Variable	Type	Minimum	Maximum	Description
subject	Integer	1	30	Number of the subject from group of 30 volunteers
actname	Factor, 6 levels: WALKING, WALKINGUPSTAIRS, WALKINGDOWNSTAIRS, SITTING, STANDING, LAYING	na	na	names of activities the volunteers performed;
tBodyAcc.mean.X	Numeric	-1	1	average of mean for time domain signals, body acceleration signal, X direction
tBodyAcc.mean.Y	Numeric	-1	1	average of mean for time domain signals, body acceleration signal, Y direction
tBodyAcc.mean.Z	Numeric	-1	1	average of mean for time domain signals, body acceleration signal, Z direction
tBodyAcc.std.X	Numeric	-1	1	average of standard deviation for time domain signals, body acceleration signal, X direction
tBodyAcc.std.Y	Numeric	-1	1	average of standard deviation for time domain signals, body acceleration signal, Y direction
tBodyAcc.std.Z	Numeric	-1	1	average of standard deviation for time domain signals, body acceleration signal, Z direction
tGravityAcc.mean.X	Numeric	-1	1	average of mean for time domain signals, gravity acceleration signal, X direction
tGravityAcc.mean.Y	Numeric	-1	1	average of mean for time domain signals, gravity acceleration signal, Y direction
tGravityAcc.mean.Z	Numeric	-1	1	average of mean for time domain signals, gravity acceleration signal, Z direction
tGravityAcc.std.X	Numeric	-1	1	average of standard deviation for time domain signals, gravity acceleration signal, X direction
tGravityAcc.std.Y	Numeric	-1	1	average of standard deviation for time domain signals, gravity acceleration signal, Y direction
tGravityAcc.std.Z	Numeric	-1	1	average of standard deviation for time domain signals, gravity acceleration signal, Z direction
tBodyAccJerk.mean.X	Numeric	-1	1	average of mean for time domain signals, body acceleration Jerk signal, X direction
tBodyAccJerk.mean.Y	Numeric	-1	1	average of mean for time domain signals, body acceleration Jerk signal, Y direction
tBodyAccJerk.mean.Z	Numeric	-1	1	average of mean for time domain signals, body acceleration Jerk signal, Z direction
tBodyAccJerk.std.X	Numeric	-1	1	average of standard deviation for time domain signals, body acceleration Jerk signal, X direction
tBodyAccJerk.std.Y	Numeric	-1	1	average of standard deviation for time domain signals, body acceleration Jerk signal, Y direction
tBodyAccJerk.std.Z	Numeric	-1	1	average of standard deviation for time domain signals, body acceleration Jerk signal, Z direction
tBodyGyro.mean.X	Numeric	-1	1	average of mean for time domain signals, body gyroscope signal, X direction
tBodyGyro.mean.Y	Numeric	-1	1	average of mean for time domain signals, body gyroscope signal, Y direction
tBodyGyro.mean.Z	Numeric	-1	1	average of mean for time domain signals, body gyroscope signal, Z direction
tBodyGyro.std.X	Numeric	-1	1	average of standard deviation for time domain signals, body gyroscope signal, X direction
tBodyGyro.std.Y	Numeric	-1	1	average of standard deviation for time domain signals, body gyroscope signal, Y direction
tBodyGyro.std.Z	Numeric	-1	1	average of standard deviation for time domain signals, body gyroscope signal, Z direction
tBodyGyroJerk.mean.X	Numeric	-1	1	average of mean for time domain signals, body gyroscope Jerk signal, X direction
tBodyGyroJerk.mean.Y	Numeric	-1	1	average of mean for time domain signals, body gyroscope Jerk signal, Y direction
tBodyGyroJerk.mean.Z	Numeric	-1	1	average of mean for time domain signals, body gyroscope Jerk signal, Z direction
tBodyGyroJerk.std.X	Numeric	-1	1	average of standard deviation for time domain signals, body gyroscope Jerk signal, X direction
tBodyGyroJerk.std.Y	Numeric	-1	1	average of standard deviation for time domain signals, body gyroscope Jerk signal, Y direction
tBodyGyroJerk.std.Z	Numeric	-1	1	average of standard deviation for time domain signals, body gyroscope Jerk signal, Z direction
tBodyAccMag.mean	Numeric	-1	1	average of mean for time domain signals, magnitude of body acceleration signal
tBodyAccMag.std	Numeric	-1	1	average of standard deviation for time domain signals, magnitude of body acceleration signal
tGravityAccMag.mean	Numeric	-1	1	average of mean for time domain signals, magnitude of gravity acceleration signal
tGravityAccMag.std	Numeric	-1	1	average of standard deviation for time domain signals, magnitude of gravity acceleration signal
tBodyAccJerkMag.mean	Numeric	-1	1	average of mean for time domain signals, magnitude of body acceleration Jerk signal
tBodyAccJerkMag.std	Numeric	-1	1	average of standard deviation for time domain signals, magnitude of body acceleration Jerk signal
tBodyGyroMag.mean	Numeric	-1	1	average of mean for time domain signals, magnitude of body gyroscope signal
tBodyGyroMag.std	Numeric	-1	1	average of standard deviation for time domain signals, magnitude of body gyroscope signal
tBodyGyroJerkMag.mean	Numeric	-1	1	average of mean for time domain signals, magnitude of body gyroscope Jerk signal
tBodyGyroJerkMag.std	Numeric	-1	1	average of standard deviation for time domain signals, magnitude of body gyroscope Jerk signal
fBodyAcc.mean.X	Numeric	-1	1	average of mean for frequency domain signals, body acceleration signal, X direction
fBodyAcc.mean.Y	Numeric	-1	1	average of mean for frequency domain signals, body acceleration signal, Y direction
fBodyAcc.mean.Z	Numeric	-1	1	average of mean for frequency domain signals, body acceleration signal, Z direction
fBodyAcc.std.X	Numeric	-1	1	average of standard deviation for frequency domain signals, body acceleration signal, X direction
fBodyAcc.std.Y	Numeric	-1	1	average of standard deviation for frequency domain signals, body acceleration signal, Y direction
fBodyAcc.std.Z	Numeric	-1	1	average of standard deviation for frequency domain signals, body acceleration signal, Z direction
fBodyAccJerk.mean.X	Numeric	-1	1	average of mean for frequency domain signals, body acceleration Jerk signal, X direction
fBodyAccJerk.mean.Y	Numeric	-1	1	average of mean for frequency domain signals, body acceleration Jerk signal, Y direction
fBodyAccJerk.mean.Z	Numeric	-1	1	average of mean for frequency domain signals, body acceleration Jerk signal, Z direction

fBodyAccJerk.std.X	Numeric	-1	1	average of standard deviation for frequency domain signals, body acceleration Jerk signal, X direction
fBodyAccJerk.std.Y	Numeric	-1	1	average of standard deviation for frequency domain signals, body acceleration Jerk signal, Y direction
fBodyAccJerk.std.Z	Numeric	-1	1	average of standard deviation for frequency domain signals, body acceleration Jerk signal, Z direction
fBodyGyro.mean.X	Numeric	-1	1	average of mean for frequency domain signals, body gyroscope signal, X direction
fBodyGyro.mean.Y	Numeric	-1	1	average of mean for frequency domain signals, body gyroscope signal, Y direction
fBodyGyro.mean.Z	Numeric	-1	1	average of mean for frequency domain signals, body gyroscope signal, Z direction
fBodyGyro.std.X	Numeric	-1	1	average of standard deviation for frequency domain signals, body gyroscope signal, X direction
fBodyGyro.std.Y	Numeric	-1	1	average of standard deviation for frequency domain signals, body gyroscope signal, Y direction
fBodyGyro.std.Z	Numeric	-1	1	average of standard deviation for frequency domain signals, body gyroscope signal, Z direction
fBodyAccMag.mean	Numeric	-1	1	average of mean for frequency domain signals, magnitude of body acceleration signal
fBodyAccMag.std	Numeric	-1	1	average of standard deviation for frequency domain signals, magnitude of body acceleration signal
fBodyBodyAccJerkMag.mean	Numeric	-1	1	average of mean for frequency domain signals, magnitude of body acceleration Jerk signal
fBodyBodyAccJerkMag.std	Numeric	-1	1	average of standard deviation for frequency domain signals, magnitude of body acceleration Jerk signal
fBodyBodyGyroMag.mean	Numeric	-1	1	average of mean for frequency domain signals, magnitude of body gyroscope signal
fBodyBodyGyroMag.std	Numeric	-1	1	average of standard deviation for frequency domain signals, magnitude of body gyroscope signal
fBodyBodyGyroJerkMag.mean	Numeric	-1	1	average of mean for frequency domain signals, magnitude of body gyroscope Jerk signal
fBodyBodyGyroJerkMag.std	Numeric	-1	1	average of standard deviation for frequency domain signals, magnitude of body gyroscope Jerk signal

Data derived from:
Human Activity Recognition Using Smartphones Dataset
Version 1.0
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