Code Book - UCI HAR_Data set

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Comprehensive List of Variables in cleaned UCI HAR_Data set. Please refer to original experiment results for matching variable names with this table.

List of Variables and their Description

Variable	Description
Subject	Subject #
Activity	Activity
TimeBody_Acceleration_Mean_X	tBodyAcc-mean()-X
TimeBody_Acceleration_Mean_Y	tBodyAcc-mean()-Y
TimeBody_Acceleration_Mean_Z	tBodyAcc-mean()-Z
TimeGravity_Acceleration_Mean_X	tGravityAcc-mean()-X
TimeGravity_Acceleration_Mean_Y	tGravityAcc-mean()-Y
TimeGravity_Acceleration_Mean_Z	tGravityAcc-mean()-Z
TimeBody_Acceleration_Jerk_Mean_X	tBodyAccJerk-mean()-X
TimeBody_Acceleration_Jerk_Mean_Y	tBodyAccJerk-mean()-Y
TimeBody_Acceleration_Jerk_Mean_Z	tBodyAccJerk-mean()-Z
TimeBody_Gyroscope_Mean_X	tBodyGyro-mean()-X
TimeBody_Gyroscope_Mean_Y	tBodyGyro-mean()-Y
TimeBody_Gyroscope_Mean_Z	tBodyGyro-mean()-Z
TimeBody_Gyroscope_Jerk_Mean_X	tBodyGyroJerk-mean()-X
TimeBody_Gyroscope_Jerk_Mean_Y	tBodyGyroJerk-mean()-Y
TimeBody_Gyroscope_Jerk_Mean_Z	tBodyGyroJerk-mean()-Z
TimeBody_Acceleration_Magnitude_Mean	tBodyAccMag-mean()
TimeGravity_Acceleration_Magnitude_Mean	tGravityAccMag-mean()
TimeBody_Acceleration_Jerk_Magnitude_Mean	tBodyAccJerkMag-mean()
TimeBody_Gyroscope_Magnitude_Mean	tBodyGyroMag-mean()
TimeBody_Gyroscope_Jerk_Magnitude_Mean	tBodyGyroJerkMag-mean()
Frequency_BodyAcceleration_Mean_X	fBodyAcc-mean()-X
Frequency_BodyAcceleration_Mean_Y	fBodyAcc-mean()-Y
Frequency_BodyAcceleration_Mean_Z	fBodyAcc-mean()-Z
Frequency_BodyAcceleration_Jerk_Mean_X	fBodyAccJerk-mean()-X
Frequency_BodyAcceleration_Jerk_Mean_Y	fBodyAccJerk-mean()-Y
Frequency_BodyAcceleration_Jerk_Mean_Z	fBodyAccJerk-mean()-Z
Frequency_BodyGyroscope_Mean_X	fBodyGyro-mean()-X
Frequency_BodyGyroscope_Mean_Y	fBodyGyro-mean()-Y
Frequency_BodyGyroscope_Mean_Z	fBodyGyro-mean()-Z
Frequency_BodyAcceleration_Magnitude_Mean	fBodyAccMag-mean()
Frequency_Body_Acceleration_Jerk_Magnitude_Mean	fBodyBodyAccJerkMag-mean()
Frequency_Body_Gyroscope_Magnitude_Mean	fBodyBodyGyroMag-mean()

Variable	Description
Frequency_Body_Gyroscope_Jerk_Magnitude_Mean	fBodyBodyGyroJerkMag-mean()
TimeBody_Acceleration_SD_X	tBodyAcc-std()-X
TimeBody_Acceleration_SD_Y	tBodyAcc-std()-Y
TimeBody_Acceleration_SD_Z	tBodyAcc-std()-Z
TimeGravity_Acceleration_SD_X	tGravityAcc-std()-X
TimeGravity_Acceleration_SD_Y	tGravityAcc-std()-Y
TimeGravity_Acceleration_SD_Z	tGravityAcc-std()-Z
TimeBody_Acceleration_Jerk_SD_X	tBodyAccJerk-std()-X
TimeBody_Acceleration_Jerk_SD_Y	tBodyAccJerk-std()-Y
TimeBody_Acceleration_Jerk_SD_Z	tBodyAccJerk-std()-Z
TimeBody_Gyroscope_SD_X	tBodyGyro-std()-X
TimeBody_Gyroscope_SD_Y	tBodyGyro-std()-Y
TimeBody_Gyroscope_SD_Z	tBodyGyro-std()-Z
TimeBody_Gyroscope_Jerk_SD_X	tBodyGyroJerk-std()-X
TimeBody_Gyroscope_Jerk_SD_Y	tBodyGyroJerk-std()-Y
TimeBody_Gyroscope_Jerk_SD_Z	tBodyGyroJerk-std()-Z
TimeBody_Acceleration_Magnitude_SD	tBodyAccMag-std()
TimeGravity_Acceleration_Magnitude_SD	tGravityAccMag-std()
TimeBody_Acceleration_Jerk_Magnitude_SD	tBodyAccJerkMag-std()
TimeBody_Gyroscope_Magnitude_SD	tBodyGyroMag-std()
TimeBody_Gyroscope_Jerk_Magnitude_SD	tBodyGyroJerkMag-std()
Frequency_BodyAcceleration_SD_X	fBodyAcc-std()-X
Frequency_BodyAcceleration_SD_Y	fBodyAcc-std()-Y
Frequency_BodyAcceleration_SD_Z	fBodyAcc-std()-Z
Frequency_BodyAcceleration_Jerk_SD_X	fBodyAccJerk-std()-X
Frequency_BodyAcceleration_Jerk_SD_Y	fBodyAccJerk-std()-Y
Frequency_BodyAcceleration_Jerk_SD_Z	fBodyAccJerk-std()-Z
Frequency_BodyGyroscope_SD_X	fBodyGyro-std()-X
Frequency_BodyGyroscope_SD_Y	fBodyGyro-std()-Y
Frequency_BodyGyroscope_SD_Z	fBodyGyro-std()-Z
Frequency_BodyAcceleration_Magnitude_SD	fBodyAccMag-std()
Frequency_Body_Acceleration_Jerk_Magnitude_SD	fBodyBodyAccJerkMag-std()
Frequency_Body_Gyroscope_Magnitude_SD	fBodyBodyGyroMag-std()
Frequency_Body_Gyroscope_Jerk_Magnitude_SD	fBodyBodyGyroJerkMag-std()

All units to match original Data. Please refer to experimental results for further info.

Thanks.