CodeBook for Variable Definition and Description

Getting and Cleaning Data, Project

9/26/2021

variable_id	variable_descr
activity_labels	corresponding labels for each activity
subject_id	identification number for each subject
tBodyAcc_mean_X	mean of body acceleration across x-axis
tBodyAcc_mean_Y	mean of body acceleration across y-axis
tBodyAcc_mean_Z	mean of body acceleration across z-axis
tBodyAcc_std_X	std of body acceleration across x-axis
tBodyAcc_std_Y	std of body acceleration across y-axis
tBodyAcc_std_Z	std of body acceleration across z-axis
tGravityAcc_mean_X	mean of gravity acceleration across x-axis
tGravityAcc_mean_Y	mean of gravity acceleration across y-axis
tGravityAcc_mean_Z	mean of gravity acceleration across z-axis
tGravityAcc_std_X	std of gravity acceleration across x-axis
tGravityAcc_std_Y	std of gravity acceleration across y-axis
tGravityAcc_std_Z	std of gravity acceleration across z-axis
tBodyAccJerk_mean_X	mean of body linear acceleration across x-axis
tBodyAccJerk_mean_Y	mean of body linear acceleration across y-axis
tBodyAccJerk_mean_Z	mean of body linear acceleration across z-axis
tBodyAccJerk_std_X	std of body linear acceleration across x-axis
tBodyAccJerk_std_Y	std of body linear acceleration across y-axis
tBodyAccJerk_std_Z	std of body linear acceleration across z-axis
tBodyGyro_mean_X	mean of body velocity across x-axis
tBodyGyro_mean_Y	mean of body velocity across y-axis
tBodyGyro_mean_Z	mean of body velocity across z-axis
tBodyGyro_std_X	std of body velocity across x-axis
tBodyGyro_std_Y	std of body velocity across y-axis
tBodyGyro_std_Z	std of body velocity across z-axis
tBodyGyroJerk_mean_X	mean of body angular velocity across x-axis
tBodyGyroJerk_mean_Y	mean of body angular velocity across y-axis
tBodyGyroJerk_mean_Z	mean of body angular velocity across z-axis
tBodyGyroJerk_std_X	std of body angular velocity across x-axis
tBodyGyroJerk_std_Y	std of body angular velocity across y-axis
tBodyGyroJerk_std_Z	std of body angular velocity across z-axis
tBodyAccMag_mean	mean of Euclidean norm of body acceleration
tBodyAccMag_std	std of Euclidean norm of body acceleration
tGravityAccMag_mean	mean of Euclidean norm of gravity acceleration
tGravityAccMag_std	std of Euclidean norm of gravity acceleration
tBodyAccJerkMag_mean	mean of Euclidean norm of linear body acceleration
tBodyAccJerkMag_std	std of Euclidean norm of linear body acceleration
tBodyGyroMag_mean	mean of Euclidean norm of body velocity
tBodyGyroMag_std	std of Euclidean norm of body velocity
tBodyGyroJerkMag_mean	mean of Euclidean norm of body angular velocity

variable_id	variable_descr
tBodyGyroJerkMag_std	std of Euclidean norm of body angular velocity
fBodyAcc_mean_X	mean of Fast Fourier Transform of body acceleration across x-axis
fBodyAcc_mean_Y	mean of Fast Fourier Transform of body acceleration across y-axis
fBodyAcc_mean_Z	mean of Fast Fourier Transform of body acceleration across z-axis
fBodyAcc_std_X	std of Fast Fourier Transform of body acceleration across x-axis
fBodyAcc_std_Y	std of Fast Fourier Transform of body acceleration across y-axis
fBodyAcc_std_Z	std of Fast Fourier Transform of body acceleration across z-axis
fBodyAccJerk_mean_X	mean of Fast Fourier Transform of body linear acceleration across x-axis
fBodyAccJerk_mean_Y	mean of Fast Fourier Transform of body linear acceleration across y-axis
fBodyAccJerk_mean_Z	mean of Fast Fourier Transform of body linear acceleration across z-axis
fBodyAccJerk_std_X	std of Fast Fourier Transform of body linear acceleration across x-axis
fBodyAccJerk_std_Y	std of Fast Fourier Transform of body linear acceleration across y-axis
fBodyAccJerk_std_Z	std of Fast Fourier Transform of body linear acceleration across z-axis
fBodyGyro_mean_X	mean of Fast Fourier Transform of body velocity across x-axis
fBodyGyro_mean_Y	mean of Fast Fourier Transform of body velocity across y-axis
fBodyGyro_mean_Z	mean of Fast Fourier Transform of body velocity across z-axis
fBodyGyro_std_X	std of Fast Fourier Transform of body velocity across x-axis
fBodyGyro_std_Y	std of Fast Fourier Transform of body velocity across y-axis
fBodyGyro_std_Z	std of Fast Fourier Transform of body velocity across z-axis
fBodyAccMag_mean	mean of Fast Fourier Transform of Euclidean norm of body acceleration
fBodyAccMag_std	std of Fast Fourier Transform of Euclidean norm of body acceleration
fBodyBodyAccJerkMag_mean	mean of Fast Fourier Transform of Euclidean norm of body linear acceleration
fBodyBodyAccJerkMag_std	std of Fast Fourier Transform of Euclidean norm of body linear acceleration
fBodyBodyGyroMag_mean	mean of Fast Fourier Transform of Euclidean norm of body velocity
fBodyBodyGyroMag_std	std of Fast Fourier Transform of Euclidean norm of body angular velocity
fBodyBodyGyroJerkMag_mean	mean of Fast Fourier Transform of Euclidean norm of body velocity
fBodyBodyGyroJerkMag_std	std of Fast Fourier Transform of Euclidean norm of body angular velocity