| **Variable name** | **Description** | **Summary performed** |
| --- | --- | --- |
| Activity\_name | Activity being performed (WALKING, WALKING\_UPSTAIRS, WALKING\_DOWNSTAIRS, SITTING, STANDING, LAYING) | NA |
| subject\_id | Subject ID | NA |
| Mean of tBodyAcc-X | Average of "Mean of tBodyAcc-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyAcc-Y | Average of "Mean of tBodyAcc-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyAcc-Z | Average of "Mean of tBodyAcc-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAcc-X | Average of "Std dev of tBodyAcc-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAcc-Y | Average of "Std dev of tBodyAcc-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAcc-Z | Average of "Std dev of tBodyAcc-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tGravityAcc-X | Average of "Mean of tGravityAcc-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tGravityAcc-Y | Average of "Mean of tGravityAcc-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tGravityAcc-Z | Average of "Mean of tGravityAcc-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tGravityAcc-X | Average of "Std dev of tGravityAcc-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tGravityAcc-Y | Average of "Std dev of tGravityAcc-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tGravityAcc-Z | Average of "Std dev of tGravityAcc-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyAccJerk-X | Average of "Mean of tBodyAccJerk-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyAccJerk-Y | Average of "Mean of tBodyAccJerk-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyAccJerk-Z | Average of "Mean of tBodyAccJerk-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAccJerk-X | Average of "Std dev of tBodyAccJerk-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAccJerk-Y | Average of "Std dev of tBodyAccJerk-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAccJerk-Z | Average of "Std dev of tBodyAccJerk-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyro-X | Average of "Mean of tBodyGyro-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyro-Y | Average of "Mean of tBodyGyro-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyro-Z | Average of "Mean of tBodyGyro-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyro-X | Average of "Std dev of tBodyGyro-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyro-Y | Average of "Std dev of tBodyGyro-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyro-Z | Average of "Std dev of tBodyGyro-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyroJerk-X | Average of "Mean of tBodyGyroJerk-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyroJerk-Y | Average of "Mean of tBodyGyroJerk-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyroJerk-Z | Average of "Mean of tBodyGyroJerk-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyroJerk-X | Average of "Std dev of tBodyGyroJerk-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyroJerk-Y | Average of "Std dev of tBodyGyroJerk-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyroJerk-Z | Average of "Std dev of tBodyGyroJerk-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyAccMag | Average of "Mean of tBodyAccMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAccMag | Average of "Std dev of tBodyAccMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tGravityAccMag | Average of "Mean of tGravityAccMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tGravityAccMag | Average of "Std dev of tGravityAccMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyAccJerkMag | Average of "Mean of tBodyAccJerkMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyAccJerkMag | Average of "Std dev of tBodyAccJerkMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyroMag | Average of "Mean of tBodyGyroMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyroMag | Average of "Std dev of tBodyGyroMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of tBodyGyroJerkMag | Average of "Mean of tBodyGyroJerkMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of tBodyGyroJerkMag | Average of "Std dev of tBodyGyroJerkMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyAcc-X | Average of "Mean of fBodyAcc-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyAcc-Y | Average of "Mean of fBodyAcc-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyAcc-Z | Average of "Mean of fBodyAcc-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyAcc-X | Average of "Std dev of fBodyAcc-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyAcc-Y | Average of "Std dev of fBodyAcc-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyAcc-Z | Average of "Std dev of fBodyAcc-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyAccJerk-X | Average of "Mean of fBodyAccJerk-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyAccJerk-Y | Average of "Mean of fBodyAccJerk-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyAccJerk-Z | Average of "Mean of fBodyAccJerk-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyAccJerk-X | Average of "Std dev of fBodyAccJerk-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyAccJerk-Y | Average of "Std dev of fBodyAccJerk-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyAccJerk-Z | Average of "Std dev of fBodyAccJerk-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyGyro-X | Average of "Mean of fBodyGyro-X" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyGyro-Y | Average of "Mean of fBodyGyro-Y" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyGyro-Z | Average of "Mean of fBodyGyro-Z" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyGyro-X | Average of "Std dev of fBodyGyro-X" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyGyro-Y | Average of "Std dev of fBodyGyro-Y" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyGyro-Z | Average of "Std dev of fBodyGyro-Z" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyAccMag | Average of "Mean of fBodyAccMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyAccMag | Average of "Std dev of fBodyAccMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyBodyAccJerkMag | Average of "Mean of fBodyBodyAccJerkMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyBodyAccJerkMag | Average of "Std dev of fBodyBodyAccJerkMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyBodyGyroMag | Average of "Mean of fBodyBodyGyroMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyBodyGyroMag | Average of "Std dev of fBodyBodyGyroMag" | Mean by "Activity\_name" & "subject\_id" |
| Mean of fBodyBodyGyroJerkMag | Average of "Mean of fBodyBodyGyroJerkMag" | Mean by "Activity\_name" & "subject\_id" |
| Std dev of fBodyBodyGyroJerkMag | Average of "Std dev of fBodyBodyGyroJerkMag" | Mean by "Activity\_name" & "subject\_id" |