Title: "Getting-and-Cleaning-Data-Week-4-Assignment"

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Output: "tidydate.txt""

# Code Book

The final summary tidy dataset "tidydata.txt" contains the average of each variable for each activity and each subject from the Human Activity Recognition Using Smartphones Data Set

## Description

Data in dataset contains 180 rows and 68 columns for

•mean(): Mean value

•std(): Standard deviation

## Identifiers

The base data is grouped by the following values to build mean value and the standard deviation std()

•subject - The ID of the test subject

•activity - The type of activity performed when the corresponding measurements were taken

## Activity

The 30 subject are numbered sequentially from 1 to 30. Activity column has 6 types as listed below.

1.WALKING

2.WALKING\_UPSTAIRS

3.WALKING\_DOWNSTAIRS

4.SITTING

5.STANDING

6.LAYING

# Measurements of the tidy dataset

1."activitylabel"

2."subject"

3."tBodyAcc-mean()-X"

4."tBodyAcc-mean()-Y"

5."tBodyAcc-mean()-Z"

6."tBodyAcc-std()-X"

7."tBodyAcc-std()-Y"

8."tBodyAcc-std()-Z"

9."tGravityAcc-mean()-X"

10."tGravityAcc-mean()-Y"

11."tGravityAcc-mean()-Z"

12."tGravityAcc-std()-X"

13."tGravityAcc-std()-Y"

14."tGravityAcc-std()-Z"

15."tBodyAccJerk-mean()-X"

16."tBodyAccJerk-mean()-Y"

17."tBodyAccJerk-mean()-Z"

18."tBodyAccJerk-std()-X"

19."tBodyAccJerk-std()-Y"

20."tBodyAccJerk-std()-Z"

21."tBodyGyro-mean()-X"

22."tBodyGyro-mean()-Y"

23."tBodyGyro-mean()-Z"

24."tBodyGyro-std()-X"

25."tBodyGyro-std()-Y"

26."tBodyGyro-std()-Z"

27."tBodyGyroJerk-mean()-X"

28."tBodyGyroJerk-mean()-Y"

29."tBodyGyroJerk-mean()-Z"

30."tBodyGyroJerk-std()-X"

31."tBodyGyroJerk-std()-Y"

32."tBodyGyroJerk-std()-Z"

33."tBodyAccMag-mean()"

34."tBodyAccMag-std()"

35."tGravityAccMag-mean()"

36."tGravityAccMag-std()"

37."tBodyAccJerkMag-mean()"

38."tBodyAccJerkMag-std()"

39."tBodyGyroMag-mean()"

40."tBodyGyroMag-std()"

41."tBodyGyroJerkMag-mean()"

42."tBodyGyroJerkMag-std()"

43."fBodyAcc-mean()-X"

44."fBodyAcc-mean()-Y"

45."fBodyAcc-mean()-Z"

46."fBodyAcc-std()-X"

47."fBodyAcc-std()-Y"

48."fBodyAcc-std()-Z"

49."fBodyAccJerk-mean()-X"

50."fBodyAccJerk-mean()-Y"

51."fBodyAccJerk-mean()-Z"

52."fBodyAccJerk-std()-X"

53."fBodyAccJerk-std()-Y"

54."fBodyAccJerk-std()-Z"

55."fBodyGyro-mean()-X"

56."fBodyGyro-mean()-Y"

57."fBodyGyro-mean()-Z"

58."fBodyGyro-std()-X"

59."fBodyGyro-std()-Y"

60."fBodyGyro-std()-Z"

61."fBodyAccMag-mean()"

62."fBodyAccMag-std()"

63."fBodyBodyAccJerkMag-mean()"

64."fBodyBodyAccJerkMag-std()"

65."fBodyBodyGyroMag-mean()"

66."fBodyBodyGyroMag-std()"

67."fBodyBodyGyroJerkMag-mean()"

68."fBodyBodyGyroJerkMag-std()"