DATA DICTIONARY - Course Project

subject
  Subject ID who performed the acitivity

activity
  Activity performed by a subject
    WALKING / WALKING_UPSTAIRS / WALKING_DOWNSTAIRS / SITTING / STANDING / LAYING

timeBodyAccMeanX
  Mean value of the time domain body acceleration signal in X direction

timeBodyAccMeanY
  Mean value of the time domain body acceleration signal in Y direction

timeBodyAccMeanZ
  Mean value of the time domain body acceleration signal in Z direction

timeGravityAccMeanX
  Mean value of the time domain gravity acceleration signal in X direction

timeGravityAccMeanY
  Mean value of the time domain gravity acceleration signal in Y direction

timeGravityAccMeanZ
  Mean value of the time domain gravity acceleration signal in Z direction

timeBodyAccJerkMeanX
  Mean value of Jerk signal obtained from the time domain body acceleration signal in X
  direction

timeBodyAccJerkMeanY
  Mean value of Jerk signal obtained from the time domain body acceleration signal in Y
  direction

timeBodyAccJerkMeanZ
  Mean value of Jerk signal obtained from the time domain body acceleration signal in Z
  direction

timeBodyGyroMeanX
  Mean value of the time domain body angular velocity signal from the gyroscope in X direction

timeBodyGyroMeanY
  Mean value of the time domain body angular velocity signal from the gyroscope in Y direction

timeBodyGyroMeanZ
  Mean value of the time domain body angular velocity signal from the gyroscope in Z direction

timeBodyGyroJerkMeanX
  Mean value of Jerk signal obtained from the time domain body angular velocity signal from
  the gyroscope in X direction

timeBodyGyroJerkMeanY
  Mean value of Jerk signal obtained from the time domain body angular velocity signal from
  the gyroscope in Y direction

timeBodyGyroJerkMeanZ
  Mean value of Jerk signal obtained from the time domain body angular velocity signal from
  the gyroscope in Z direction

timeBodyAccMagMean
  Mean value of the magnitude of the time domain body acceleration signal

timeGravityAccMagMean
  Mean value of the magnitude of the time domain gravity acceleration signal

timeBodyAccJerkMagMean
  Mean value of the magnitude of the Jerk signal obtained from the time domain body
  acceleration signal

timeBodyGyroMagMean
  Mean value of the magnitude of the time domain body angular velocity signal from the
  gyroscope

timeBodyGyroJerkMagMean
  Mean value of the magnitude of the Jerk signal obtained from the time domain body angular
  velocity signal from the gyroscope

freqBodyAccMeanX
  Mean value of the frequency domain body acceleration signal in X direction

freqBodyAccMeanY
  Mean value of the frequency domain body acceleration signal in Y direction

freqBodyAccMeanZ
  Mean value of the frequency domain body acceleration signal in Z direction

freqBodyAccJerkMeanX
  Mean value of Jerk signal obtained from the frequency domain body acceleration signal in X
  direction

freqBodyAccJerkMeanY
  Mean value of Jerk signal obtained from the frequency domain body acceleration signal in Y
  direction

freqBodyAccJerkMeanZ
  Mean value of Jerk signal obtained from the frequency domain body acceleration signal in Z
  direction

freqBodyGyroMeanX
  Mean value of Jerk signal obtained from the frequency domain body angular velocity signal
from
  the gyroscope in X direction

freqBodyGyroMeanY
  Mean value of Jerk signal obtained from the frequency domain body angular velocity signal
  from the gyroscope in Y direction

freqBodyGyroMeanZ
  Mean value of Jerk signal obtained from the frequency domain body angular velocity signal
  from the gyroscope in Z direction

freqBodyAccMagMean
  Mean value of the magnitude of frequency domain body acceleration signal

freqBodyAccJerkMagMean
  Mean value of the magnitude of Jerk signal obtained from the frequency domain body
  acceleration signal

freqBodyGyroMagMean
  Mean value of the magnitude of frequency domain body angular velocity signal from the
  gyroscope

freqBodyGyroJerkMagMean
  Mean value of the magnitude of Jerk signal obtained from the frequency domain body angular
  velocity signal from the gyroscope

timeBodyAccStdX
  Standard deviation of the time domain body acceleration signal in X direction

timeBodyAccStdY
  Standard deviation of the time domain body acceleration signal in Y direction

timeBodyAccStdZ
  Standard deviation of the time domain body acceleration signal in Z direction

timeGravityAccStdX
  Standard deviation of the time domain gravity acceleration signal in X direction

timeGravityAccStdY
  Standard deviation of the time domain gravity acceleration signal in Y direction

timeGravityAccStdZ
  Standard deviation of the time domain gravity acceleration signal in Z direction

timeBodyAccJerkStdX
  Standard deviation of Jerk signal obtained from the time domain body acceleration signal in
  X direction

timeBodyAccJerkStdY
  Standard deviation of Jerk signal obtained from the time domain body acceleration signal in
  Y direction

timeBodyAccJerkStdZ
  Standard deviation of Jerk signal obtained from the time domain body acceleration signal in
  Z direction

timeBodyGyroStdX
  Standard deviation of the time domain body angular velocity signal from the gyroscope in X
  direction

timeBodyGyroStdY
  Standard deviation of the time domain body angular velocity signal from the gyroscope in Y
  direction

timeBodyGyroStdZ
  Standard deviation of the time domain body angular velocity signal from the gyroscope in Z
  direction

timeBodyGyroJerkStdX
  Standard deviation of Jerk signal obtained from the time domain body angular velocity signal
  from the gyroscope in X direction

timeBodyGyroJerkStdY
  Standard deviation of Jerk signal obtained from the time domain body angular velocity signal
  from the gyroscope in Y direction

timeBodyGyroJerkStdZ
  Standard deviation of Jerk signal obtained from the time domain body angular velocity signal
  from the gyroscope in Z direction

timeBodyAccMagStd
  Standard deviation of the magnitude of time domain body acceleration signal

timeGravityAccMagStd
  Standard deviation of the magnitude of time domain gravity acceleration signal

timeBodyAccJerkMagStd
  Standard deviation of the magnitude of Jerk signal obtained from the time domain body
  acceleration signal

timeBodyGyroMagStd
  Standard deviation of the magnitude of time domain body angular velocity signal from the
  gyroscope

timeBodyGyroJerkMagStd
  Standard deviation of the magnitude of Jerk signal obtained from the time domain body
  angular velocity signal from the gyroscope

freqBodyAccStdX
  Standard deviation of the frequency domain body acceleration signal in X direction

freqBodyAccStdY
  Standard deviation of the frequency domain body acceleration signal in Y direction

freqBodyAccStdZ
  Standard deviation of the frequency domain body acceleration signal in Z direction

freqBodyAccJerkStdX
  Standard deviation of Jerk signal obtained from the frequency domain body acceleration
  signal in X direction

freqBodyAccJerkStdY
  Standard deviation of Jerk signal obtained from the frequency domain body acceleration
  signal in Y direction

freqBodyAccJerkStdZ
  Standard deviation of Jerk signal obtained from the frequency domain body acceleration
  signal in Z direction

freqBodyGyroStdX
  Standard deviation of frequency domain body angular velocity signal from the gyroscope in X
  direction

freqBodyGyroStdY
  Standard deviation of frequency domain body angular velocity signal from the gyroscope in Y
  direction

freqBodyGyroStdZ
  Standard deviation of frequency domain body angular velocity signal from the gyroscope in Z
  direction

freqBodyAccMagStd
  Standard deviation of the magnitude of frequency domain body acceleration signal