DATA DICTIONARY – foo.csv
Getting and Cleaning Data Course Project

Subject: Integer 1-30
Depicts the anonymous volunteer number

Activity_Label: Text String
Descriptive activity name to name the activities in the dataset [WALKING, WALKING_UPSTAIRS, WALKING_DOWNSTAIRS, SITTING, STANDING, LAYING]

tBodyAcc-mean()-X, …-Y, …-Z: Units – Std gravity units 'g'
Mean of the time body acceleration in the X, Y, and Z directions.

tBodyAcc-sdt()-X, …-Y, …-Z: Units – Std gravity units 'g'
Standard deviation of the time body acceleration in the X, Y, and Z directions.

tGravityAcc-mean()-X, …-Y, …-Z: Units – Std gravity units 'g'
Mean of the time gravity acceleration signals in the X, Y, and Z directions.

tGravityAcc-std()-X, …-Y, …-Z: Units – Std gravity units 'g'
Standard deviation of the time gravity acceleration signals in the X, Y, and Z directions.

tBodyAccJerk-mean()-X, …-Y, …-Z: Units – Std gravity units 'g'
Mean of the time body linear acceleration Jerk signals in the X, Y, and Z directions.

tBodyAccJerk-std()-X, …-Y, …-Z: Units – Std gravity units 'g'
Standard deviation of the time body linear acceleration Jerk signals in the X, Y, and Z directions.

tBodyGyro-mean()-X, …-Y, …-Z: Units – radians/second
Mean of the time body angular velocity signals in the X, Y, and Z directions.

tBodyGyro-std()-X, …-Y, …-Z: Units – radians/second
Standard deviation of the time body angular velocity signals in the X, Y, and Z directions.

tBodyGyroJerk-mean()-X, …-Y, …-Z: Units – radians/second
Mean of the time body angular velocity Jerk signals in the X, Y, and Z directions.

tBodyGyroJerk-std()-X, …-Y, …-Z: Units – radians/second
Standard deviation of the time body angular velocity Jerk signals in the X, Y, and Z directions.

tBodyAccMag-mean(): Units – Std gravity units 'g'
Mean of the time body acceleration magnitude.

tBodyAccMag-std(): Units – Std gravity units 'g'
Standard deviation of the time body acceleration magnitude.

tGravityAccMag-mean(): Units – Std gravity units 'g'
Mean of the time gravity acceleration magnitude.

tGravityAccMag-std(): Units – Std gravity units 'g'
Standard deviation of the time gravity acceleration magnitude.

tBodyAccJerkMag-mean(): Units – Std gravity units 'g'
Mean of the time body acceleration jerk magnitude.

tBodyAccJerkMag-std(): Units – Std gravity units 'g'
Standard deviation of the time body acceleration jerk magnitude.

tBodyGyroMag-mean(): Units – radians/second
Mean of the time body angular velocity signals magnitude.

tBodyGyroMag-std(): Units – radians/second
Standard deviation of the time body angular velocity signals magnitude.

tBodyGyroJerkMag-mean(): Units – radians/second
Mean of the time body angular velocity signals jerk magnitude.

tBodyGyroJerkMag-std(): Units – radians/second
Standard deviation of the time body angular velocity signals jerk magnitude.

fBodyAcc-mean()-X, …-Y, …-Z: Units – Std gravity units 'g'
Mean of the Fast Fourier Transformation (FFT) of the time body acceleration in the X, Y, and Z directions.

fBodyAcc-std()-X, …-Y, …-Z: Units – Std gravity units 'g'
Standard deviation of the FFT of the time body acceleration in the X, Y, and Z directions.

fBodyAcc-meanFreq()-X, …-Y, …-Z: Units – Std gravity units ‘g’
Mean of the FFT of the time body acceleration frequency in the X, Y, and Z directions.

fBodyAccJerk-mean()-X, …-Y, …-Z: Units – Std gravity units ‘g’
Mean of the Fast Fourier Transformation (FFT) of the time body acceleration jerk in the X, Y, and Z directions

fBodyAccJerk-std()-X, …-Y, …-Z: Units – Std gravity units ‘g’
Standard deviation of the Fast Fourier Transformation (FFT) of the time body acceleration jerk in the X, Y, and Z directions

fBodyAccJerk-meanFreq()-X, …-Y, …-Z: Units – Std gravity units ‘g’
Mean of the FFT of the time body acceleration jerk frequency in the X, Y, and Z directions.

fBodyGyro-mean()-X, …-Y, …-Z: Units – radians/second
Mean of the FFT of the time body angular velocity signals in the X, Y, and Z directions.

fBodyGyro-std()-X, …-Y, …-Z: Units – radians/second
Standard deviation of the FFT of the time body angular velocity signals in the X, Y, and Z directions.

fBodyGyro-meanFreq()-X, …-Y, …-Z: Units – radians/second
Mean of the FFT of the time body angular velocity signals frequency in the X, Y, and Z directions.

fBodyAccMag-mean(): Units – Std gravity units ‘g’
Mean of the FFT of the time body acceleration magnitude.

fBodyAccMag-std(): Units – Std gravity units ‘g’
Standard deviation of the FFT of the time body acceleration magnitude.

fBodyAccMag-meanFreq(): Units – Std gravity units ‘g’
Mean of the FFT of the time body acceleration magnitude frequency.

fBodyBodyAccJerkMag-mean(): Units – Std gravity units ‘g’
Mean of the FFT of the time body acceleration jerk magnitude frequency.

fBodyBodyAccJerkMag-std(): Units – Std gravity units ‘g’

Standard deviation of the FFT of the time body acceleration jerk magnitude frequency.

fBodyBodyAccJerkMag-meanFreq(): Units – Std gravity units 'g'
Mean of the FFT of the time body acceleration jerk magnitude frequency.

fBodyBodyGyroMag-mean(): Units – radians/second
Mean of the FFT of the time body angular velocity signals magnitude.

fBodyBodyGyroMag-std(): Units – radians/second
Standard deviation of the FFT of the time body angular velocity signals magnitude.

fBodyBodyGyroMag-meanFreq(): Units – radians/second
Mean of the FFT of the time body angular velocity signals magnitude frequency.

fBodyBodyGyroJerkMag-mean(): Units – radians/second
Mean of the FFT of the time body angular velocity signals jerk magnitude.

fBodyBodyGyroJerkMag-std(): Units – radians/second
Standard deviation of the FFT of the time body angular velocity signals jerk magnitude.

fBodyBodyGyroJerkMag-meanFreq(): Units – radians/second
Mean of the FFT of the time body angular velocity signals jerk magnitude frequency.