## Week 4 Course CodeCook

## 8/14/2020

The whole script, run\_anlysis.R, would generate a tidy Text File, called "TargetData.txt" at last.

## Order and Grouping Variables

The dataset is grouped and ordered by Subject, then Activity. The activity variable is a factor - it's ordering is specified by Levels.

Index	Variable	Class	Description
1	Subject	Num	Participant's identifying number. Each participant will have
			6 entries, one for each activity
2	Activity	Factor	The activities that were identified through accelerometer
			data. Levels = WALKING, WALKING_UPSTAIRS,
			WALKING_DOWNSTAIRS, SITTING, STANDING,
			LAYING

## Mean of Motion Data Variables

The assignment called for a tidy dataset of the mean of certain variables, contains variables with measurements of

- 1. mean and
- 2. std

The whole colnames, extracted from TargetData variable from R, are:

Index	Variable Name
1	subject
2	activity
3	TimeBodyAccelerometer.meanX
4	TimeBodyAccelerometer.meanY
5	TimeBodyAccelerometer.meanZ
6	TimeGravityAccelerometer.meanX
7	TimeGravityAccelerometer.meanY
8	TimeGravityAccelerometer.meanZ
9	TimeBodyAccelerometerJerk.meanX

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