

Assignment-Due: Teusday 10th March, 2020

STA 212

Dr. M
I. Akinyemi

Team 1

- You are required to Make a presentation and also submit a written report.
- Presentation dates and venues will be communicated later.
- Consult the course schedule given at the beginning of the course for submission guidelines.

Assignment-About the data

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- Sheet labelled W1 consists of
 - 6 location viz: H1, H2, M1, M2, L1, L2.
 - Each location has 64 drug samples.
 - The value associated with each drug at each location.

Assignment-The tasks

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Use the data to answer the following questions:

- Is there statistically significant differences in drug values within location bands?
(Hint: test $H1$ vs $H2$, $M1$ vs $M2$ and $L1$ vs $L2$)
- Is there statistically significant differences in drug values across location bands?
(Hint: test $H1$ vs $H2$ vs $M1$ vs $M2$ vs $L1$ vs $L2$)
- Would you say that drug value is affected by drug sample, location, drug sample and location?
(Hint: test for the effect of drug sample, location as well as the interaction between drug sample and location)
- Remember to run detailed exploratory analysis using both descriptive statistics and visuals.