GACD Programming Assignment

Autogenerated data summary from dataMaid

2019-07-17 16:05:42

# Data report overview

The dataset examined has the following dimensions:

|  |  |
| --- | --- |
| Feature | Result |
| Number of observations | 180 |
| Number of variables | 88 |

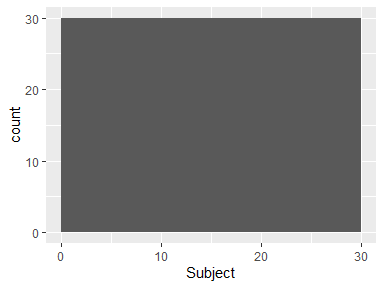
# Codebook summary table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Label | Variable | Class | # unique values | Missing | Description |
|  | [**Subject**](#subject) | integer | 30 | 0.00 % |  |
|  | [**Activity**](#activity) | character | 6 | 0.00 % |  |
|  | [**1 tBodyAcc-mean()-X**](#tbodyacc-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**2 tBodyAcc-mean()-Y**](#tbodyacc-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**3 tBodyAcc-mean()-Z**](#tbodyacc-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**41 tGravityAcc-mean()-X**](#tgravityacc-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**42 tGravityAcc-mean()-Y**](#tgravityacc-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**43 tGravityAcc-mean()-Z**](#tgravityacc-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**81 tBodyAccJerk-mean()-X**](#tbodyaccjerk-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**82 tBodyAccJerk-mean()-Y**](#tbodyaccjerk-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**83 tBodyAccJerk-mean()-Z**](#tbodyaccjerk-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**121 tBodyGyro-mean()-X**](#tbodygyro-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**122 tBodyGyro-mean()-Y**](#tbodygyro-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**123 tBodyGyro-mean()-Z**](#tbodygyro-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**161 tBodyGyroJerk-mean()-X**](#tbodygyrojerk-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**162 tBodyGyroJerk-mean()-Y**](#tbodygyrojerk-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**163 tBodyGyroJerk-mean()-Z**](#tbodygyrojerk-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**201 tBodyAccMag-mean()**](#tbodyaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**214 tGravityAccMag-mean()**](#tgravityaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**227 tBodyAccJerkMag-mean()**](#tbodyaccjerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**240 tBodyGyroMag-mean()**](#tbodygyromag-mean) | numeric | 180 | 0.00 % |  |
|  | [**253 tBodyGyroJerkMag-mean()**](#tbodygyrojerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**266 fBodyAcc-mean()-X**](#fbodyacc-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**267 fBodyAcc-mean()-Y**](#fbodyacc-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**268 fBodyAcc-mean()-Z**](#fbodyacc-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**294 fBodyAcc-meanFreq()-X**](#fbodyacc-meanfreq-x) | numeric | 180 | 0.00 % |  |
|  | [**295 fBodyAcc-meanFreq()-Y**](#fbodyacc-meanfreq-y) | numeric | 180 | 0.00 % |  |
|  | [**296 fBodyAcc-meanFreq()-Z**](#fbodyacc-meanfreq-z) | numeric | 180 | 0.00 % |  |
|  | [**345 fBodyAccJerk-mean()-X**](#fbodyaccjerk-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**346 fBodyAccJerk-mean()-Y**](#fbodyaccjerk-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**347 fBodyAccJerk-mean()-Z**](#fbodyaccjerk-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**373 fBodyAccJerk-meanFreq()-X**](#fbodyaccjerk-meanfreq-x) | numeric | 180 | 0.00 % |  |
|  | [**374 fBodyAccJerk-meanFreq()-Y**](#fbodyaccjerk-meanfreq-y) | numeric | 180 | 0.00 % |  |
|  | [**375 fBodyAccJerk-meanFreq()-Z**](#fbodyaccjerk-meanfreq-z) | numeric | 180 | 0.00 % |  |
|  | [**424 fBodyGyro-mean()-X**](#fbodygyro-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**425 fBodyGyro-mean()-Y**](#fbodygyro-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**426 fBodyGyro-mean()-Z**](#fbodygyro-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**452 fBodyGyro-meanFreq()-X**](#fbodygyro-meanfreq-x) | numeric | 180 | 0.00 % |  |
|  | [**453 fBodyGyro-meanFreq()-Y**](#fbodygyro-meanfreq-y) | numeric | 180 | 0.00 % |  |
|  | [**454 fBodyGyro-meanFreq()-Z**](#fbodygyro-meanfreq-z) | numeric | 180 | 0.00 % |  |
|  | [**503 fBodyAccMag-mean()**](#fbodyaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**513 fBodyAccMag-meanFreq()**](#fbodyaccmag-meanfreq) | numeric | 180 | 0.00 % |  |
|  | [**516 fBodyBodyAccJerkMag-mean()**](#fbodybodyaccjerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**526 fBodyBodyAccJerkMag-meanFreq()**](#fbodybodyaccjerkmag-meanfreq) | numeric | 180 | 0.00 % |  |
|  | [**529 fBodyBodyGyroMag-mean()**](#fbodybodygyromag-mean) | numeric | 180 | 0.00 % |  |
|  | [**539 fBodyBodyGyroMag-meanFreq()**](#fbodybodygyromag-meanfreq) | numeric | 180 | 0.00 % |  |
|  | [**542 fBodyBodyGyroJerkMag-mean()**](#fbodybodygyrojerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**552 fBodyBodyGyroJerkMag-meanFreq()**](#fbodybodygyrojerkmag-meanfreq) | numeric | 180 | 0.00 % |  |
|  | [**555 angle(tBodyAccMean,gravity)**](#angletbodyaccmeangravity) | numeric | 180 | 0.00 % |  |
|  | [**556 angle(tBodyAccJerkMean),gravityMean)**](#angletbodyaccjerkmeangravitymean) | numeric | 180 | 0.00 % |  |
|  | [**557 angle(tBodyGyroMean,gravityMean)**](#angletbodygyromeangravitymean) | numeric | 180 | 0.00 % |  |
|  | [**558 angle(tBodyGyroJerkMean,gravityMean)**](#angletbodygyrojerkmeangravitymean) | numeric | 180 | 0.00 % |  |
|  | [**559 angle(X,gravityMean)**](#anglexgravitymean) | numeric | 180 | 0.00 % |  |
|  | [**560 angle(Y,gravityMean)**](#angleygravitymean) | numeric | 180 | 0.00 % |  |
|  | [**561 angle(Z,gravityMean)**](#anglezgravitymean) | numeric | 180 | 0.00 % |  |
|  | [**4 tBodyAcc-std()-X**](#tbodyacc-std-x) | numeric | 180 | 0.00 % |  |
|  | [**5 tBodyAcc-std()-Y**](#tbodyacc-std-y) | numeric | 180 | 0.00 % |  |
|  | [**6 tBodyAcc-std()-Z**](#tbodyacc-std-z) | numeric | 180 | 0.00 % |  |
|  | [**44 tGravityAcc-std()-X**](#tgravityacc-std-x) | numeric | 180 | 0.00 % |  |
|  | [**45 tGravityAcc-std()-Y**](#tgravityacc-std-y) | numeric | 180 | 0.00 % |  |
|  | [**46 tGravityAcc-std()-Z**](#tgravityacc-std-z) | numeric | 180 | 0.00 % |  |
|  | [**84 tBodyAccJerk-std()-X**](#tbodyaccjerk-std-x) | numeric | 180 | 0.00 % |  |
|  | [**85 tBodyAccJerk-std()-Y**](#tbodyaccjerk-std-y) | numeric | 180 | 0.00 % |  |
|  | [**86 tBodyAccJerk-std()-Z**](#tbodyaccjerk-std-z) | numeric | 180 | 0.00 % |  |
|  | [**124 tBodyGyro-std()-X**](#tbodygyro-std-x) | numeric | 180 | 0.00 % |  |
|  | [**125 tBodyGyro-std()-Y**](#tbodygyro-std-y) | numeric | 180 | 0.00 % |  |
|  | [**126 tBodyGyro-std()-Z**](#tbodygyro-std-z) | numeric | 180 | 0.00 % |  |
|  | [**164 tBodyGyroJerk-std()-X**](#tbodygyrojerk-std-x) | numeric | 180 | 0.00 % |  |
|  | [**165 tBodyGyroJerk-std()-Y**](#tbodygyrojerk-std-y) | numeric | 180 | 0.00 % |  |
|  | [**166 tBodyGyroJerk-std()-Z**](#tbodygyrojerk-std-z) | numeric | 180 | 0.00 % |  |
|  | [**202 tBodyAccMag-std()**](#tbodyaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**215 tGravityAccMag-std()**](#tgravityaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**228 tBodyAccJerkMag-std()**](#tbodyaccjerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**241 tBodyGyroMag-std()**](#tbodygyromag-std) | numeric | 180 | 0.00 % |  |
|  | [**254 tBodyGyroJerkMag-std()**](#tbodygyrojerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**269 fBodyAcc-std()-X**](#fbodyacc-std-x) | numeric | 180 | 0.00 % |  |
|  | [**270 fBodyAcc-std()-Y**](#fbodyacc-std-y) | numeric | 180 | 0.00 % |  |
|  | [**271 fBodyAcc-std()-Z**](#fbodyacc-std-z) | numeric | 180 | 0.00 % |  |
|  | [**348 fBodyAccJerk-std()-X**](#fbodyaccjerk-std-x) | numeric | 180 | 0.00 % |  |
|  | [**349 fBodyAccJerk-std()-Y**](#fbodyaccjerk-std-y) | numeric | 180 | 0.00 % |  |
|  | [**350 fBodyAccJerk-std()-Z**](#fbodyaccjerk-std-z) | numeric | 180 | 0.00 % |  |
|  | [**427 fBodyGyro-std()-X**](#fbodygyro-std-x) | numeric | 180 | 0.00 % |  |
|  | [**428 fBodyGyro-std()-Y**](#fbodygyro-std-y) | numeric | 180 | 0.00 % |  |
|  | [**429 fBodyGyro-std()-Z**](#fbodygyro-std-z) | numeric | 180 | 0.00 % |  |
|  | [**504 fBodyAccMag-std()**](#fbodyaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**517 fBodyBodyAccJerkMag-std()**](#fbodybodyaccjerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**530 fBodyBodyGyroMag-std()**](#fbodybodygyromag-std) | numeric | 180 | 0.00 % |  |
|  | [**543 fBodyBodyGyroJerkMag-std()**](#fbodybodygyrojerkmag-std) | numeric | 180 | 0.00 % |  |

# Variable list

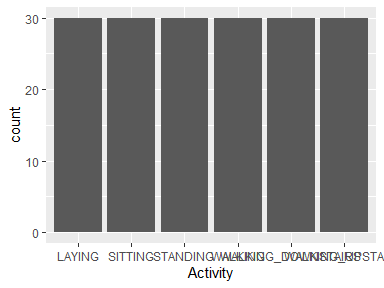
## Subject

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 30 |
| Median | 15.5 |
| 1st and 3rd quartiles | 8; 23 |
| Min. and max. | 1; 30 |



## Activity

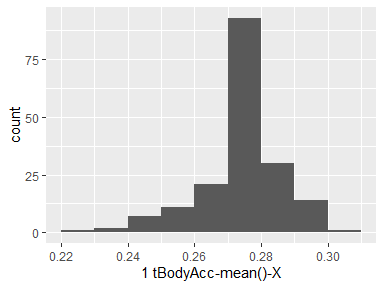
|  |  |
| --- | --- |
| Feature | Result |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 6 |
| Mode | “LAYING” |



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

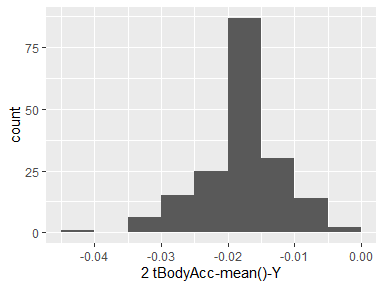
## 1 tBodyAcc-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.28 |
| 1st and 3rd quartiles | 0.27; 0.28 |
| Min. and max. | 0.22; 0.3 |



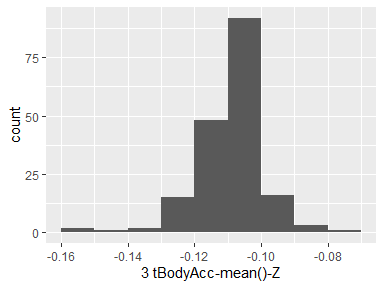
## 2 tBodyAcc-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.02 |
| 1st and 3rd quartiles | -0.02; -0.01 |
| Min. and max. | -0.04; 0 |



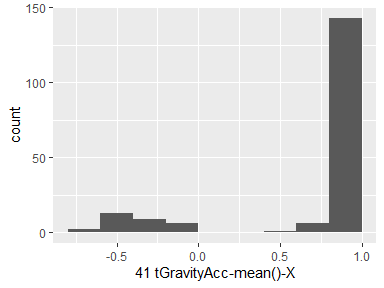
## 3 tBodyAcc-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.11 |
| 1st and 3rd quartiles | -0.11; -0.1 |
| Min. and max. | -0.15; -0.08 |



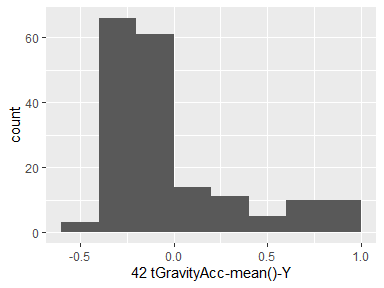
## 41 tGravityAcc-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.92 |
| 1st and 3rd quartiles | 0.84; 0.94 |
| Min. and max. | -0.68; 0.97 |



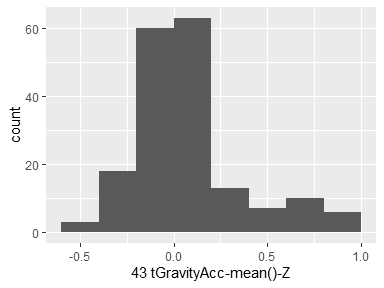
## 42 tGravityAcc-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.13 |
| 1st and 3rd quartiles | -0.23; 0.09 |
| Min. and max. | -0.48; 0.96 |



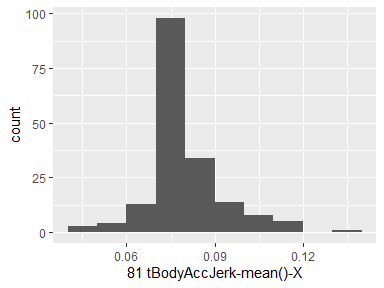
## 43 tGravityAcc-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.02 |
| 1st and 3rd quartiles | -0.12; 0.15 |
| Min. and max. | -0.5; 0.96 |



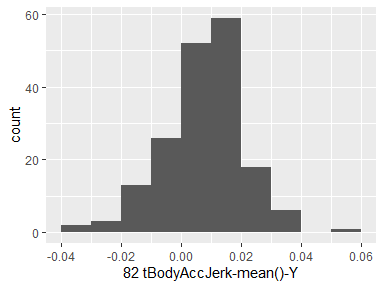
## 81 tBodyAccJerk-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.08 |
| 1st and 3rd quartiles | 0.07; 0.08 |
| Min. and max. | 0.04; 0.13 |



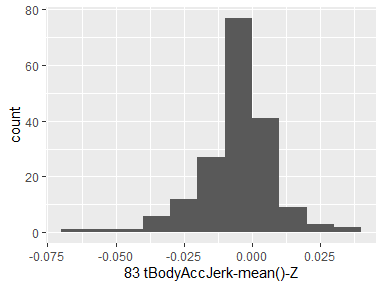
## 82 tBodyAccJerk-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.01 |
| 1st and 3rd quartiles | 0; 0.01 |
| Min. and max. | -0.04; 0.06 |



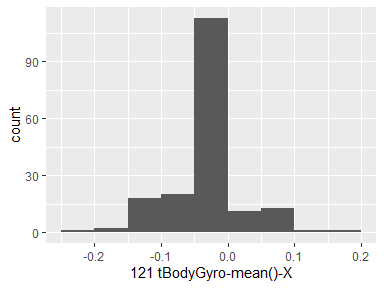
## 83 tBodyAccJerk-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0 |
| 1st and 3rd quartiles | -0.01; 0 |
| Min. and max. | -0.07; 0.04 |



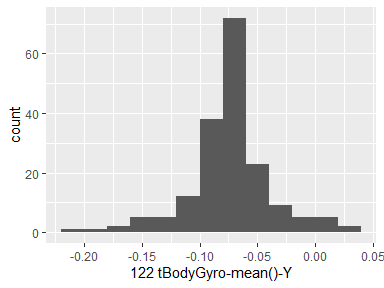
## 121 tBodyGyro-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.03 |
| 1st and 3rd quartiles | -0.05; -0.02 |
| Min. and max. | -0.21; 0.19 |



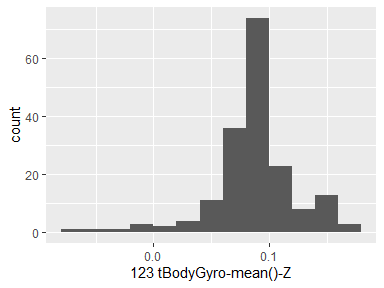
## 122 tBodyGyro-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.07 |
| 1st and 3rd quartiles | -0.09; -0.06 |
| Min. and max. | -0.2; 0.03 |



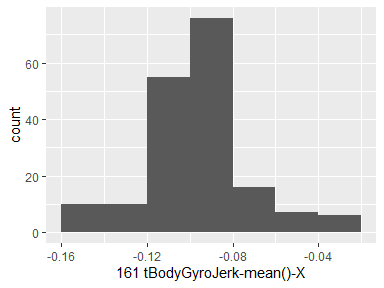
## 123 tBodyGyro-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.09 |
| 1st and 3rd quartiles | 0.07; 0.1 |
| Min. and max. | -0.07; 0.18 |



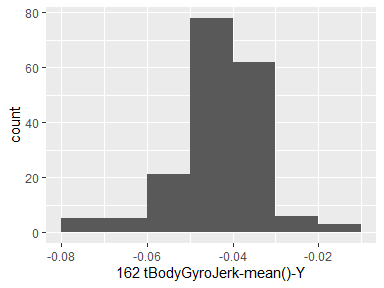
## 161 tBodyGyroJerk-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.1 |
| 1st and 3rd quartiles | -0.1; -0.09 |
| Min. and max. | -0.16; -0.02 |



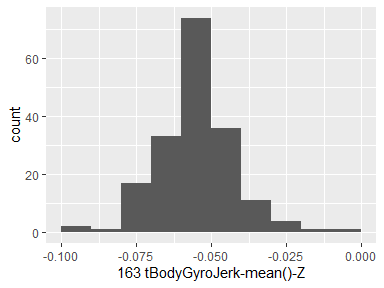
## 162 tBodyGyroJerk-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.04 |
| 1st and 3rd quartiles | -0.05; -0.04 |
| Min. and max. | -0.08; -0.01 |



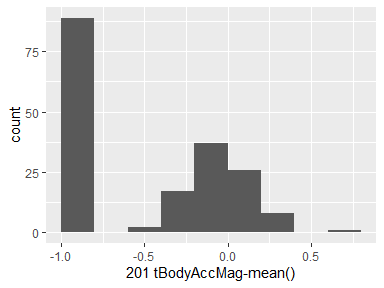
## 163 tBodyGyroJerk-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.06; -0.05 |
| Min. and max. | -0.09; -0.01 |



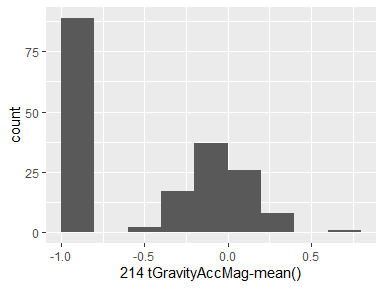
## 201 tBodyAccMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.48 |
| 1st and 3rd quartiles | -0.96; -0.09 |
| Min. and max. | -0.99; 0.64 |



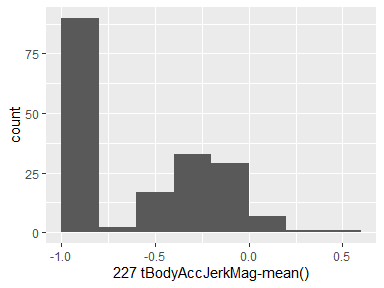
## 214 tGravityAccMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.48 |
| 1st and 3rd quartiles | -0.96; -0.09 |
| Min. and max. | -0.99; 0.64 |



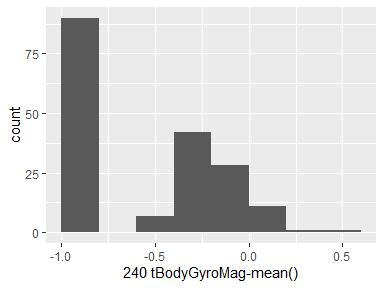
## 227 tBodyAccJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.82 |
| 1st and 3rd quartiles | -0.98; -0.25 |
| Min. and max. | -0.99; 0.43 |



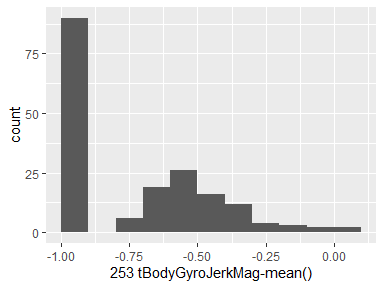
## 240 tBodyGyroMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.66 |
| 1st and 3rd quartiles | -0.95; -0.22 |
| Min. and max. | -0.98; 0.42 |



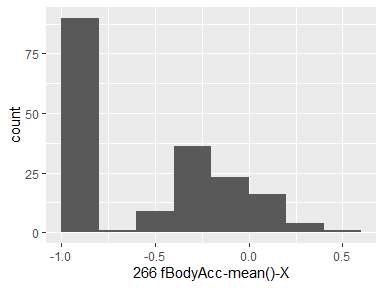
## 253 tBodyGyroJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.86 |
| 1st and 3rd quartiles | -0.99; -0.51 |
| Min. and max. | -1; 0.09 |



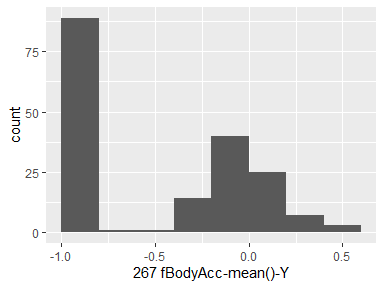
## 266 fBodyAcc-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.77 |
| 1st and 3rd quartiles | -0.98; -0.22 |
| Min. and max. | -1; 0.54 |



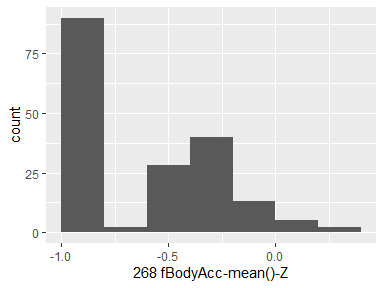
## 267 fBodyAcc-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.59 |
| 1st and 3rd quartiles | -0.95; -0.06 |
| Min. and max. | -0.99; 0.52 |



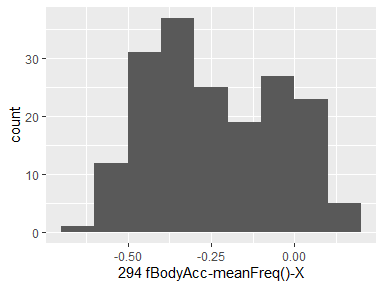
## 268 fBodyAcc-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.72 |
| 1st and 3rd quartiles | -0.96; -0.32 |
| Min. and max. | -0.99; 0.28 |



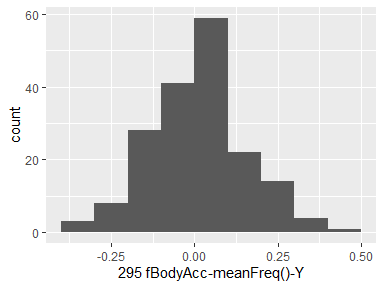
## 294 fBodyAcc-meanFreq()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.26 |
| 1st and 3rd quartiles | -0.39; -0.06 |
| Min. and max. | -0.64; 0.16 |



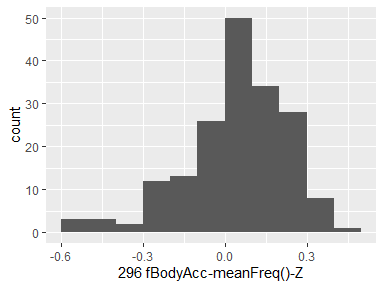
## 295 fBodyAcc-meanFreq()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.01 |
| 1st and 3rd quartiles | -0.08; 0.09 |
| Min. and max. | -0.38; 0.47 |



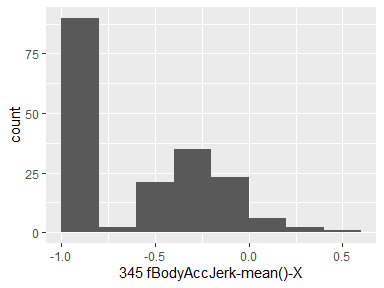
## 296 fBodyAcc-meanFreq()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.07 |
| 1st and 3rd quartiles | -0.04; 0.18 |
| Min. and max. | -0.52; 0.4 |



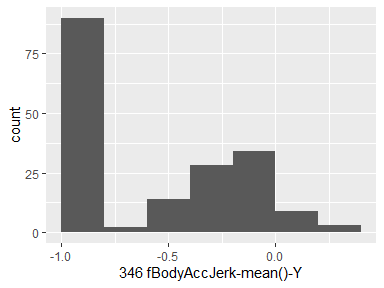
## 345 fBodyAccJerk-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.98; -0.28 |
| Min. and max. | -0.99; 0.47 |



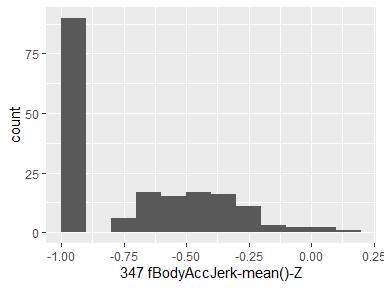
## 346 fBodyAccJerk-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.78 |
| 1st and 3rd quartiles | -0.97; -0.2 |
| Min. and max. | -0.99; 0.28 |



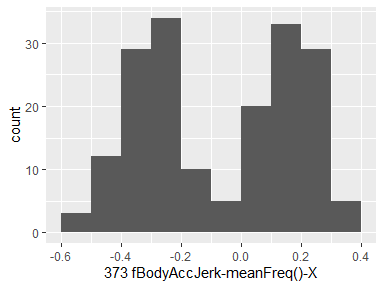
## 347 fBodyAccJerk-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.87 |
| 1st and 3rd quartiles | -0.98; -0.47 |
| Min. and max. | -0.99; 0.16 |



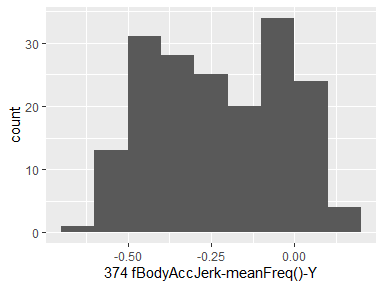
## 373 fBodyAccJerk-meanFreq()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.06 |
| 1st and 3rd quartiles | -0.29; 0.18 |
| Min. and max. | -0.58; 0.33 |



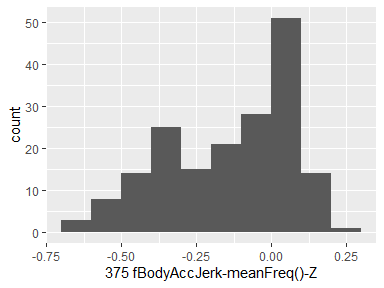
## 374 fBodyAccJerk-meanFreq()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.23 |
| 1st and 3rd quartiles | -0.4; -0.05 |
| Min. and max. | -0.6; 0.2 |



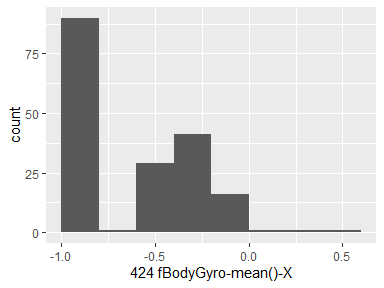
## 375 fBodyAccJerk-meanFreq()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.09 |
| 1st and 3rd quartiles | -0.31; 0.04 |
| Min. and max. | -0.63; 0.23 |



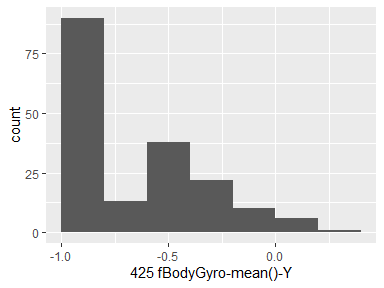
## 424 fBodyGyro-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.73 |
| 1st and 3rd quartiles | -0.97; -0.34 |
| Min. and max. | -0.99; 0.47 |



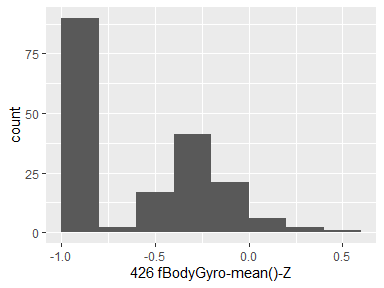
## 425 fBodyGyro-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.97; -0.45 |
| Min. and max. | -0.99; 0.33 |



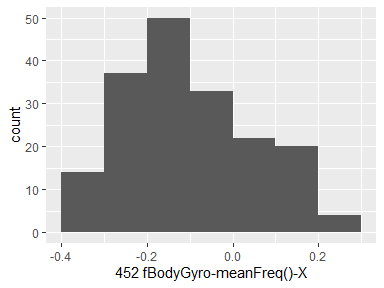
## 426 fBodyGyro-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.96; -0.26 |
| Min. and max. | -0.99; 0.49 |



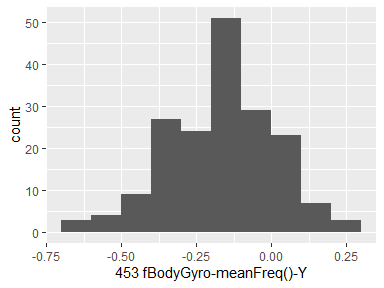
## 452 fBodyGyro-meanFreq()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.12 |
| 1st and 3rd quartiles | -0.21; 0 |
| Min. and max. | -0.4; 0.25 |



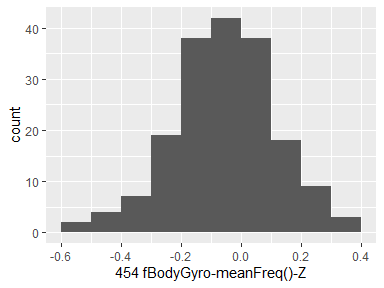
## 453 fBodyGyro-meanFreq()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.16 |
| 1st and 3rd quartiles | -0.29; -0.04 |
| Min. and max. | -0.67; 0.27 |



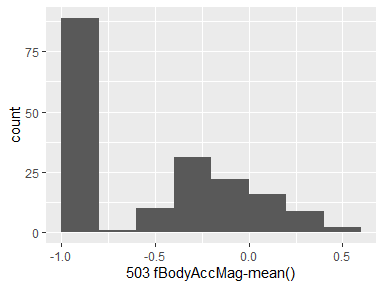
## 454 fBodyGyro-meanFreq()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.15; 0.04 |
| Min. and max. | -0.51; 0.38 |



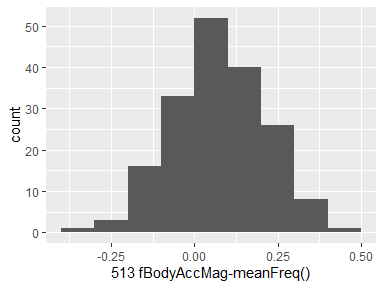
## 503 fBodyAccMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.67 |
| 1st and 3rd quartiles | -0.96; -0.16 |
| Min. and max. | -0.99; 0.59 |



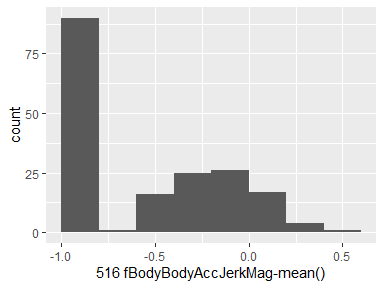
## 513 fBodyAccMag-meanFreq()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.08 |
| 1st and 3rd quartiles | -0.01; 0.17 |
| Min. and max. | -0.31; 0.44 |



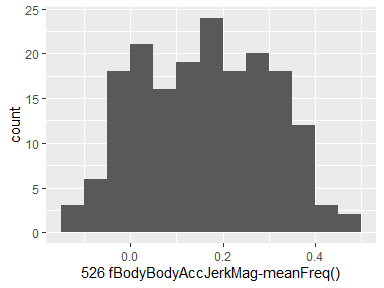
## 516 fBodyBodyAccJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.98; -0.19 |
| Min. and max. | -0.99; 0.54 |



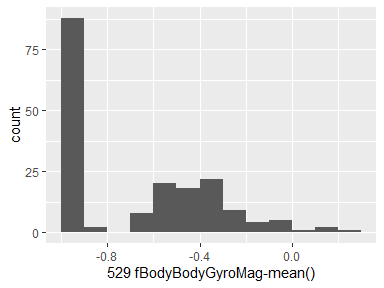
## 526 fBodyBodyAccJerkMag-meanFreq()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.17 |
| 1st and 3rd quartiles | 0.05; 0.28 |
| Min. and max. | -0.13; 0.49 |



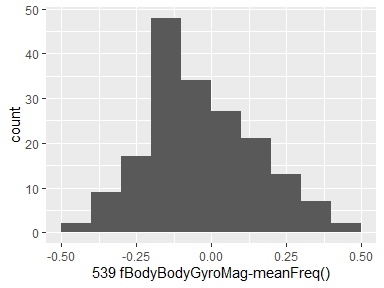
## 529 fBodyBodyGyroMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.77 |
| 1st and 3rd quartiles | -0.96; -0.41 |
| Min. and max. | -0.99; 0.2 |



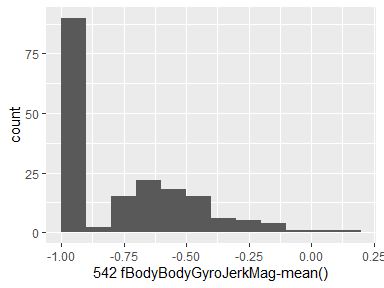
## 539 fBodyBodyGyroMag-meanFreq()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.17; 0.08 |
| Min. and max. | -0.46; 0.41 |



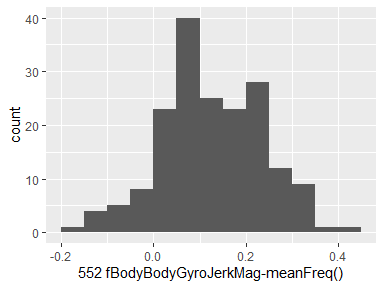
## 542 fBodyBodyGyroJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.98; -0.58 |
| Min. and max. | -1; 0.15 |



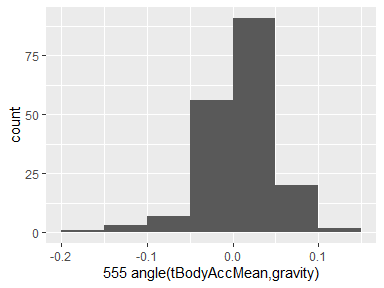
## 552 fBodyBodyGyroJerkMag-meanFreq()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.11 |
| 1st and 3rd quartiles | 0.05; 0.21 |
| Min. and max. | -0.18; 0.43 |



## 555 angle(tBodyAccMean,gravity)

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.01 |
| 1st and 3rd quartiles | -0.01; 0.02 |
| Min. and max. | -0.16; 0.13 |



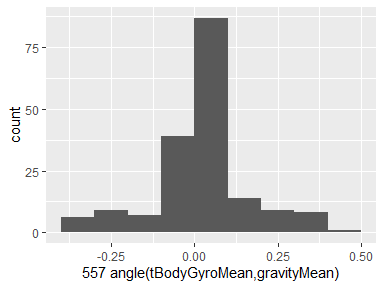
## 556 angle(tBodyAccJerkMean),gravityMean)

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0 |
| 1st and 3rd quartiles | -0.02; 0.02 |
| Min. and max. | -0.12; 0.2 |

-1.png)

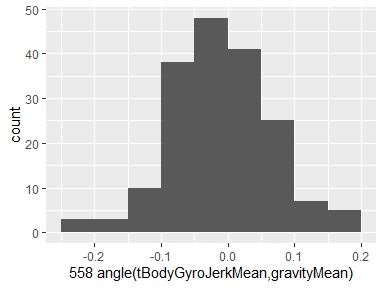
## 557 angle(tBodyGyroMean,gravityMean)

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.02 |
| 1st and 3rd quartiles | -0.02; 0.06 |
| Min. and max. | -0.39; 0.44 |



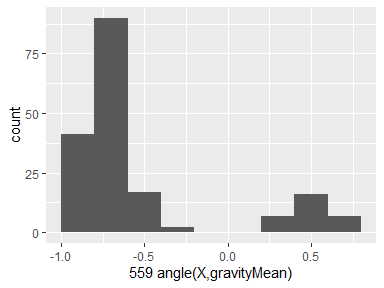
## 558 angle(tBodyGyroJerkMean,gravityMean)

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.02 |
| 1st and 3rd quartiles | -0.06; 0.03 |
| Min. and max. | -0.22; 0.18 |



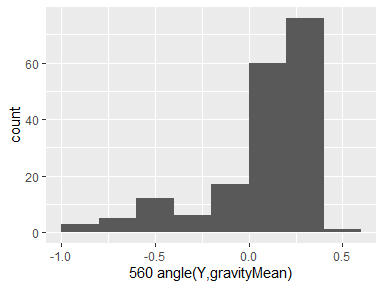
## 559 angle(X,gravityMean)

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.74 |
| 1st and 3rd quartiles | -0.79; -0.58 |
| Min. and max. | -0.95; 0.74 |



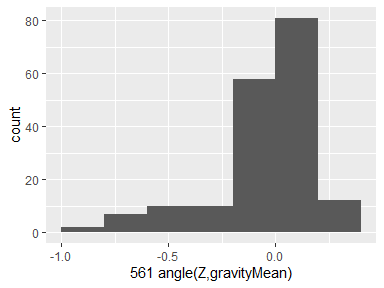
## 560 angle(Y,gravityMean)

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.17 |
| 1st and 3rd quartiles | 0.02; 0.24 |
| Min. and max. | -0.87; 0.42 |



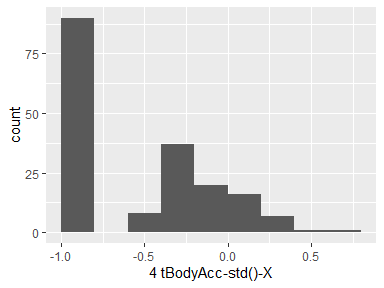
## 561 angle(Z,gravityMean)

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.01 |
| 1st and 3rd quartiles | -0.08; 0.11 |
| Min. and max. | -0.87; 0.39 |



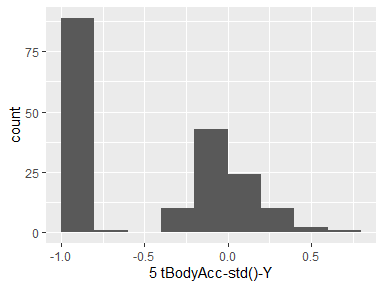
## 4 tBodyAcc-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.75 |
| 1st and 3rd quartiles | -0.98; -0.2 |
| Min. and max. | -1; 0.63 |



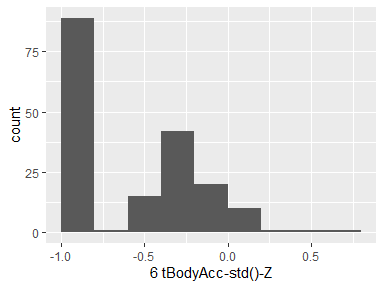
## 5 tBodyAcc-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.51 |
| 1st and 3rd quartiles | -0.94; -0.03 |
| Min. and max. | -0.99; 0.62 |



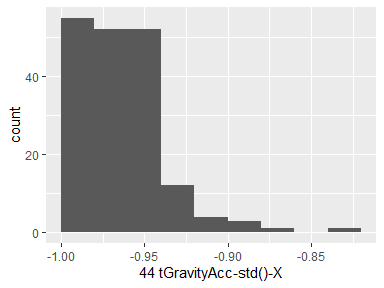
## 6 tBodyAcc-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.65 |
| 1st and 3rd quartiles | -0.95; -0.23 |
| Min. and max. | -0.99; 0.61 |



## 44 tGravityAcc-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.97 |
| 1st and 3rd quartiles | -0.98; -0.95 |
| Min. and max. | -1; -0.83 |



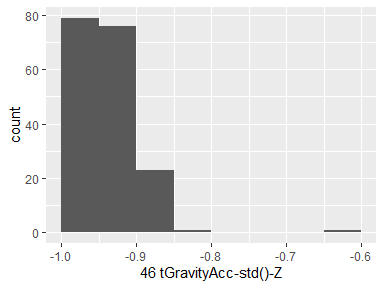
## 45 tGravityAcc-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.96 |
| 1st and 3rd quartiles | -0.97; -0.94 |
| Min. and max. | -0.99; -0.64 |



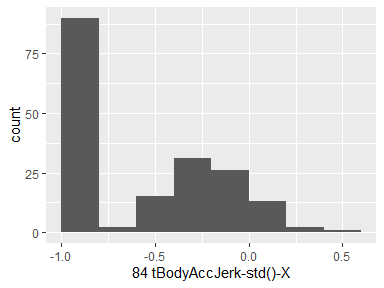
## 46 tGravityAcc-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.95 |
| 1st and 3rd quartiles | -0.96; -0.92 |
| Min. and max. | -0.99; -0.61 |



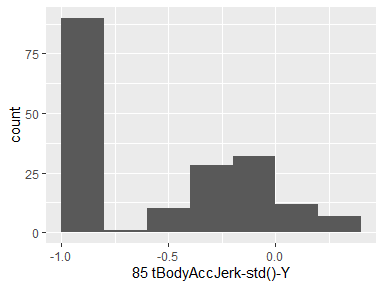
## 84 tBodyAccJerk-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.98; -0.22 |
| Min. and max. | -0.99; 0.54 |



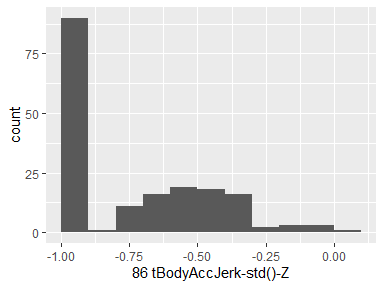
## 85 tBodyAccJerk-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.78 |
| 1st and 3rd quartiles | -0.97; -0.15 |
| Min. and max. | -0.99; 0.36 |



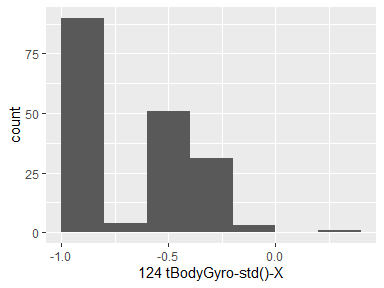
## 86 tBodyAccJerk-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.98; -0.51 |
| Min. and max. | -0.99; 0.03 |



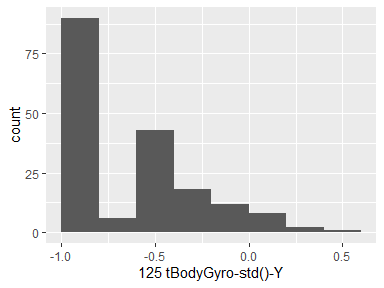
## 124 tBodyGyro-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.97; -0.44 |
| Min. and max. | -0.99; 0.27 |



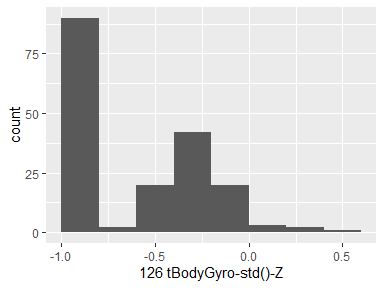
## 125 tBodyGyro-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.8 |
| 1st and 3rd quartiles | -0.96; -0.42 |
| Min. and max. | -0.99; 0.48 |



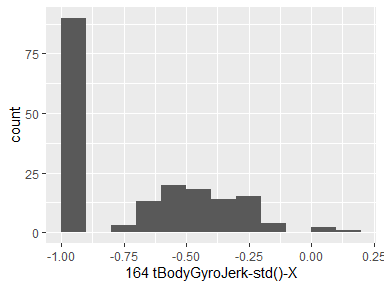
## 126 tBodyGyro-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.8 |
| 1st and 3rd quartiles | -0.96; -0.31 |
| Min. and max. | -0.99; 0.56 |



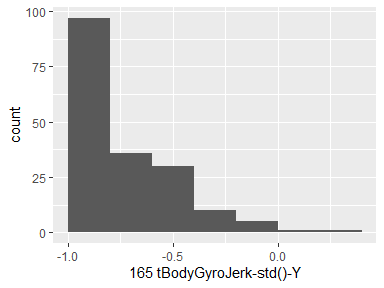
## 164 tBodyGyroJerk-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.84 |
| 1st and 3rd quartiles | -0.98; -0.46 |
| Min. and max. | -1; 0.18 |



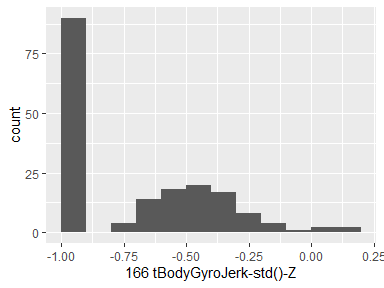
## 165 tBodyGyroJerk-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.89 |
| 1st and 3rd quartiles | -0.98; -0.59 |
| Min. and max. | -1; 0.3 |



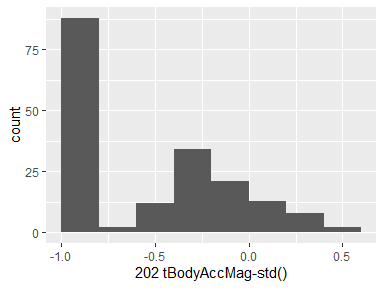
## 166 tBodyGyroJerk-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.86 |
| 1st and 3rd quartiles | -0.98; -0.47 |
| Min. and max. | -1; 0.19 |



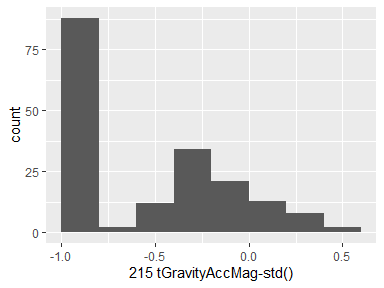
## 202 tBodyAccMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.61 |
| 1st and 3rd quartiles | -0.94; -0.21 |
| Min. and max. | -0.99; 0.43 |



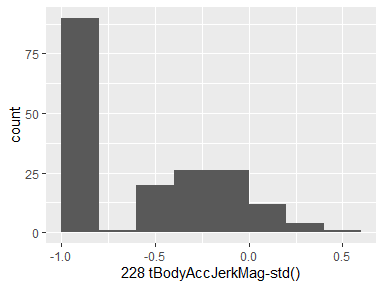
## 215 tGravityAccMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.61 |
| 1st and 3rd quartiles | -0.94; -0.21 |
| Min. and max. | -0.99; 0.43 |



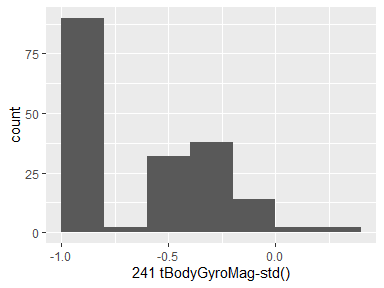
## 228 tBodyAccJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.8 |
| 1st and 3rd quartiles | -0.98; -0.22 |
| Min. and max. | -0.99; 0.45 |



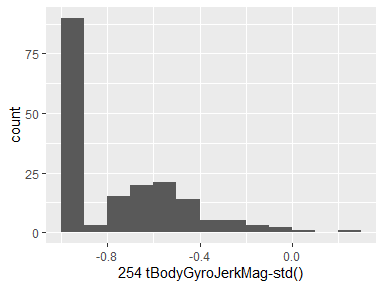
## 241 tBodyGyroMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.74 |
| 1st and 3rd quartiles | -0.95; -0.36 |
| Min. and max. | -0.98; 0.3 |



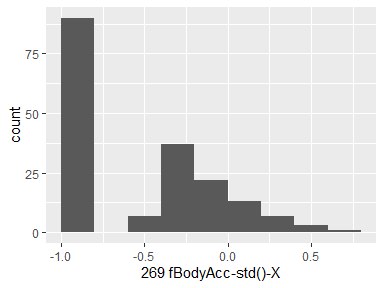
## 254 tBodyGyroJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.98; -0.58 |
| Min. and max. | -1; 0.25 |



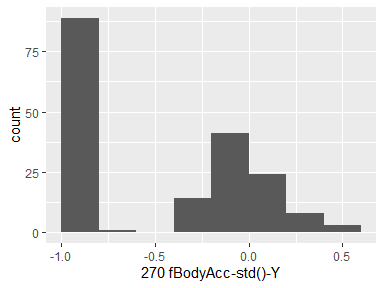
## 269 fBodyAcc-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.75 |
| 1st and 3rd quartiles | -0.98; -0.2 |
| Min. and max. | -1; 0.66 |



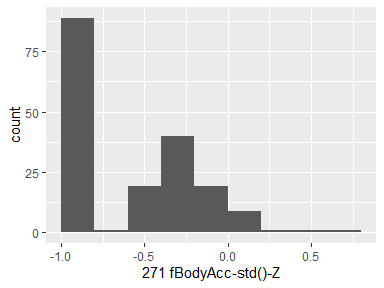
## 270 fBodyAcc-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.51 |
| 1st and 3rd quartiles | -0.94; -0.08 |
| Min. and max. | -0.99; 0.56 |



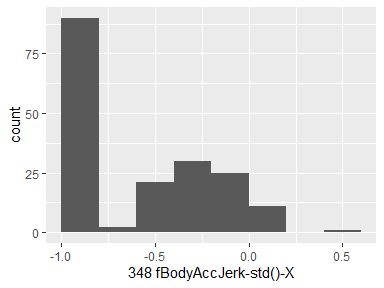
## 271 fBodyAcc-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.64 |
| 1st and 3rd quartiles | -0.95; -0.27 |
| Min. and max. | -0.99; 0.69 |



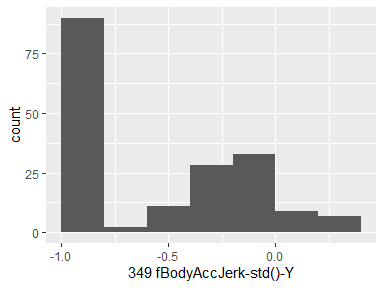
## 348 fBodyAccJerk-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.83 |
| 1st and 3rd quartiles | -0.98; -0.25 |
| Min. and max. | -1; 0.48 |



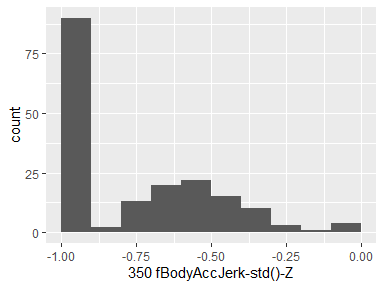
## 349 fBodyAccJerk-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.97; -0.17 |
| Min. and max. | -0.99; 0.35 |



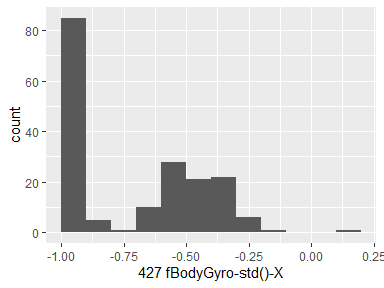
## 350 fBodyAccJerk-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.9 |
| 1st and 3rd quartiles | -0.98; -0.54 |
| Min. and max. | -0.99; -0.01 |



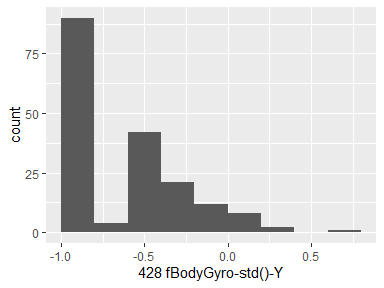
## 427 fBodyGyro-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.98; -0.48 |
| Min. and max. | -0.99; 0.2 |



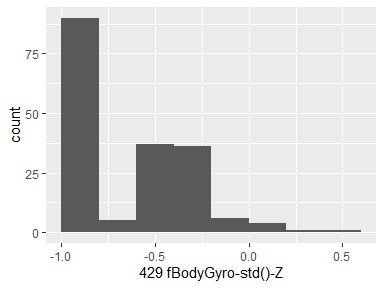
## 428 fBodyGyro-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.8 |
| 1st and 3rd quartiles | -0.96; -0.42 |
| Min. and max. | -0.99; 0.65 |



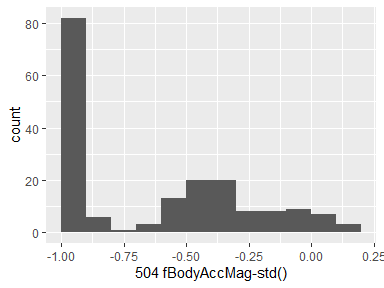
## 429 fBodyGyro-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.82 |
| 1st and 3rd quartiles | -0.96; -0.39 |
| Min. and max. | -0.99; 0.52 |



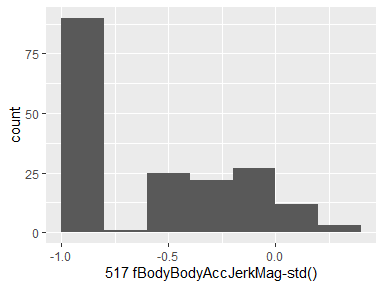
## 504 fBodyAccMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.65 |
| 1st and 3rd quartiles | -0.95; -0.37 |
| Min. and max. | -0.99; 0.18 |



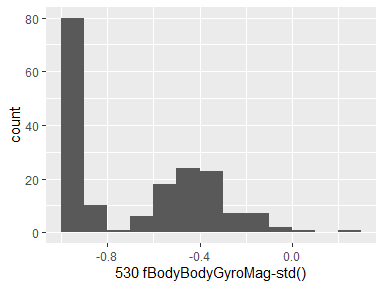
## 517 fBodyBodyAccJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.98; -0.27 |
| Min. and max. | -0.99; 0.32 |



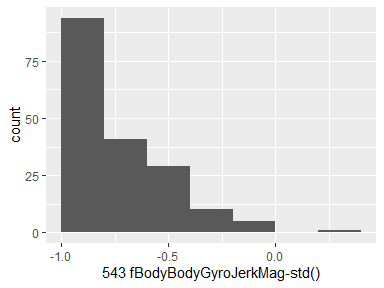
## 530 fBodyBodyGyroMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.77 |
| 1st and 3rd quartiles | -0.95; -0.43 |
| Min. and max. | -0.98; 0.24 |



## 543 fBodyBodyGyroJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.89 |
| 1st and 3rd quartiles | -0.98; -0.61 |
| Min. and max. | -1; 0.29 |



Report generation information:

* Created by kvmkaza (username: marut).
* Report creation time: Wed Jul 17 2019 16:05:44
* Report was run from directory: F:/JHU-DS/M3 - Getting and Cleaning Data/GACD-PA1
* dataMaid v1.3.1 [Pkg: 2019-07-10 from CRAN (R 3.6.1)]
* R version 3.6.0 (2019-04-26).
* Platform: x86\_64-w64-mingw32/x64 (64-bit)(Windows 10 x64 (build 17763)).
* Function call: makeDataReport(data = tidyDF\_Summ, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "./Codebook.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 = "GACD Programming Assignment")