DATA DICTIONARY - Human Activity Recognition Using Smartphones Dataset

subject:

- 2
- Subject No.
- 1..30

activity

- 1
- Name of activity
    - 1 – LAYING
    - 2 – SITTING
    - 3 – STANDING
    - 4 – WALKING
    - 5 – WALKING_DOWNSTAIRS
    - 6 – WALKING_UPSTAIRS

TimeBodyAccMeanX

- 10
- Average of Mean of body acceleration signals based on time domain and in direction of X axis (signed). This is for each subject and each activity

TimeBodyAccMeanY

- 10
- Average of Mean of body acceleration signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyAccMeanZ

- 10
- Average of Mean of body acceleration signals based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeBodyAccStdY

- 10
- Average of Standard deviation of body acceleration signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeGravityAccMeanY

- 10
- Average of Mean of gravity acceleration signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeGravityAccStdY

- 10
- Average of Standard deviation of gravity acceleration signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyAccJerkMeanY

- 10
- Average of Mean of body acceleration Jerk signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyAccJerkStdY

- 10
- Average of standard deviation of body acceleration Jerk signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyGyroMeanY

- 10
- Average of Mean of body gyroscope based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyGyroStdY

- 10
- Average of standard deviation of body gyroscope based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyGyroJerkMeanY

- 10
- Average of Mean of body gyroscope Jerk signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyGyroJerkStdY

- 10
- Average of Mean of body gyroscope Jerk signals based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeBodyAccMagStd

- 10
- Average of standard deviation of body acceleration magnitude based on time domain (signed). This is for each subject and each activity

TimeBodyAccJerkMagMean

- 10
- Average of Mean of body acceleration Jerk signals based on time domain (signed). This is for each subject and each activity

TimeBodyGyroMagStd

- 10
- Average of standard deviation of body gyroscope magnitude based on time domain (signed). This is for each subject and each activity

FrequencyBodyAccMeanX

- 10
- Average of Mean of body acceleration based on frequency domain and in direction of X axis (signed). This is for each subject and each activity

FrequencyBodyAccStdX

- 10
- Average of standard deviation of body acceleration based on frequency domain and in direction of X axis (signed). This is for each subject and each activity

FrequencyBodyAccJerkMeanX

- 10
- Average of Mean of body acceleration Jerk signals based on frequency domain and in direction of X axis (signed). This is for each subject and each activity

FrequencyBodyAccJerkStdX

- 10
- Average of standard deviation of body acceleration Jerk signals based on frequency domain and in direction of X axis (signed). This is for each subject and each activity

FrequencyBodyGyroMeanX

- 10
- Average of Mean of body gyroscope based on frequency domain and in direction of X axis (signed). This is for each subject and each activity

FrequencyBodyGyroStdX

- 10
- Average of standard deviation of body gyroscope based on frequency domain and in direction of X axis (signed). This is for each subject and each activity

FrequencyBodyAccMagMean

- 10
- Average of Mean of body acceleration magnitude based on frequency domain (signed). This is for each subject and each activity

FrequencyBodyAccJerkMagStd

- 10
- Average of standard deviation of body acceleration magnitude Jerk signal based on frequency domain (signed). This is for each subject and each activity

FrequencyBodyGyroJerkMagMean

- 10

- Average of Mean of body gyroscope Jerk signal magnitude based on frequency domain (signed). This is for each subject and each activity

TimeBodyAccStdZ
- 10
- Average of standard deviation of body acceleration based on time domain and in direction of Y axis (signed). This is for each subject and each activity

TimeGravityAccMeanZ
- 10
- Average of Mean of gravity acceleration based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeGravityAccStdZ
- 10
- Average of standard deviation of gravity acceleration based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeBodyAccJerkMeanZ
- 10
- Average of Mean of body acceleration Jerk signals based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeBodyAccJerkStdZ
- 10
- Average of standard deviation of body acceleration Jerk signals based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeBodyGyroMeanZ
- 10
- Average of Mean of body gyroscope based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeBodyGyroStdZ
- 10
- Average of standard deviation of body gyroscope based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeBodyGyroJerkMeanZ
- 10
- Average of Mean of body gyroscope Jerk signal based on time domain and in direction of Z axis (signed). This is for each subject and each activity

TimeBodyGyroJerkStdZ
- 10
- Average of standard deviation of body gyroscope Jerk signal based on time domain and in

direction of Z axis (signed). This is for each subject and each activity

TimeGravityAccMagMean

- 10
- Average of Mean of gravity acceleration magnitude based on time domain (signed). This is for each subject and each activity

TimeBodyAccJerkMagStd

- 10
- Average of standard deviation of body acceleration Jerk signal magnitude based on time domain (signed). This is for each subject and each activity

TimeBodyGyroJerkMagMean

- 10
- Average of Mean of body gyroscope Jerk signal magnitude based on time domain (signed). This is for each subject and each activity

FrequencyBodyAccMeanY

- 10
- Average of Mean of body acceleration based on frequency domain and in direction of Y axis (signed). This is for each subject and each activity

FrequencyBodyAccStdY

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FrequencyBodyAccJerkMeanY

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FrequencyBodyAccJerkStdY

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FrequencyBodyGyroMeanY

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- Average of Mean of body gyroscope based on frequency domain and in direction of Y axis (signed). This is for each subject and each activity

FrequencyBodyGyroStdY

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- Average of standard deviation of body gyroscope based on frequency domain and in direction

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FrequencyBodyAccMagStd

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FrequencyBodyGyroMagMean

- 10
- Average of mean of body gyroscope magnitude based on frequency domain (signed). This is for each subject and each activity

FrequencyBodyGyroJerkMagStd

- 10
- Average of standard deviation of body gyroscope Jerk signal magnitude based on frequency domain (signed). This is for each subject and each activity

TimeBodyAccStdX

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- Average of standard deviation of body acceleration based on time domain and in direction of X axis (signed). This is for each subject and each activity

TimeGravityAccMeanX

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FrequencyBodyAccStdZ

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