

Data Dictionary - Cellphone Motion Activity  
Coursera - Getting and Cleaning Data - Assignment 1

Cellphone Sensor Activity Information.

This file was deduced from the test data.

The data was grouped by test subject and activity. All the measures are the mean of the data collected in the study.

Activity\_Name

Physical Activity Type

WALKING

WALKING\_UPSTAIRS

WALKING\_DOWNSTAIRS

SITTING

STANDING

LAYING

Subject

The subject number of the test subject

1..30

tBodyAcc\_mean\_X

Body Accelerometer Mean X Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tBodyAcc\_mean\_Y

Body Accelerometer Mean Y Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tBodyAcc\_mean\_Z

Body Accelerometer Mean Z Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tGravityAcc\_mean\_X

Gravity Accelerometer Mean X Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tGravityAcc\_mean\_Y

Gravity Accelerometer Mean Y Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tGravityAcc\_mean\_Z

Gravity Accelerometer Mean Z Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tBodyAccJerk\_mean\_X

Body Accelerometer Jerk Mean X Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tBodyAccJerk\_mean\_Y

Body Accelerometer Jerk Mean Y Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tBodyAccJerk\_mean\_Z

Body Accelerometer Jerk Mean Z Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tBodyGyro\_mean\_X

Body Gyro Mean X Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

tBodyGyro\_mean\_Y

Body Gyro Mean Y Axis

-9.999999999999999 - +9.999999999999999 Sensor Reading Value

```
tBodyGyro_mean_Z
    Body Gyro Mean Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyGyroJerk_mean_X
    Body Gyro Jerk Mean X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyGyroJerk_mean_Y
    Body Gyro Jerk Mean Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyGyroJerk_mean_Z
    Body Gyro Jerk Mean Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyAccMag_mean
    Body Accelerometer Mean X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tGravityAccMag_mean
    Body Accelerometer Mag Mean X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyAccJerkMag_mean
    Body Accelerometer Mag Mean Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyGyroMag_mean
    Body Accelerometer Mag Mean Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyGyroJerkMag_mean
    Body Gyro Jerk Mean
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_mean_X
    Body Accelerometer Mean X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_mean_Y
    Body Accelerometer Mean Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_mean_Z
    Body Accelerometer Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_meanFreq_X
    Body Frequency Mean X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_meanFreq_Y
    Body Frequency Mean Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_meanFreq_Z
    Body Frequency Mean Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAccJerk_mean_X
    Body Accelerometer Jerk Mean X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAccJerk_mean_Y
    Body Accelerometer Jerk Mean Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAccJerk_mean_Z
    Body Accelerometer Jerk Mean Z Axis
```

-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyAccJerk\_meanFreq\_X  
Body Accelerometer Jerk Frequency Mean X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyAccJerk\_meanFreq\_Y  
Body Accelerometer Jerk Frequency Mean Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyAccJerk\_meanFreq\_Z  
Body Accelerometer Jerk Frequency Mean Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyGyro\_mean\_X  
Body Gyro Mean X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyGyro\_mean\_Y  
Body Gyro Mean Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyGyro\_mean\_Z  
Body Gyro Mean Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyGyro\_meanFreq\_X  
Body Gyro Frequency Mean X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyGyro\_meanFreq\_Y  
Body Gyro Frequency Mean Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyGyro\_meanFreq\_Z  
Body Gyro Frequency Mean Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyAccMag\_mean  
Body Accelerometer Mag Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyAccMag\_meanFreq  
Body Accelerometer Mag Frequency Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyBodyAccJerkMag\_mean  
Body Accelerometer Jerk Mag Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyBodyAccJerkMag\_meanFreq  
Body Accelerometer Jerk Mag Frequency Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyBodyGyroMag\_mean  
Body Gyro Mag Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyBodyGyroMag\_meanFreq  
Body Gyro Mag Frequency Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyBodyGyroJerkMag\_mean  
Body Gyro Jerk Mag Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
fBodyBodyGyroJerkMag\_meanFreq  
Body Gyro Jerk Mag Frequency Mean  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAcc\_std\_X

Body Accelerometer Mean X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAcc\_std\_Y  
Body Accelerometer Mean Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAcc\_std\_Z  
Body Accelerometer Mean Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tGravityAcc\_std\_X  
Body Gravity Accelerometer Mean X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tGravityAcc\_std\_Y  
Body Gravity Accelerometer Mean Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tGravityAcc\_std\_Z  
Body Gravity Accelerometer Mean Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAccJerk\_std\_X  
Body Accelerometer Jerk STD X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAccJerk\_std\_Y  
Body Accelerometer Jerk STD Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAccJerk\_std\_Z  
Body Accelerometer Jerk STD Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyGyro\_std\_X  
Body Gyro STD X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyGyro\_std\_Y  
Body Gyro STD Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyGyro\_std\_Z  
Body Gyro STD Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyGyroJerk\_std\_X  
Body Gyro Jerk STD X Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyGyroJerk\_std\_Y  
Body Gyro Jerk STD Y Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyGyroJerk\_std\_Z  
Body Gyro Jerk STD Z Axis  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAccMag\_std  
Body Accelerometer Mag STD  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tGravityAccMag\_std  
Body Travity Accelerometer STD  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value  
tBodyAccJerkMag\_std  
Body Accelerometer Jerk Mag STD  
-9.999999999999999 - +9.999999999999999 Sensor Reading Value

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tBodyGyroMag_std
    Body Gyro Mag STD
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
tBodyGyroJerkMag_std
    Body Gyro Jerk Mag STD
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_std_X
    Body Accelerometer STD X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_std_Y
    Body Accelerometer STD Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAcc_std_Z
    Body Accelerometer STD Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAccJerk_std_X
    Body Accelerometer Jerk STD X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAccJerk_std_Y
    Body Accelerometer Jerk STD Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAccJerk_std_Z
    Body Accelerometer Jer STD Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyGyro_std_X
    Body Gyro STD X Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyGyro_std_Y
    Body Gyro STD Y Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyGyro_std_Z
    Body Gyro STD Z Axis
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyAccMag_std
    Body Accelerometer Mag STD
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyBodyAccJerkMag_std
    Body Accelerometer Jerk Mag STD
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyBodyGyroMag_std
    Body Gyro Mag STD
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
fBodyBodyGyroJerkMag_std
    Body Gyro Jerk Mag STD
        -9.999999999999999 - +9.999999999999999 Sensor Reading Value
```