  |
|  | [**fbodyaccjerkmeanx**](#fbodyaccjerkmeanx) | numeric | 10293 | 0.00 % |  |
|  | [**fbodyaccjerkmeany**](#fbodyaccjerkmeany) | numeric | 10296 | 0.00 % |  |
|  | [**fbodyaccjerkmeanz**](#fbodyaccjerkmeanz) | numeric | 10294 | 0.00 % |  |
|  | [**fbodyaccjerkstdx**](#fbodyaccjerkstdx) | numeric | 10291 | 0.00 % |  |
|  | [**fbodyaccjerkstdy**](#fbodyaccjerkstdy) | numeric | 10294 | 0.00 % |  |
|  | [**fbodyaccjerkstdz**](#fbodyaccjerkstdz) | numeric | 10290 | 0.00 % |  |
|  | [**fbodyaccjerkmeanfreqx**](#fbodyaccjerkmeanfreqx) | numeric | 10298 | 0.00 % |  |
|  | [**fbodyaccjerkmeanfreqy**](#fbodyaccjerkmeanfreqy) | numeric | 10299 | 0.00 % |  |
|  | [**fbodyaccjerkmeanfreqz**](#fbodyaccjerkmeanfreqz) | numeric | 10298 | 0.00 % |  |
|  | [**fbodygyromeanx**](#fbodygyromeanx) | numeric | 10297 | 0.00 % |  |
|  | [**fbodygyromeany**](#fbodygyromeany) | numeric | 10296 | 0.00 % |  |
|  | [**fbodygyromeanz**](#fbodygyromeanz) | numeric | 10297 | 0.00 % |  |
|  | [**fbodygyrostdx**](#fbodygyrostdx) | numeric | 10297 | 0.00 % |  |
|  | [**fbodygyrostdy**](#fbodygyrostdy) | numeric | 10293 | 0.00 % |  |
|  | [**fbodygyrostdz**](#fbodygyrostdz) | numeric | 10295 | 0.00 % |  |
|  | [**fbodygyromeanfreqx**](#fbodygyromeanfreqx) | numeric | 10298 | 0.00 % |  |
|  | [**fbodygyromeanfreqy**](#fbodygyromeanfreqy) | numeric | 10299 | 0.00 % |  |
|  | [**fbodygyromeanfreqz**](#fbodygyromeanfreqz) | numeric | 10299 | 0.00 % |  |
|  | [**fbodyaccmagmean**](#fbodyaccmagmean) | numeric | 10296 | 0.00 % |  |
|  | [**fbodyaccmagstd**](#fbodyaccmagstd) | numeric | 10298 | 0.00 % |  |
|  | [**fbodyaccmagmeanfreq**](#fbodyaccmagmeanfreq) | numeric | 10299 | 0.00 % |  |
|  | [**fbodybodyaccjerkmagmean**](#fbodybodyaccjerkmagmean) | numeric | 10290 | 0.00 % |  |
|  | [**fbodybodyaccjerkmagstd**](#fbodybodyaccjerkmagstd) | numeric | 10296 | 0.00 % |  |
|  | [**fbodybodyaccjerkmagmeanfreq**](#fbodybodyaccjerkmagmeanfreq) | numeric | 10299 | 0.00 % |  |
|  | [**fbodybodygyromagmean**](#fbodybodygyromagmean) | numeric | 10297 | 0.00 % |  |
|  | [**fbodybodygyromagstd**](#fbodybodygyromagstd) | numeric | 10296 | 0.00 % |  |
|  | [**fbodybodygyromagmeanfreq**](#fbodybodygyromagmeanfreq) | numeric | 10299 | 0.00 % |  |
|  | [**fbodybodygyrojerkmagmean**](#fbodybodygyrojerkmagmean) | numeric | 10293 | 0.00 % |  |
|  | [**fbodybodygyrojerkmagstd**](#fbodybodygyrojerkmagstd) | numeric | 10292 | 0.00 % |  |
|  | [**fbodybodygyrojerkmagmeanfreq**](#fbodybodygyrojerkmagmeanfreq) | numeric | 10299 | 0.00 % |  |
|  | [**angletbodyaccmeangravity**](#angletbodyaccmeangravity) | numeric | 10299 | 0.00 % |  |
|  | [**angletbodyaccjerkmeangravitymean**](#angletbodyaccjerkmeangravitymean) | numeric | 10299 | 0.00 % |  |
|  | [**angletbodygyromeangravitymean**](#angletbodygyromeangravitymean) | numeric | 10299 | 0.00 % |  |
|  | [**angletbodygyrojerkmeangravitymean**](#angletbodygyrojerkmeangravitymean) | numeric | 10299 | 0.00 % |  |
|  | [**anglexgravitymean**](#anglexgravitymean) | numeric | 10299 | 0.00 % |  |
|  | [**angleygravitymean**](#angleygravitymean) | numeric | 10299 | 0.00 % |  |
|  | [**anglezgravitymean**](#anglezgravitymean) | numeric | 10299 | 0.00 % |  |

# Variable list

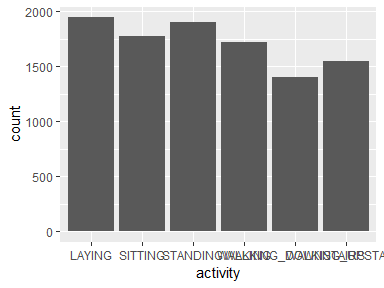
## subjectid

|  |  |
| --- | --- |
| 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 |



## activity

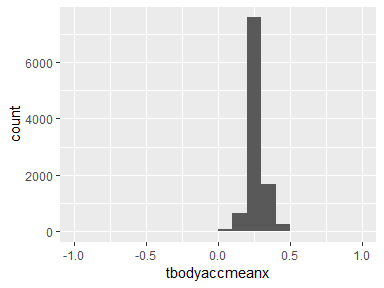
|  |  |
| --- | --- |
| Feature | Result |
| Variable type | factor |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 6 |
| Mode | “LAYING” |
| Reference category | LAYING |



* Observed factor levels: "LAYING", "SITTING", "STANDING", "WALKING", "WALKING\_DOWNSTAIRS", "WALKING\_UPSTAIRS".

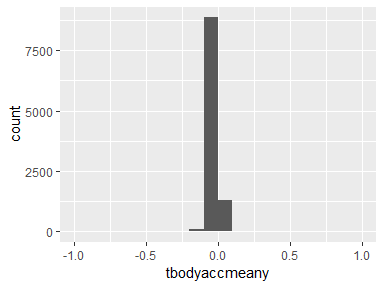
## tbodyaccmeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10292 |
| Median | 0.28 |
| 1st and 3rd quartiles | 0.26; 0.29 |
| Min. and max. | -1; 1 |



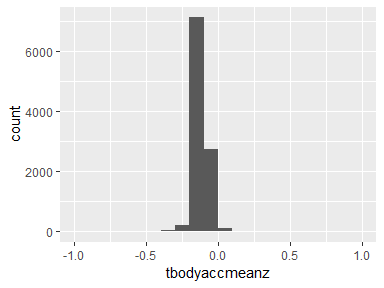
## tbodyaccmeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.02 |
| 1st and 3rd quartiles | -0.02; -0.01 |
| Min. and max. | -1; 1 |



## tbodyaccmeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10293 |
| Median | -0.11 |
| 1st and 3rd quartiles | -0.12; -0.1 |
| Min. and max. | -1; 1 |



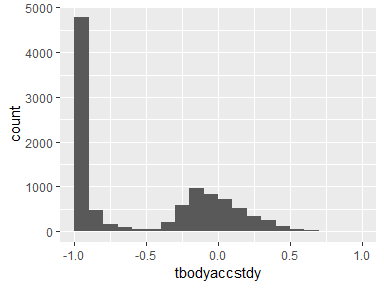
## tbodyaccstdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10295 |
| Median | -0.94 |
| 1st and 3rd quartiles | -0.99; -0.25 |
| Min. and max. | -1; 1 |



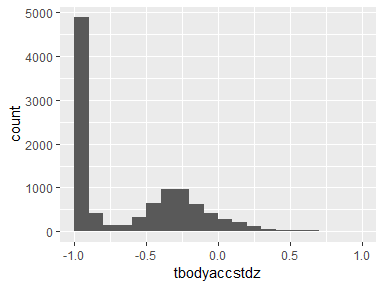
## tbodyaccstdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.84 |
| 1st and 3rd quartiles | -0.98; -0.06 |
| Min. and max. | -1; 1 |



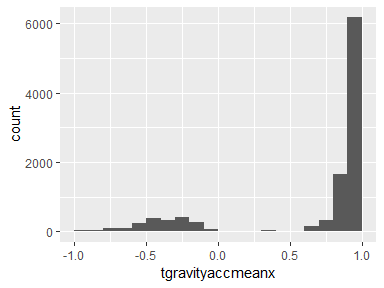
## tbodyaccstdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.85 |
| 1st and 3rd quartiles | -0.98; -0.28 |
| Min. and max. | -1; 1 |



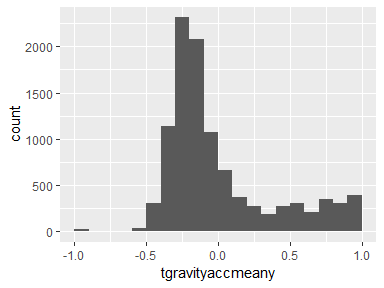
## tgravityaccmeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | 0.92 |
| 1st and 3rd quartiles | 0.81; 0.95 |
| Min. and max. | -1; 1 |



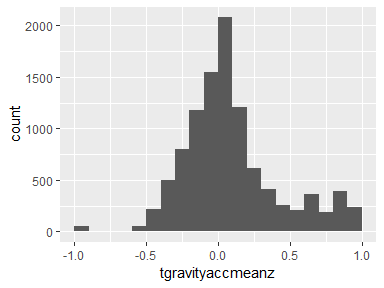
## tgravityaccmeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.14 |
| 1st and 3rd quartiles | -0.24; 0.12 |
| Min. and max. | -1; 1 |



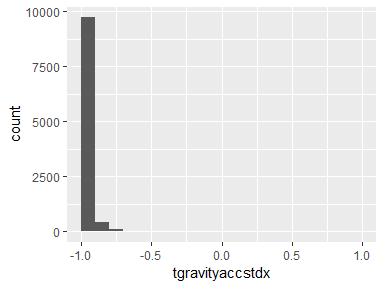
## tgravityaccmeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.04 |
| 1st and 3rd quartiles | -0.12; 0.22 |
| Min. and max. | -1; 1 |



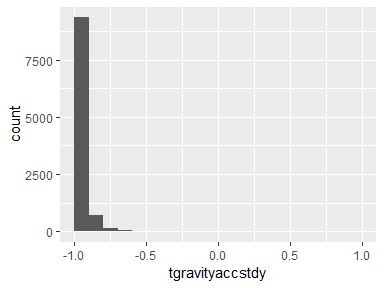
## tgravityaccstdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10288 |
| Median | -0.98 |
| 1st and 3rd quartiles | -0.99; -0.96 |
| Min. and max. | -1; 1 |



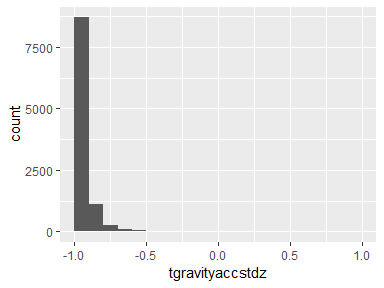
## tgravityaccstdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10293 |
| Median | -0.98 |
| 1st and 3rd quartiles | -0.99; -0.95 |
| Min. and max. | -1; 1 |



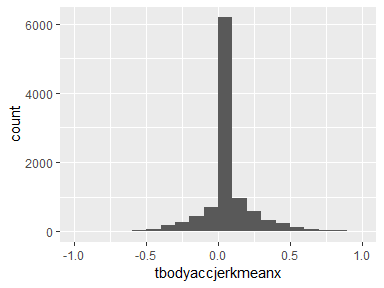
## tgravityaccstdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.97 |
| 1st and 3rd quartiles | -0.99; -0.93 |
| Min. and max. | -1; 1 |



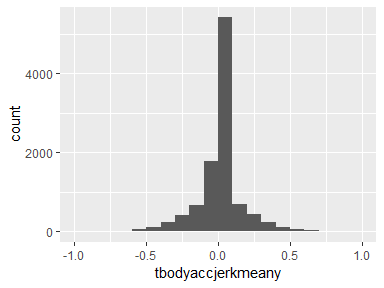
## tbodyaccjerkmeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.08 |
| 1st and 3rd quartiles | 0.06; 0.09 |
| Min. and max. | -1; 1 |



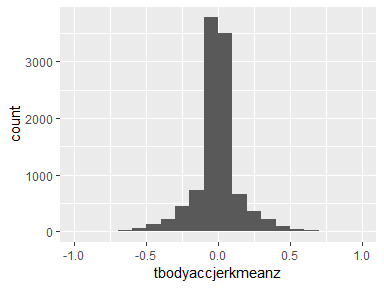
## tbodyaccjerkmeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.01 |
| 1st and 3rd quartiles | -0.02; 0.03 |
| Min. and max. | -1; 1 |



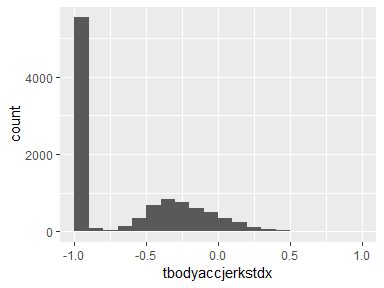
## tbodyaccjerkmeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0 |
| 1st and 3rd quartiles | -0.03; 0.02 |
| Min. and max. | -1; 1 |



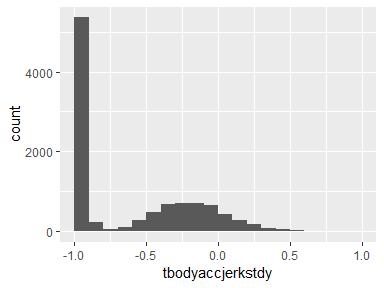
## tbodyaccjerkstdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10290 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.29 |
| Min. and max. | -1; 1 |



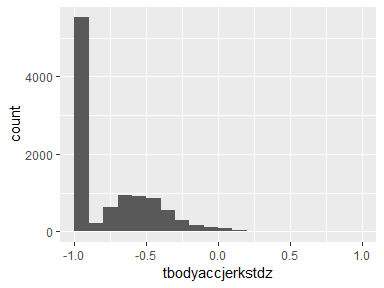
## tbodyaccjerkstdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.93 |
| 1st and 3rd quartiles | -0.99; -0.22 |
| Min. and max. | -1; 1 |



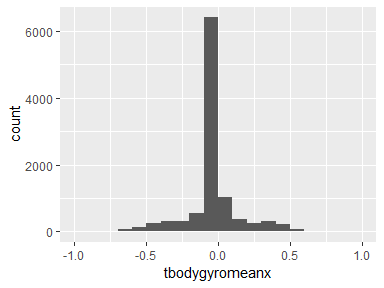
## tbodyaccjerkstdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10293 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.55 |
| Min. and max. | -1; 1 |



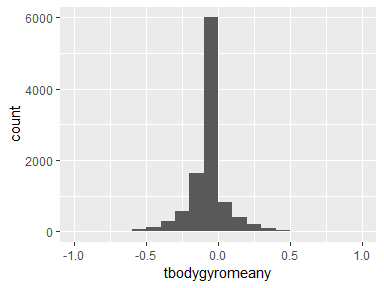
## tbodygyromeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.03 |
| 1st and 3rd quartiles | -0.05; -0.01 |
| Min. and max. | -1; 1 |



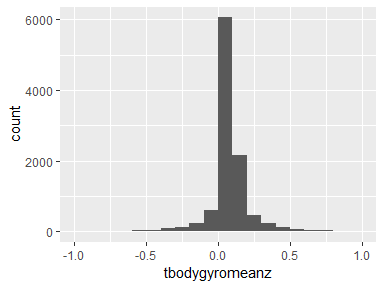
## tbodygyromeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.07 |
| 1st and 3rd quartiles | -0.1; -0.05 |
| Min. and max. | -1; 1 |



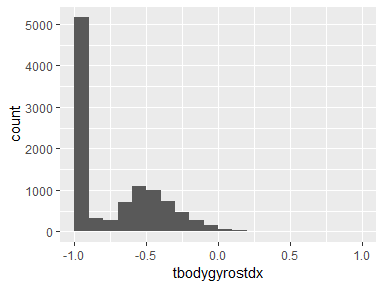
## tbodygyromeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | 0.09 |
| 1st and 3rd quartiles | 0.06; 0.11 |
| Min. and max. | -1; 1 |



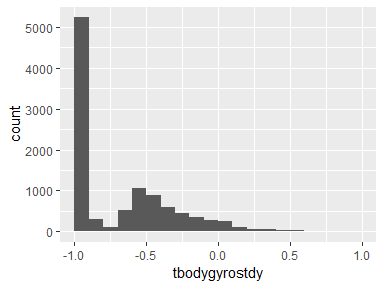
## tbodygyrostdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10292 |
| Median | -0.9 |
| 1st and 3rd quartiles | -0.99; -0.48 |
| Min. and max. | -1; 1 |



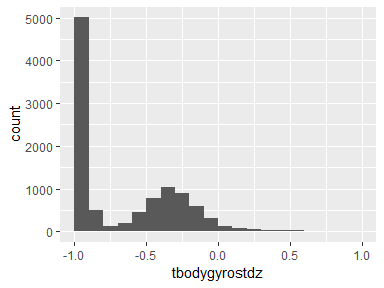
## tbodygyrostdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.91 |
| 1st and 3rd quartiles | -0.98; -0.45 |
| Min. and max. | -1; 1 |



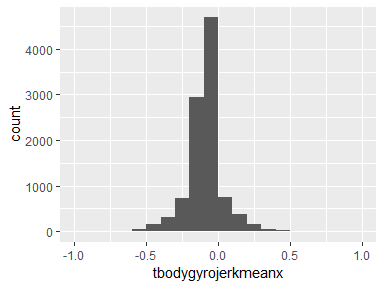
## tbodygyrostdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.99; -0.34 |
| Min. and max. | -1; 1 |



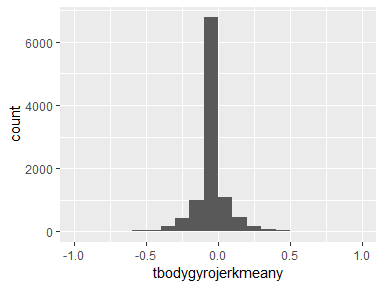
## tbodygyrojerkmeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10295 |
| Median | -0.1 |
| 1st and 3rd quartiles | -0.12; -0.08 |
| Min. and max. | -1; 1 |



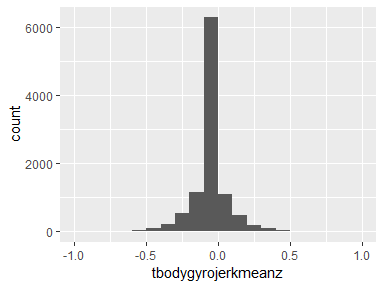
## tbodygyrojerkmeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.04 |
| 1st and 3rd quartiles | -0.06; -0.03 |
| Min. and max. | -1; 1 |



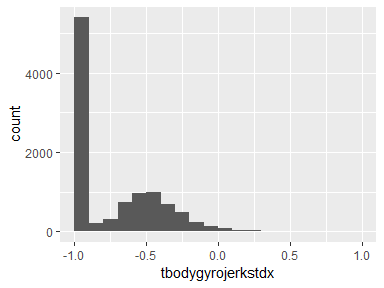
## tbodygyrojerkmeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.08; -0.03 |
| Min. and max. | -1; 1 |



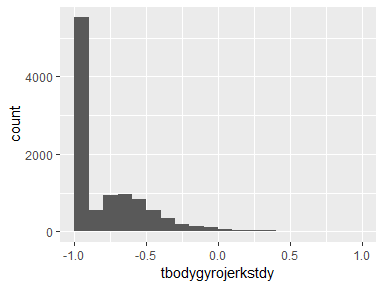
## tbodygyrojerkstdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10292 |
| Median | -0.93 |
| 1st and 3rd quartiles | -0.99; -0.49 |
| Min. and max. | -1; 1 |



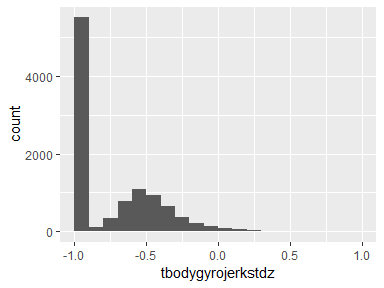
## tbodygyrojerkstdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10295 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.63 |
| Min. and max. | -1; 1 |



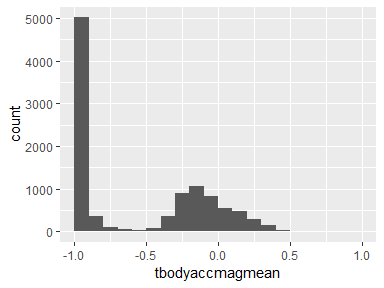
## tbodygyrojerkstdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10291 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.51 |
| Min. and max. | -1; 1 |



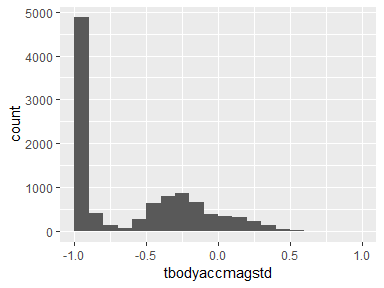
## tbodyaccmagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.87 |
| 1st and 3rd quartiles | -0.98; -0.12 |
| Min. and max. | -1; 1 |



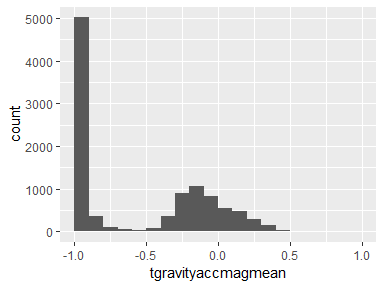
## tbodyaccmagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10294 |
| Median | -0.84 |
| 1st and 3rd quartiles | -0.98; -0.24 |
| Min. and max. | -1; 1 |



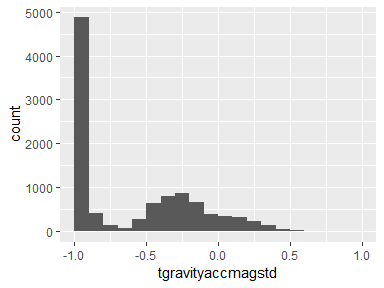
## tgravityaccmagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.87 |
| 1st and 3rd quartiles | -0.98; -0.12 |
| Min. and max. | -1; 1 |



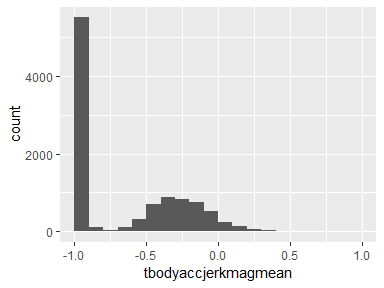
## tgravityaccmagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10294 |
| Median | -0.84 |
| 1st and 3rd quartiles | -0.98; -0.24 |
| Min. and max. | -1; 1 |



## tbodyaccjerkmagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10292 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.3 |
| Min. and max. | -1; 1 |



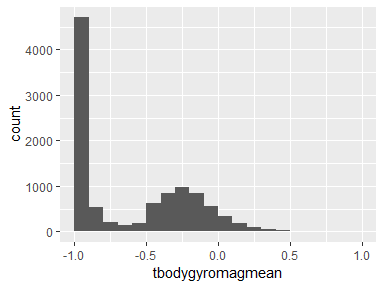
## tbodyaccjerkmagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10294 |
| Median | -0.93 |
| 1st and 3rd quartiles | -0.99; -0.27 |
| Min. and max. | -1; 1 |



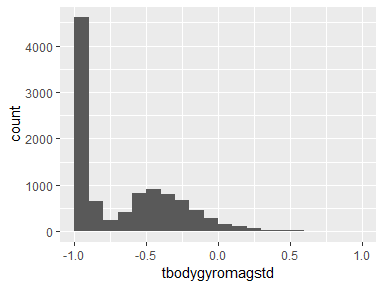
## tbodygyromagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.82 |
| 1st and 3rd quartiles | -0.98; -0.25 |
| Min. and max. | -1; 1 |



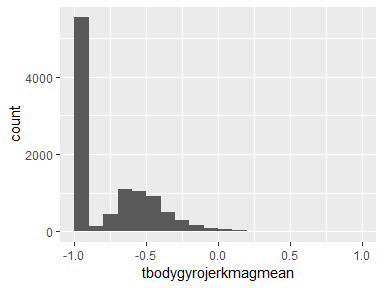
## tbodygyromagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.83 |
| 1st and 3rd quartiles | -0.98; -0.39 |
| Min. and max. | -1; 1 |



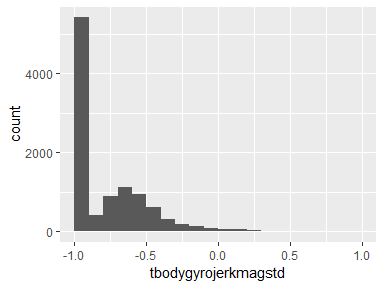
## tbodygyrojerkmagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10293 |
| Median | -0.96 |
| 1st and 3rd quartiles | -0.99; -0.55 |
| Min. and max. | -1; 1 |



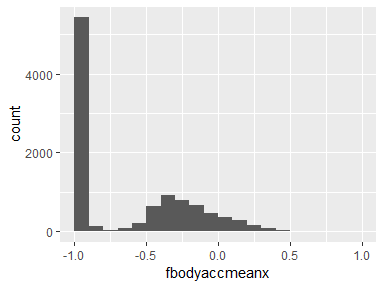
## tbodygyrojerkmagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.94 |
| 1st and 3rd quartiles | -0.99; -0.61 |
| Min. and max. | -1; 1 |



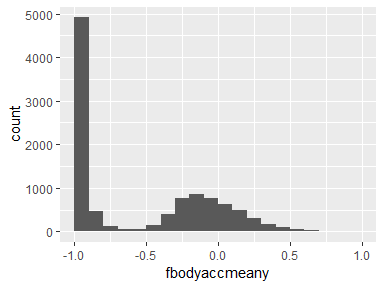
## fbodyaccmeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10295 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.26 |
| Min. and max. | -1; 1 |



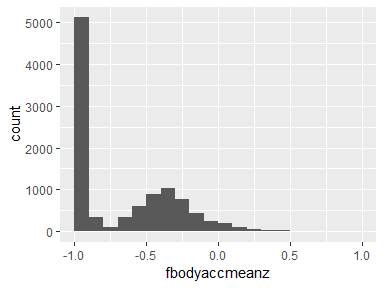
## fbodyaccmeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10292 |
| Median | -0.86 |
| 1st and 3rd quartiles | -0.98; -0.1 |
| Min. and max. | -1; 1 |



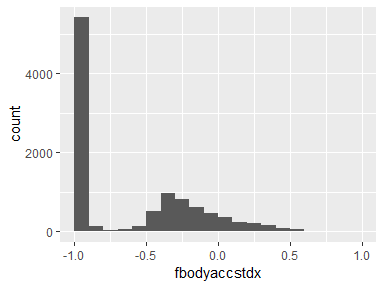
## fbodyaccmeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10295 |
| Median | -0.9 |
| 1st and 3rd quartiles | -0.98; -0.37 |
| Min. and max. | -1; 1 |



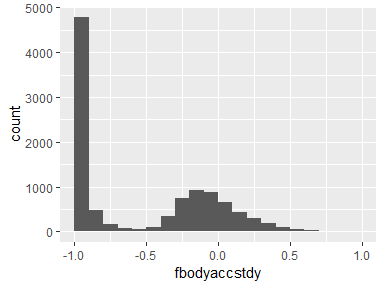
## fbodyaccstdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10294 |
| Median | -0.94 |
| 1st and 3rd quartiles | -0.99; -0.25 |
| Min. and max. | -1; 1 |



## fbodyaccstdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.83 |
| 1st and 3rd quartiles | -0.98; -0.09 |
| Min. and max. | -1; 1 |



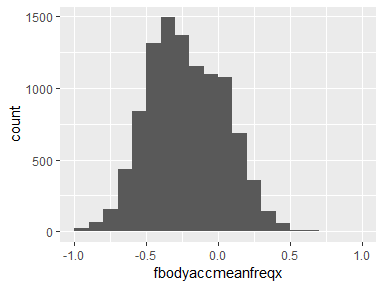
## fbodyaccstdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.84 |
| 1st and 3rd quartiles | -0.98; -0.3 |
| Min. and max. | -1; 1 |



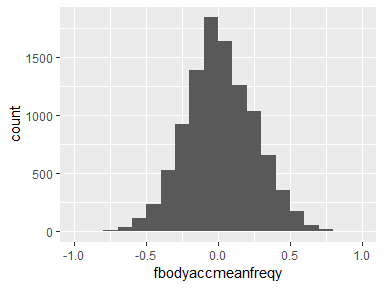
## fbodyaccmeanfreqx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.24 |
| 1st and 3rd quartiles | -0.42; -0.02 |
| Min. and max. | -1; 1 |



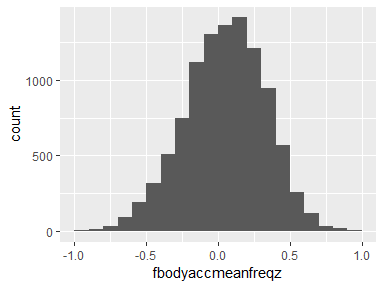
## fbodyaccmeanfreqy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0 |
| 1st and 3rd quartiles | -0.14; 0.18 |
| Min. and max. | -1; 1 |



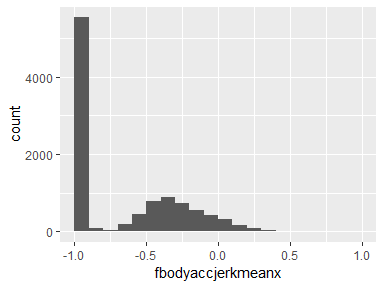
## fbodyaccmeanfreqz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.06 |
| 1st and 3rd quartiles | -0.14; 0.25 |
| Min. and max. | -1; 1 |



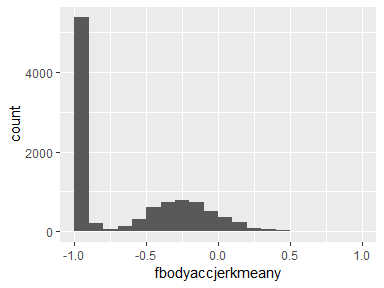
## fbodyaccjerkmeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10293 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.33 |
| Min. and max. | -1; 1 |



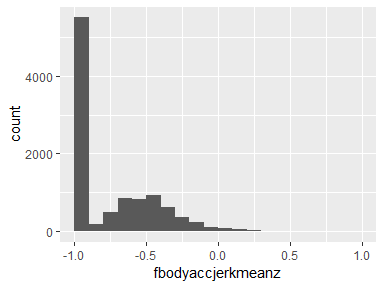
## fbodyaccjerkmeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.93 |
| 1st and 3rd quartiles | -0.98; -0.26 |
| Min. and max. | -1; 1 |



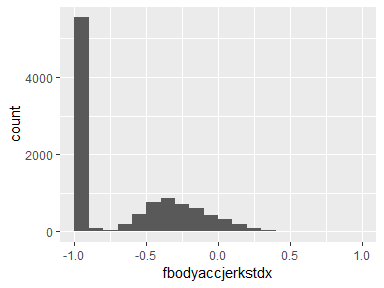
## fbodyaccjerkmeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10294 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.51 |
| Min. and max. | -1; 1 |



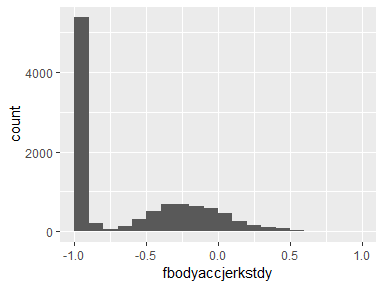
## fbodyaccjerkstdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10291 |
| Median | -0.96 |
| 1st and 3rd quartiles | -0.99; -0.32 |
| Min. and max. | -1; 1 |



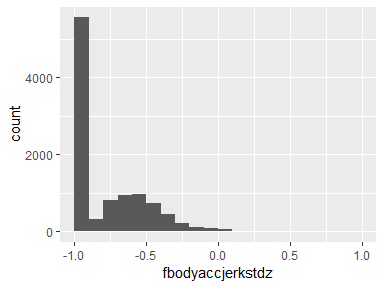
## fbodyaccjerkstdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10294 |
| Median | -0.93 |
| 1st and 3rd quartiles | -0.99; -0.24 |
| Min. and max. | -1; 1 |



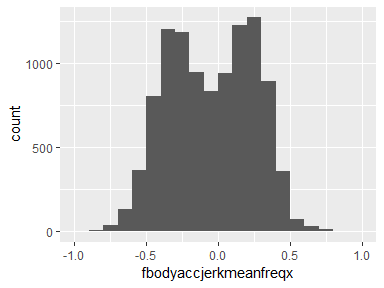
## fbodyaccjerkstdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10290 |
| Median | -0.96 |
| 1st and 3rd quartiles | -0.99; -0.59 |
| Min. and max. | -1; 1 |



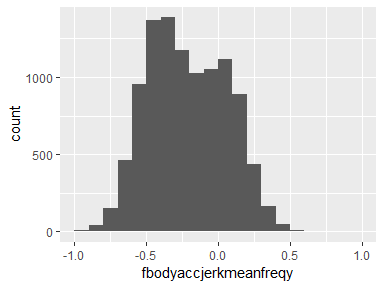
## fbodyaccjerkmeanfreqx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.3; 0.2 |
| Min. and max. | -1; 1 |



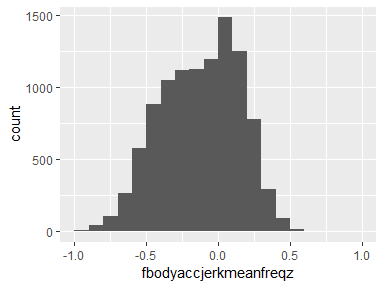
## fbodyaccjerkmeanfreqy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.24 |
| 1st and 3rd quartiles | -0.43; 0.01 |
| Min. and max. | -1; 1 |



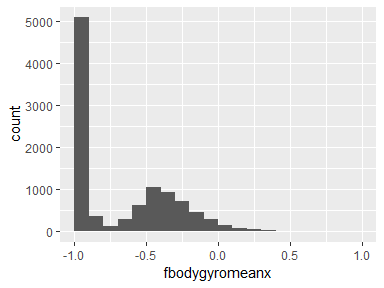
## fbodyaccjerkmeanfreqz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.1 |
| 1st and 3rd quartiles | -0.33; 0.09 |
| Min. and max. | -1; 1 |



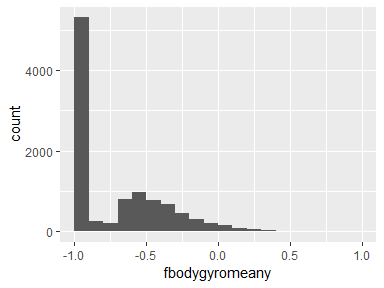
## fbodygyromeanx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.89 |
| 1st and 3rd quartiles | -0.99; -0.38 |
| Min. and max. | -1; 1 |



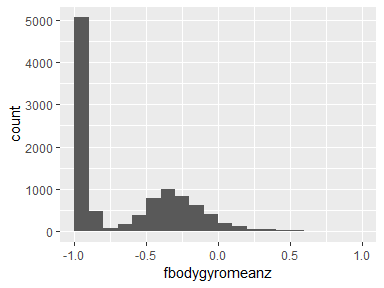
## fbodygyromeany

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.92 |
| 1st and 3rd quartiles | -0.98; -0.47 |
| Min. and max. | -1; 1 |



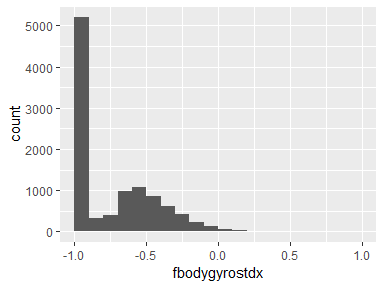
## fbodygyromeanz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.89 |
| 1st and 3rd quartiles | -0.99; -0.32 |
| Min. and max. | -1; 1 |



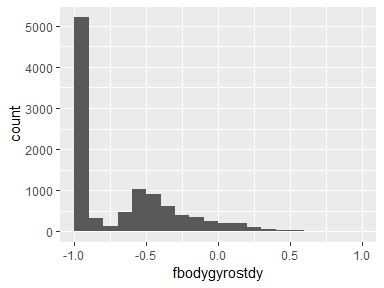
## fbodygyrostdx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.91 |
| 1st and 3rd quartiles | -0.99; -0.52 |
| Min. and max. | -1; 1 |



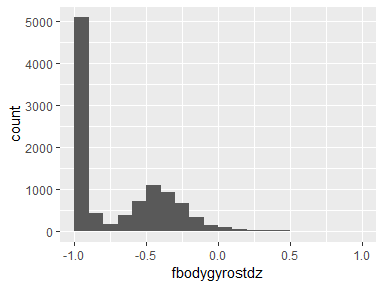
## fbodygyrostdy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10293 |
| Median | -0.91 |
| 1st and 3rd quartiles | -0.98; -0.44 |
| Min. and max. | -1; 1 |



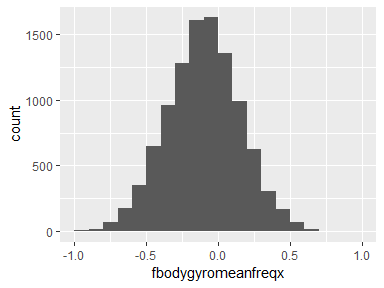
## fbodygyrostdz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10295 |
| Median | -0.89 |
| 1st and 3rd quartiles | -0.99; -0.42 |
| Min. and max. | -1; 1 |



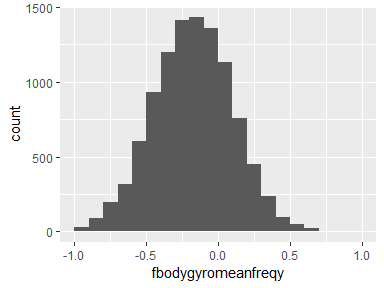
## fbodygyromeanfreqx

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.1 |
| 1st and 3rd quartiles | -0.27; 0.07 |
| Min. and max. | -1; 1 |



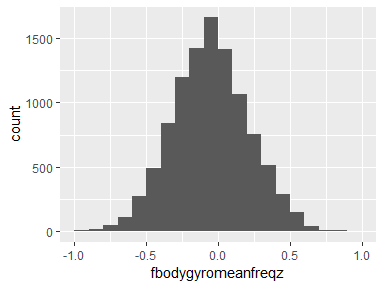
## fbodygyromeanfreqy

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.17 |
| 1st and 3rd quartiles | -0.36; 0.01 |
| Min. and max. | -1; 1 |



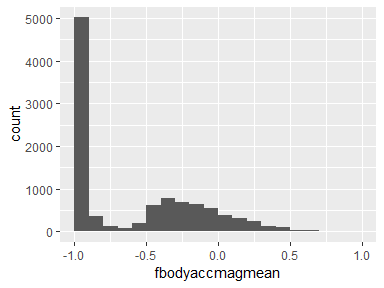
## fbodygyromeanfreqz

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.23; 0.12 |
| Min. and max. | -1; 1 |



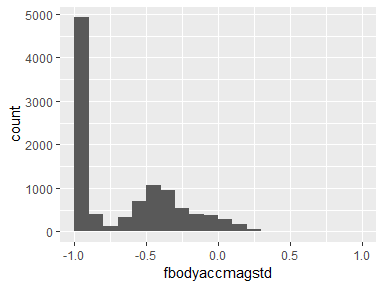
## fbodyaccmagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.98; -0.22 |
| Min. and max. | -1; 1 |



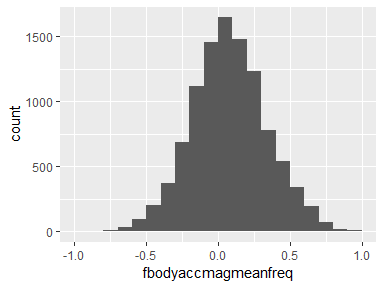
## fbodyaccmagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10298 |
| Median | -0.85 |
| 1st and 3rd quartiles | -0.98; -0.38 |
| Min. and max. | -1; 1 |



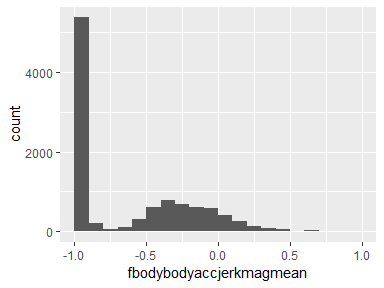
## fbodyaccmagmeanfreq

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.07 |
| 1st and 3rd quartiles | -0.1; 0.24 |
| Min. and max. | -1; 1 |



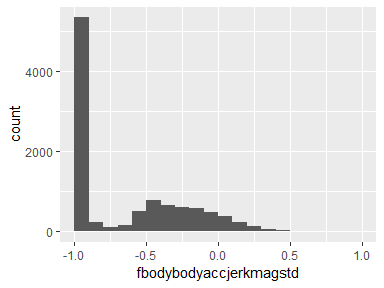
## fbodybodyaccjerkmagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10290 |
| Median | -0.93 |
| 1st and 3rd quartiles | -0.99; -0.26 |
| Min. and max. | -1; 1 |



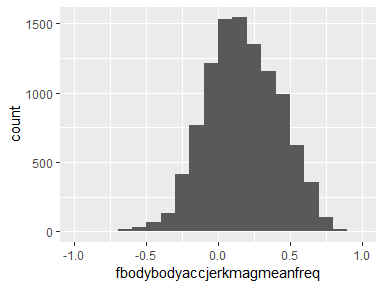
## fbodybodyaccjerkmagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.93 |
| 1st and 3rd quartiles | -0.99; -0.31 |
| Min. and max. | -1; 1 |



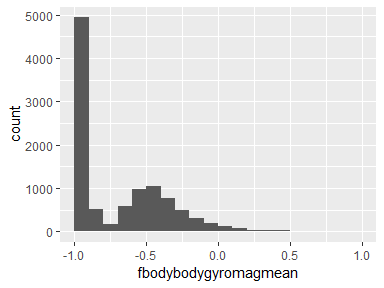
## fbodybodyaccjerkmagmeanfreq

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.16 |
| 1st and 3rd quartiles | 0; 0.36 |
| Min. and max. | -1; 1 |



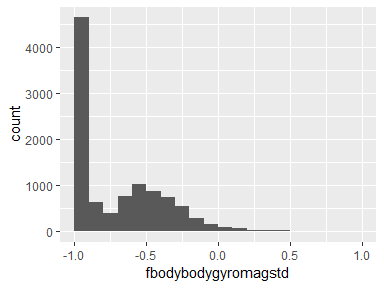
## fbodybodygyromagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10297 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.98; -0.45 |
| Min. and max. | -1; 1 |



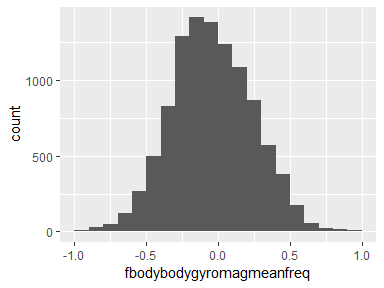
## fbodybodygyromagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10296 |
| Median | -0.83 |
| 1st and 3rd quartiles | -0.98; -0.47 |
| Min. and max. | -1; 1 |



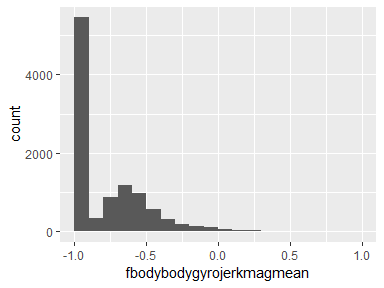
## fbodybodygyromagmeanfreq

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.23; 0.15 |
| Min. and max. | -1; 1 |



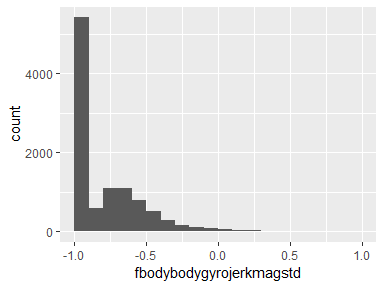
## fbodybodygyrojerkmagmean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10293 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.99; -0.61 |
| Min. and max. | -1; 1 |



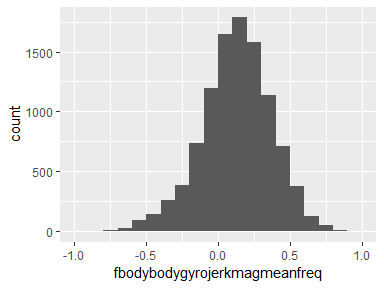
## fbodybodygyrojerkmagstd

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10292 |
| Median | -0.94 |
| 1st and 3rd quartiles | -0.99; -0.64 |
| Min. and max. | -1; 1 |



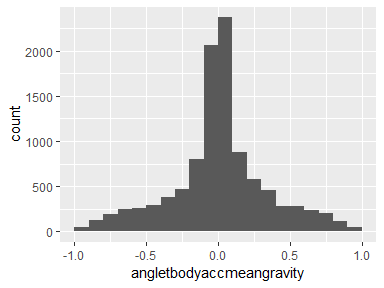
## fbodybodygyrojerkmagmeanfreq

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.14 |
| 1st and 3rd quartiles | -0.02; 0.29 |
| Min. and max. | -1; 1 |



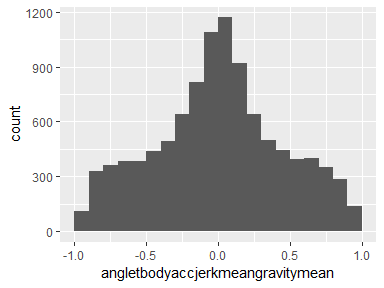
## angletbodyaccmeangravity

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.01 |
| 1st and 3rd quartiles | -0.12; 0.15 |
| Min. and max. | -1; 1 |



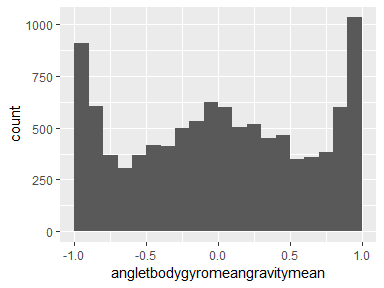
## angletbodyaccjerkmeangravitymean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.01 |
| 1st and 3rd quartiles | -0.29; 0.29 |
| Min. and max. | -1; 1 |



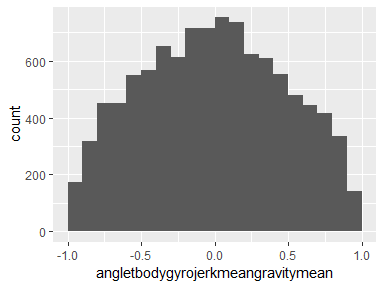
## angletbodygyromeangravitymean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.02 |
| 1st and 3rd quartiles | -0.49; 0.54 |
| Min. and max. | -1; 1 |



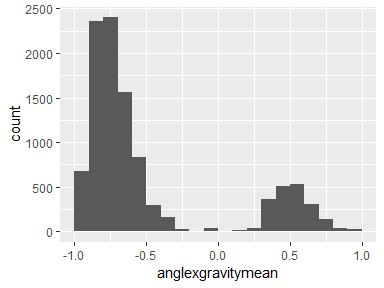
## angletbodygyrojerkmeangravitymean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.01 |
| 1st and 3rd quartiles | -0.39; 0.37 |
| Min. and max. | -1; 1 |



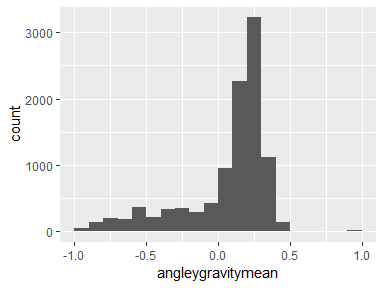
## anglexgravitymean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | -0.72 |
| 1st and 3rd quartiles | -0.82; -0.52 |
| Min. and max. | -1; 1 |



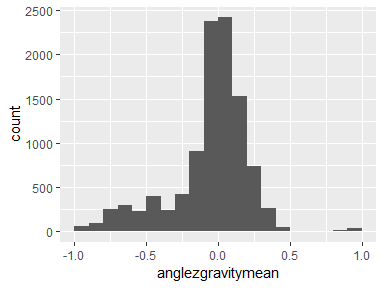
## angleygravitymean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0.18 |
| 1st and 3rd quartiles | 0; 0.25 |
| Min. and max. | -1; 1 |



## anglezgravitymean

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 10299 |
| Median | 0 |
| 1st and 3rd quartiles | -0.13; 0.1 |
| Min. and max. | -1; 1 |



Report generation information:

* Created by Michael Giangrande (username: giangrande\_m).
* Report creation time: Mon Apr 29 2019 10:59:20
* Report was run from directory: C:/Stuff/Rtesting/couseralinking/03\_GettingCleaningData/courseproject
* dataMaid v1.2.0 [Pkg: 2018-10-03 from CRAN (R 3.5.3)]
* R version 3.5.3 (2019-03-11).
* Platform: x86\_64-w64-mingw32/x64 (64-bit)(Windows >= 8 x64 (build 9200)).
* Function call: makeDataReport(data = result, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook\_result.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 result")