Getting and Cleaning Data course project dataset

Codebook

the dataset contain information extracted from Samsung dataset given in the assignment.

the dataset reflect the average value for every feature in the samsung data according to the subject, which did the experment, and the activity that was labled in the experment.

There is only one data file in this dataset.

Tidy.txt:

1. subject : the subject.
2. activity : the activity lable.
3. mean\_of\_tBodyAcc-mean()-X : the mean of the according feature grouped by sucject and activity.
4. mean\_of\_tBodyAcc-mean()-Y : the mean of the according feature grouped by sucject and activity.
5. mean\_of\_tBodyAcc-mean()-Z : the mean of the according feature grouped by sucject and activity.
6. mean\_of\_tBodyAcc-std()-X : the mean of the according feature grouped by sucject and activity.
7. mean\_of\_tBodyAcc-std()-Y : the mean of the according feature grouped by sucject and activity.
8. mean\_of\_tBodyAcc-std()-Z : the mean of the according feature grouped by sucject and activity.
9. mean\_of\_tGravityAcc-mean()-X : the mean of the according feature grouped by sucject and activity.
10. mean\_of\_tGravityAcc-mean()-Y : the mean of the according feature grouped by sucject and activity.
11. mean\_of\_tGravityAcc-mean()-Z : the mean of the according feature grouped by sucject and activity.
12. mean\_of\_tGravityAcc-std()-X : the mean of the according feature grouped by sucject and activity.
13. mean\_of\_tGravityAcc-std()-Y : the mean of the according feature grouped by sucject and activity.
14. mean\_of\_tGravityAcc-std()-Z : the mean of the according feature grouped by sucject and activity.
15. mean\_of\_tBodyAccJerk-mean()-X : the mean of the according feature grouped by sucject and activity.
16. mean\_of\_tBodyAccJerk-mean()-Y : the mean of the according feature grouped by sucject and activity.
17. mean\_of\_tBodyAccJerk-mean()-Z : the mean of the according feature grouped by sucject and activity.
18. mean\_of\_tBodyAccJerk-std()-X : the mean of the according feature grouped by sucject and activity.
19. mean\_of\_tBodyAccJerk-std()-Y : the mean of the according feature grouped by sucject and activity.
20. mean\_of\_tBodyAccJerk-std()-Z : the mean of the according feature grouped by sucject and activity.
21. mean\_of\_tBodyGyro-mean()-X : the mean of the according feature grouped by sucject and activity.
22. mean\_of\_tBodyGyro-mean()-Y : the mean of the according feature grouped by sucject and activity.
23. mean\_of\_tBodyGyro-mean()-Z : the mean of the according feature grouped by sucject and activity.
24. mean\_of\_tBodyGyro-std()-X : the mean of the according feature grouped by sucject and activity.
25. mean\_of\_tBodyGyro-std()-Y : the mean of the according feature grouped by sucject and activity.
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27. mean\_of\_tBodyGyroJerk-mean()-X : the mean of the according feature grouped by sucject and activity.
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32. mean\_of\_tBodyGyroJerk-std()-Z : the mean of the according feature grouped by sucject and activity.
33. mean\_of\_tBodyAccMag-mean() : the mean of the according feature grouped by sucject and activity.
34. mean\_of\_tBodyAccMag-std() : the mean of the according feature grouped by sucject and activity.
35. mean\_of\_tGravityAccMag-mean() : the mean of the according feature grouped by sucject and activity.
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38. mean\_of\_tBodyAccJerkMag-std() : the mean of the according feature grouped by sucject and activity.
39. mean\_of\_tBodyGyroMag-mean() : the mean of the according feature grouped by sucject and activity.
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42. mean\_of\_tBodyGyroJerkMag-std() : the mean of the according feature grouped by sucject and activity.
43. mean\_of\_fBodyAcc-mean()-X : the mean of the according feature grouped by sucject and activity.
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49. mean\_of\_fBodyAcc-meanFreq()-X : the mean of the according feature grouped by sucject and activity.
50. mean\_of\_fBodyAcc-meanFreq()-Y : the mean of the according feature grouped by sucject and activity.
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