All the measure name along with their description mentioned below.

Please note units for each measures(starting 4 to 69) is “Herz”.

Transformation: All the measures (starting line 4 to 69) actually average of a granular measure.
e.g;
AvgTimeBodyAcc-mean-X is average of measure TimeBodyAcc-mean()-X.
Similarly AvgTimeBodyAcc-mean-Y is average of measure TimeBodyAcc-mean ()-Y

- activity :- This identifies what activity the subject undergoing. e.g: 1 stands for WALKING. Six different values (1-6) possible, each corresponds to one activity as mentioned below.
    - 1 == WALKING
    - 2 == WALKING_UPSTAIRS
    - 3 == WALKING_DOWNSTAIRS
    - 4 == SITTING
    - 5 == STANDING
    - 6 == LAYING

- activity_label: This is the label for activity . E.g : WALKING_UPSTAIRS.

- subject: Identifies a individual who is undergoing a activity

- AvgTimeBodyAcc-mean-X: Average of body acceleration signal’s mean along x-axis in time domain, obtained from accelerometer.

- AvgTimeBodyAcc-mean-Y: Average of body acceleration signal’s mean along Y axis in time domain.

- AvgTimeBodyAcc-mean-Z: Average of body acceleration signal mean along Z-axis in time domain, obtained from accelerometer.

- AvgTimeBodyAcc-std-X: Average of body acceleration signal standard deviation along X-axis in time domain, obtained from accelerometer.

- AvgTimeBodyAcc-std-Y: Average of body acceleration signal’s standard deviation along Y-axis in time domain, obtained from accelerometer.

- AvgTimeBodyAcc-std-Z: Average of body acceleration signal’s standard deviation along Z-axis in time domain, obtained from accelerometer.

- AvgTimeGravityAcc-mean-X: Average of gravity acceleration signal’s mean along X-axis in time domain, obtained from accelerometer.

- AvgTimeGravityAcc-mean-Y: Average of gravity acceleration signal’s

mean along Y-axis in time domain, obtained from accelerometer.

- AvgTimeGravityAcc-mean-Z: Average of gravity acceleration signal's mean along Z-axis, in time domain, obtained from accelerometer.
- AvgTimeGravityAcc-std-X: Average of gravity acceleration signal's standard deviation along X-axis, in time domain, obtained from accelerometer.
- AvgTimeGravityAcc-std-Y: Average of gravity acceleration signal's standard deviation along Y-axis, in time domain, obtained from accelerometer.
- AvgTimeGravityAcc-std-Z: Average of gravity acceleration signal's standard deviation along Z-axis, in time domain, obtained from accelerometer.

- AvgTimeBodyAccJerk-mean-X: Average of body jerk signal's mean along X-axis, in time domain, obtained from accelerometer.
- AvgTimeBodyAccJerk-mean-Y: Average of body jerk signal's mean along Y-axis, in time domain, obtained from accelerometer.
- AvgTimeBodyAccJerk-mean-Z: Average of body jerk signal's mean along Z-axis, in time domain, obtained from accelerometer.
- AvgTimeBodyAccJerk-std-X: Average of body jerk signal's standard deviation along X axis ,in time domain, obtained from accelerometer.
- AvgTimeBodyAccJerk-std-Y: Average of body jerk signal's standard deviation along Y-axis, in time domain, obtained from accelerometer.
- AvgTimeBodyAccJerk-std-Z: Average of body jerk signal's standard deviation along Z-axis, in time domain, obtained from accelerometer.
- AvgTimeBodyGyro-mean-X : Average of body acceleration signal's mean , in time domain, along X axis ,obtained from gyroscope.
- AvgTimeBodyGyro-mean-Y: Average of body acceleration signal's mean, in time domain, along Y-axis, obtained from gyroscope.
- AvgTimeBodyGyro-mean-Z: Average of body acceleration signal's mean, in time domain, along Z-axis, obtained from gyroscope.
- AvgTimeBodyGyro-std-X: Average of body acceleration signal's standard

deviation, in time domain, along X axis, obtained from gyroscope.

- AvgTimeBodyGyro-std-Y: Average of body acceleration signal's standard deviation, in time domain, along Y-axis, obtained from gyroscope.
- AvgTimeBodyGyro-std-Z: Average of body acceleration signal's standard deviation, in time domain, along X axis, obtained from gyroscope.
- AvgTimeBodyGyroJerk-mean-X: Average of body jerk signal's mean in time domain, along X-axis, obtained from gyroscope.
- AvgTimeBodyGyroJerk-mean-Y: Average of body jerk signal's mean in time domain, along Y-axis, obtained from gyroscope.
- AvgTimeBodyGyroJerk-mean-Z: Average of body jerk signal's mean in time domain, along Z-axis, obtained from gyroscope.
- AvgTimeBodyGyroJerk-std-X: Average of body jerk signal's standard deviation in time domain, along X-axis, obtained from gyroscope.
- AvgTimeBodyGyroJerk-std-Y: Average of body jerk signal's standard deviation in time domain, along X-axis, obtained from gyroscope.
- AvgTimeBodyGyroJerk-std-Z: Average of body jerk signal's standard deviation in time domain, along Z-axis, obtained from gyroscope.
- AvgTimeBodyAccMag-mean: Average of body acceleration signal's mean, in time domain, calculated using Euclidian norm and obtained from accelerometer.
- AvgTimeBodyAccMag-std: Average of body acceleration signal's standard deviation, in time domain, calculated using Euclidian norm and obtained from accelerometer.
- AvgTimeGravityAccMag-mean: Average of gravity acceleration signal's mean, in time domain, calculated using Euclidian norm and obtained from accelerometer.
- AvgTimeGravityAccMag-std: Average of gravity acceleration signal's standard deviation, in time domain, calculated using Euclidian norm and obtained from accelerometer.
- AvgTimeBodyAccJerkMag-mean: Average of body jerk signal's mean, in time domain, calculated using Euclidian norm and obtained from accelerometer.

- AvgTimeBodyAccJerkMag-std: Average of body jerk signal's standard deviation, in time domain, calculated using Euclidian norm and obtained from accelerometer.

- AvgTimeBodyGyroMag-mean: Average of body acceleration signal's mean, in time domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgTimeBodyGyroMag-std: Average of body acceleration signal's standard deviation, in time domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgTimeBodyGyroJerkMag-mean: Average of body jerk signal's mean, in time domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgTimeBodyGyroJerkMag-std: Average of body jerk signal's standard deviation, in time domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgFreqBodyAcc-mean-X: Average of body acceleration signal's mean along X-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAcc-mean-Y: Average of body acceleration signal's mean along Y-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAcc-mean-Z: Average of body acceleration signal's mean along Z-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAcc-std-X: Average of body acceleration signal's standard deviation along X-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAcc-std-Y: Average of body acceleration signal's standard deviation along Y-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAcc-std-Z: Average of body acceleration signal's standard deviation along Z-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAccJerk-mean-X: Average of body jerk signal's mean along X-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAccJerk-mean-Y: Average of body jerk signal's mean along Y-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAccJerk-mean-Z: Average of body jerk signal's mean along Z-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAccJerk-std-X: X: Average of body jerk signal's standard deviation along X-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyAccJerk-std-Y: Average of body jerk signal's standard deviation along Y-axis in frequency domain, obtained from accelerometer

- AvgFreqBodyAccJerk-std-Z: Average of body jerk signal's standard deviation along Z-axis in frequency domain, obtained from accelerometer.

- AvgFreqBodyGyro-mean-X: Average of body acceleration signal's mean along X-axis in frequency domain, obtained from gyroscope.

- AvgFreqBodyGyro-mean-Y: Average of body acceleration signal's mean along Y-axis in frequency domain, obtained from gyroscope.

- AvgFreqBodyGyro-mean-Z: Average of body acceleration signal's mean along Z-axis in frequency domain, obtained from gyroscope.

- AvgFreqBodyGyro-std-X: Average of body acceleration signal's standard deviation along X-axis in frequency domain, obtained from gyroscope.

- AvgFreqBodyGyro-std-Y: Average of body acceleration signal's standard deviation along Y-axis in frequency domain, obtained from gyroscope.

- AvgFreqBodyGyro-std-Z: Average of body acceleration signal's standard deviation along Z-axis in frequency domain, obtained from gyroscope.

- AvgFreqBodyAccMag-mean: Average of body acceleration signal's mean, in frequency domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgFreqBodyAccMag-std: Average of body acceleration signal's standard deviation, in frequency domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgFreqBodyBodyAccJerkMag-mean: Average of body jerk signal's mean, in frequency domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgFreqBodyBodyAccJerkMag-std: Average of body acceleration signal's standard deviation, in frequency domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgFreqBodyBodyGyroMag-mean: Average of body acceleration signal's mean, in frequency domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgFreqBodyBodyGyroMag-std: Average of body acceleration signal's standard deviation, in frequency domain, calculated using Euclidian norm and obtained from gyroscope.

- AvgFreqBodyBodyGyroJerkMag-mean
- AvgFreqBodyBodyGyroJerkMag-std