Variable	Description	Details
subject	Subject ID	Subjects numbered 1 to 30
activity_name	Activity performed	Walking, Walking Upstairs, Walking Downstairs, Sitting, Standing, Laying
TimeBodyAccMean_X	Average time of body acceleration in X direction	Measured in seconds
TimeBodyAccMean_Y	Average time of body acceleration in Y direction	Measured in seconds
TimeBodyAccMean_Z	Average time of body acceleration in Z direction	Measured in seconds
TimeBodyAccSTD_X	Standard deviation for time of body acceleration in X direction	Measured in seconds
TimeBodyAccSTD_Y	Standard deviation for time of body acceleration in Y direction	Measured in seconds
TimeBodyAccSTD_Z	Standard deviation for time of body acceleration in Z direction	Measured in seconds
TimeGravityAccMean_X	Average time of gravity acceleration in X direction	Measured in seconds
TimeGravityAccMean_Y	Average time of gravity acceleration in Y direction	Measured in seconds
TimeGravityAccMean_Z	Average time of gravity acceleration in Z direction	Measured in seconds
TimeGravityAccSTD_X	Standard deviation for time of gravity acceleration in X direction	Measured in seconds
TimeGravityAccSTD_Y	Standard deviation for time of gravity acceleration in Y direction	Measured in seconds
TimeGravityAccSTD_Z	Standard deviation for time of gravity acceleration in Z direction	Measured in seconds
TimeBodyAccJerkMean_X	Average time of body jerk acceleration in X direction	Measured in seconds
TimeBodyAccJerkMean_Y	Average time of body jerk acceleration in Y direction	Measured in seconds
TimeBodyAccJerkMean_Z	Average time of body jerk acceleration in Z direction	Measured in seconds
TimeBodyAccJerkSTD_X	Standard deviation for time of body jerk acceleration in X direction	Measured in seconds
TimeBodyAccJerkSTD_Y	Standard deviation for time of body jerk acceleration in Y direction	Measured in seconds
TimeBodyAccJerkSTD_Z	Standard deviation for time of body jerk acceleration in Z direction	Measured in seconds
TimeBodyGyroMean_X	Average time of body angular movement in X direction*	Measured in seconds
TimeBodyGyroMean_Y	Average time of body angular movement in Y direction*	Measured in seconds
TimeBodyGyroMean_Z	Average time of body angular movement in Z direction*	Measured in seconds
TimeBodyGyroSTD_X	Standard deviation for time of body angular movement in X direction*	Measured in seconds
TimeBodyGyroSTD_Y	Standard deviation for time of body angular movement in Y direction*	Measured in seconds
TimeBodyGyroSTD_Z	Standard deviation for time of body angular movement in Z direction*	Measured in seconds
TimeBodyGyroJerkMean_X	Average time of body angular jerk in X direction*	Measured in seconds
TimeBodyGyroJerkMean_Y	Average time of body angular jerk in Y direction*	Measured in seconds
TimeBodyGyroJerkMean_Z	Average time of body angular jerk in Z direction*	Measured in seconds
TimeBodyGyroJerkSTD_X	Standard deviation for time of body angular jerk in X direction*	Measured in seconds
TimeBodyGyroJerkSTD_Y	Standard deviation for time of body angular jerk in Y direction*	Measured in seconds
TimeBodyGyroJerkSTD_Z	Standard deviation for time of body angular jerk in Z direction*	Measured in seconds
TimeBodyAccMagMean	Average time of body accelerated magnitude	Measured in seconds
TimeBodyAccMagSTD	Standard deviation for time of body accelerated magnitude	Measured in seconds
TimeGravityAccMagMean	Average time of gravity accelerated magnitude	Measured in seconds
TimeGravityAccMagSTD	Standard deviation for time of gravity accelerated magnitude	Measured in seconds
TimeBodyAccJerkMagMean	Average time of body accelerated jerk magnitude	Measured in seconds
TimeBodyAccJerkMagSTD	Standard deviation for time of body accelerated jerk magnitude	Measured in seconds
TimeBodyGyroMagMean	Average time of body angular magnitude*	Measured in seconds
TimeBodyGyroMagSTD	Standard deviation for time of body angular magnitude*	Measured in seconds
TimeBodyGyroJerkMagMean	Average time of body angular jerk magnitude*	Measured in seconds
TimeBodyGyroJerkMagSTD	Standard deviation for time of body angular jerk magnitude*	Measured in seconds
FreqBodyAccMean_X	Average frequency of body acceleration in X direction	Measured in Hertz
FreqBodyAccMean_Y	Average frequency of body acceleration in Y direction	Measured in Hertz
FreqBodyAccMean_Z	Average frequency of body acceleration in Z direction	Measured in Hertz
FreqBodyAccSTD_X	Standard deviation for frequency of body acceleration in X direction	Measured in Hertz
FreqBodyAccSTD_Y	Standard deviation for frequency of body acceleration in Y direction	Measured in Hertz
FreqBodyAccSTD_Z	Standard deviation for frequency of body acceleration in Z direction	Measured in Hertz
FreqBodyAccJerkMean_X	Average of body jerk acceleration in X direction	Measured in Hertz
FreqBodyAccJerkMean_Y	Average of body jerk acceleration in Y direction	Measured in Hertz
FreqBodyAccJerkMean_Z	Average of body jerk acceleration in Z direction	Measured in Hertz
FreqBodyAccJerkSTD_X	Standard deviation for frequency of body jerk acceleration in X direction	Measured in Hertz
FreqBodyAccJerkSTD_Y	Standard deviation for frequency of body jerk acceleration in Y direction	Measured in Hertz
FreqBodyAccJerkSTD_Z	Standard deviation for frequency of body jerk acceleration in Z direction	Measured in Hertz
FreqBodyGyroMean_X	Average frequency of body angular movement in X direction	Measured in Hertz
FreqBodyGyroMean_Y	Average frequency of body angular movement in Y direction	Measured in Hertz
FreqBodyGyroMean_Z	Average frequency of body angular movement in Z direction	Measured in Hertz
FreqBodyGyroSTD_X	Standard deviation for frequency of body angular movement in X direction *	Measured in Hertz
FreqBodyGyroSTD_Y	Standard deviation for frequency of body angular movement in Y direction *	Measured in Hertz
FreqBodyGyroSTD_Z	Standard deviation for frequency of body angular movement in Z direction *	Measured in Hertz
FreqBodyAccMagMean	Average frequency of body accelerated magnitude	Measured in Hertz
FreqBodyAccMagSTD	Standard deviation for frequency of body accelerated magnitude	Measured in Hertz
FreqBodyAccJerkMagMean	Average frequency of body jerk magnitude	Measured in Hertz
FreqBodyAccJerkMagSTD	Standard deviation for frequency of body jerk acceleration magnitude	Measured in Hertz
FreqBodyGyroMagMean	Average frequency of body angular movement magnitude*	Measured in Hertz
FreqBodyGyroMagSTD	Standard deviation for frequency of body angular movement magnitude*	Measured in Hertz
FreqBodyGyroJerkMagMean	Average frequency of body angular jerk movement magnitude*	Measured in Hertz
FreqBodyGyroJerkMagSTD	Standard deviation for frequency of body angular jerk magnitude*	Measured in Hertz
projectdata	Master dataset of relevant data	Combined information from original datasets
meanstd	Dataset with only means and standard deviations	Subset of projectdata
tidydata	Cleaned dataset with averages by Subject and Activity	Summary of meanstd

* measured by gyroscope