Codebook for fintable

2020-11-30

# Data report overview

The dataset examined has the following dimensions:

|  |  |
| --- | --- |
| Feature | Result |
| Number of observations | 180 |
| Number of variables | 66 |

# Features

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 are:

mean(): Mean value

std(): Standard deviation

# Codebook summary table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Label | Variable | Class | # unique values | Missing | Description |
|  | [**tBodyAcc-mean()-X**](#tbodyacc-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAcc-mean()-Y**](#tbodyacc-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAcc-mean()-Z**](#tbodyacc-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAcc-std()-X**](#tbodyacc-std-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAcc-std()-Y**](#tbodyacc-std-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAcc-std()-Z**](#tbodyacc-std-z) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAcc-mean()-X**](#tgravityacc-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAcc-mean()-Y**](#tgravityacc-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAcc-mean()-Z**](#tgravityacc-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAcc-std()-X**](#tgravityacc-std-x) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAcc-std()-Y**](#tgravityacc-std-y) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAcc-std()-Z**](#tgravityacc-std-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerk-mean()-X**](#tbodyaccjerk-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerk-mean()-Y**](#tbodyaccjerk-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerk-mean()-Z**](#tbodyaccjerk-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerk-std()-X**](#tbodyaccjerk-std-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerk-std()-Y**](#tbodyaccjerk-std-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerk-std()-Z**](#tbodyaccjerk-std-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyro-mean()-X**](#tbodygyro-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyro-mean()-Y**](#tbodygyro-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyro-mean()-Z**](#tbodygyro-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyro-std()-X**](#tbodygyro-std-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyro-std()-Y**](#tbodygyro-std-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyro-std()-Z**](#tbodygyro-std-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerk-mean()-X**](#tbodygyrojerk-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerk-mean()-Y**](#tbodygyrojerk-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerk-mean()-Z**](#tbodygyrojerk-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerk-std()-X**](#tbodygyrojerk-std-x) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerk-std()-Y**](#tbodygyrojerk-std-y) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerk-std()-Z**](#tbodygyrojerk-std-z) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccMag-mean()**](#tbodyaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccMag-std()**](#tbodyaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAccMag-mean()**](#tgravityaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAccMag-std()**](#tgravityaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerkMag-mean()**](#tbodyaccjerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerkMag-std()**](#tbodyaccjerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroMag-mean()**](#tbodygyromag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroMag-std()**](#tbodygyromag-std) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerkMag-mean()**](#tbodygyrojerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerkMag-std()**](#tbodygyrojerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-mean()-X**](#fbodyacc-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-mean()-Y**](#fbodyacc-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-mean()-Z**](#fbodyacc-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-std()-X**](#fbodyacc-std-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-std()-Y**](#fbodyacc-std-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-std()-Z**](#fbodyacc-std-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-mean()-X**](#fbodyaccjerk-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-mean()-Y**](#fbodyaccjerk-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-mean()-Z**](#fbodyaccjerk-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-std()-X**](#fbodyaccjerk-std-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-std()-Y**](#fbodyaccjerk-std-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-std()-Z**](#fbodyaccjerk-std-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-mean()-X**](#fbodygyro-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-mean()-Y**](#fbodygyro-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-mean()-Z**](#fbodygyro-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-std()-X**](#fbodygyro-std-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-std()-Y**](#fbodygyro-std-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-std()-Z**](#fbodygyro-std-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccMag-mean()**](#fbodyaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccMag-std()**](#fbodyaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyAccJerkMag-mean()**](#fbodybodyaccjerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyAccJerkMag-std()**](#fbodybodyaccjerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroMag-mean()**](#fbodybodygyromag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroMag-std()**](#fbodybodygyromag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroJerkMag-mean()**](#fbodybodygyrojerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroJerkMag-std()**](#fbodybodygyrojerkmag-std) | numeric | 180 | 0.00 % |  |

# Variable list

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |

## 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 |