

Variable name	Character of variable	Description of variable	Values	Additional comments
subject_ID	integer	volunteer number that took part in the experiment	1 : 30	
activity	character	performed activity during the experiment	WALKING WALKING_UPSTAIRS WALKING_DOWNSTAIRS SITTING STANDING LAYING	
activity_ID	integer	id of the activity	1: 6	
tBodyAcc_mean_X	numerical	Average mean of body time signals from accelerometer obtained during particular activity [X	[-1;1]	normalised values - no units of measurement
tBodyAcc_mean_Y	numerical	Average mean of body time signals from accelerometer obtained during particular activity [Y	[-1;1]	normalised values - no units of measurement
tBodyAcc_mean_Z	numerical	Average mean of body time signals from accelerometer obtained during particular activity [Z	[-1;1]	normalised values - no units of measurement
tBodyAcc_std_X	numerical	Average standard deviation of body time signals from accelerometer obtained during particular	[-1;1]	normalised values - no units of measurement
tBodyAcc_std_Y	numerical	Average standard deviation of body time signals from accelerometer obtained during particular	[-1;1]	normalised values - no units of measurement
tBodyAcc_std_Z	numerical	Average standard deviation of body time signals from accelerometer obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
tGravityAcc_mean_X	numerical	Average mean of gravity time signals from accelerometer obtained during particular activity [X	[-1;1]	normalised values - no units of measurement
tGravityAcc_mean_Y	numerical	Average mean of gravity time signals from accelerometer obtained during particular activity [Y	[-1;1]	normalised values - no units of measurement
tGravityAcc_mean_Z	numerical	Average mean of gravity time signals from accelerometer obtained during particular activity [Z	[-1;1]	normalised values - no units of measurement
tGravityAcc_std_X	numerical	Average standard deviation of gravity time signals from accelerometer obtained during particular activity [X axis]	[-1;1]	normalised values - no units of measurement
tGravityAcc_std_Y	numerical	Average standard deviation of gravity time signals from accelerometer obtained during particular activity [Y axis]	[-1;1]	normalised values - no units of measurement
tGravityAcc_std_Z	numerical	Average standard deviation of gravity time signals from accelerometer obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
tBodyAccJerk_mean_X	numerical	Average mean of body linear signals from accelerometer derived in time to Jerk signals obtained during particular activity [X axis]	[-1;1]	normalised values - no units of measurement
tBodyAccJerk_mean_Y	numerical	Average mean of body linear signals from accelerometer derived in time to Jerk signals obtained during particular activity [Y axis]	[-1;1]	normalised values - no units of measurement
tBodyAccJerk_mean_Z	numerical	Average mean of body linear signals from accelerometer derived in time to Jerk signals obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
tBodyAccJerk_std_X	numerical	Average standard deviation of body linear signals from accelerometer derived in time to Jerk signals obtained during particular activity [X axis]	[-1;1]	normalised values - no units of measurement
tBodyAccJerk_std_Y	numerical	Average standard deviation of body linear signals from accelerometer derived in time to Jerk signals obtained during particular activity [Y axis]	[-1;1]	normalised values - no units of measurement
tBodyAccJerk_std_Z	numerical	Average standard deviation of body linear signals from accelerometer derived in time to Jerk signals obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
tBodyGyro_mean_X	numerical	Average mean of body time signals from gyroscope obtained during particular activity [X axis]	[-1;1]	normalised values - no units of measurement
tBodyGyro_mean_Y	numerical	Average mean of body time signals from gyroscope obtained during particular activity [Y axis]	[-1;1]	normalised values - no units of measurement
tBodyGyro_mean_Z	numerical	Average mean of body time signals from gyroscope obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
tBodyGyro_std_X	numerical	Average standard deviation of body time signals from gyroscope obtained during particular activity [X axis]	[-1;1]	normalised values - no units of measurement
tBodyGyro_std_Y	numerical	Average standard deviation of body time signals from gyroscope obtained during particular activity [Y axis]	[-1;1]	normalised values - no units of measurement
tBodyGyro_std_Z	numerical	Average standard deviation of body time signals from gyroscope obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
tBodyGyroJerk_mean_X	numerical	Average mean of body linear signals from gyroscope derived in time to Jerk signals obtained during particular activity [X axis]	[-1;1]	normalised values - no units of measurement
tBodyGyroJerk_mean_Y	numerical	Average mean of body linear signals from gyroscope derived in time to Jerk signals obtained during particular activity [Y axis]	[-1;1]	normalised values - no units of measurement
tBodyGyroJerk_mean_Z	numerical	Average mean of body linear signals from gyroscope derived in time to Jerk signals obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement

[illegible]

fBodyGyro_mean_Z	numerical	Average mean of body frequency signals from gyroscope obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
fBodyGyro_std_X	numerical	Average standard deviation of body frequency signals from gyroscope obtained during particular activity [X axis]	[-1;1]	normalised values - no units of measurement
fBodyGyro_std_Y	numerical	Average standard deviation of body frequency signals from gyroscope obtained during particular activity [Y axis]	[-1;1]	normalised values - no units of measurement
fBodyGyro_std_Z	numerical	Average standard deviation of body frequency signals from gyroscope obtained during particular activity [Z axis]	[-1;1]	normalised values - no units of measurement
fBodyAccMag_mean	numerical	Average mean of magnitude of three-dimensional body signals from accelerometer derived in frequency obtained during particular activity	[-1;1]	normalised values - no units of measurement
fBodyAccMag_std	numerical	Average standard deviation of magnitude of three-dimensional body signals from accelerometer derived in frequency obtained during particular activity	[-1;1]	normalised values - no units of measurement
fBodyBodyAccJerkMag_mean	numerical	Average mean of magnitude of three-dimensional body signals from accelerometer derived in frequency to Jerk signals obtained during particular activity	[-1;1]	normalised values - no units of measurement
fBodyBodyAccJerkMag_std	numerical	Average standard deviation of magnitude of three-dimensional body signals from accelerometer derived in frequency to Jerk signals obtained during particular activity	[-1;1]	normalised values - no units of measurement
fBodyBodyGyroMag_mean	numerical	Average mean of magnitude of three-dimensional body signals from gyroscope derived in frequency obtained during particular activity	[-1;1]	normalised values - no units of measurement
fBodyBodyGyroMag_std	numerical	Average standard deviation of magnitude of three-dimensional body signals from gyroscope derived in frequency obtained during particular activity	[-1;1]	normalised values - no units of measurement
fBodyBodyGyroJerkMag_mean	numerical	Average mean of magnitude of three-dimensional body signals from gyroscope derived in frequency to Jerk signals obtained during particular activity	[-1;1]	normalised values - no units of measurement
fBodyBodyGyroJerkMag_std	numerical	Average standard deviation of magnitude of three-dimensional body signals from gyroscope derived in frequency to Jerk signals obtained during particular activity	[-1;1]	normalised values - no units of measurement