

## DATA DICTIONARY – Cleaning data assignment

### set

defines whether the entry belongs to the training or the testing set

TRAIN

TEST

### subject

subject id (from 1 to 30)

1 .Subject 1

2 .Subject 2

3 – 30 .Subjects from 3 to 30

### activity

activity that was carried out

WALKING

WALKING\_UPSTAIRS

WALKING\_DOWNSTAIRS

SITTING

STANDING

LAYING

### tBodyAcc.mean.XYZ

Mean of the mean body acceleration raw signal in the axes X, Y or Z.

Units = g.

### tBodyAcc.std. XYZ

Mean of the standard deviation of body acceleration raw signal in the axes X, Y or Z.

Units = g.

### tGravityAcc.mean. XYZ

Mean of the mean gravity acceleration raw signal in the axes X, Y or Z.

Units = g.

### tGravityAcc.std. XYZ

Mean of the standard deviation of gravity acceleration raw signal in the axes X, Y or Z.

Units = g.

### tBodyAccJerk.mean.XYZ

Mean of the mean body acceleration jerk signal in the axes X, Y or Z.

Units = g.

### tBodyAccJerk.std. XYZ

Mean of the standard deviation of body acceleration jerk signal in the axes X, Y or Z.

Units = g.

tBodyGyro.mean.XYZ

Mean of the mean body angular velocity raw signal in the axes X, Y or Z.  
Units = radians/second.

tBodyGyro.std.XYZ

Mean of the standard deviation of body angular velocity raw signal in the axes X, Y or Z.  
Units = radians/second.

tBodyGyroJerk.mean.XYZ

Mean of the mean body angular velocity jerk signal in the axes X, Y or Z.  
Units = radians/second.

tBodyGyroJerk.std.XYZ

Mean of the standard deviation of body angular velocity jerk signal in the axes X, Y or Z.  
Units = radians/second.

tBodyAccMag.mean

Mean of the mean body acceleration magnitude raw signal.  
Units = g.

tBodyAccMag.std

Mean of the standard deviation of the body acceleration magnitude raw signal.  
Units = g.

tGravityAccMag.mean

Mean of the mean gravity acceleration magnitude raw signal.  
Units = g.

tGravityAccMag.std

Mean of the standard deviation of the body acceleration magnitude raw signal.  
Units = g.

tBodyAccJerkMag.mean

Mean of the mean body acceleration magnitude jerk signal.  
Units = g.

tBodyAccJerkMag.std

Mean of the standard deviation of the body acceleration magnitude jerk signal.  
Units = g.

tBodyGyroMag.mean

Mean of the mean body angular velocity magnitude raw signal.  
Units = radians/second.

tBodyGyroMag.std

Mean of the standard deviation of the body angular velocity magnitude raw signal.  
Units = radians/second.

tBodyGyroJerkMag.mean

Mean of the mean body angular velocity magnitude jerk signal.  
Units = radians/second.

tBodyGyroJerkMag.std

Mean of the standard deviation of the body angular velocity magnitude jerk signal.  
Units = radians/second.

The following follow the same rational as before, the only difference being that the prefix 'f' indicates frequency domain signals instead of time domain signals.

fBodyAcc.mean.XYZ

fBodyAcc.std.XYZ

fBodyAccJerk.mean.XYZ

fBodyAccJerk.std.XYZ

fBodyGyro.mean.XYZ

fBodyGyro.std.XYZ

fBodyAccMag.mean

fBodyAccMag.std

fBodyBodyAccJerkMag.mean

fBodyBodyAccJerkMag.std

fBodyBodyGyroMag.mean

fBodyBodyGyroMag.std

fBodyBodyGyroJerkMag.mean

fBodyBodyGyroJerkMag.std