



[COGS 9] Discussion Inferential Analysis, ML/DL Demos

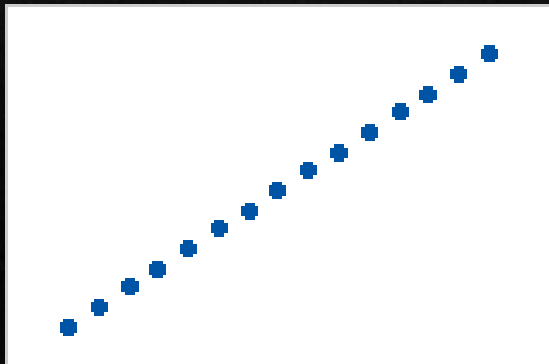
Assignment 3 due on 3rd March (Mon)

Correlation Coefficients

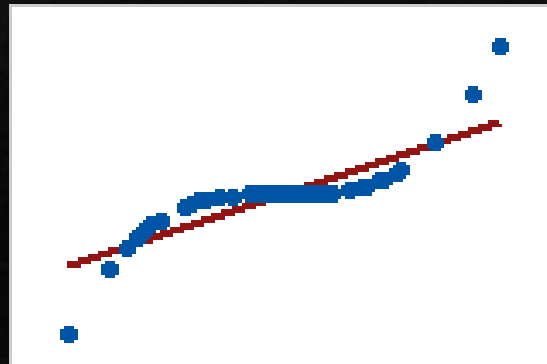
Pearson Correlation = Linear relationship between two variables

Spearman Correlation = Monotonic relationship between two sets

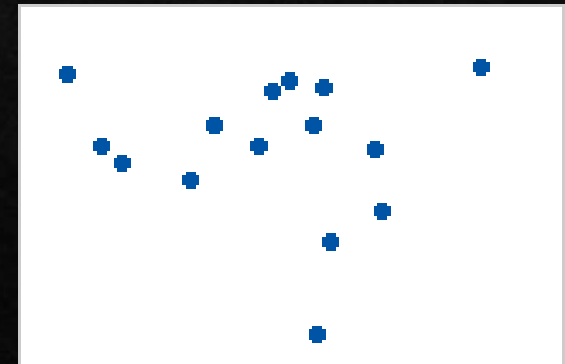
Pearson = +1, Spearman = +1



Pearson = +0.851, Spearman = +1



Pearson = -0.093, Spearman = -0.093



T-Test

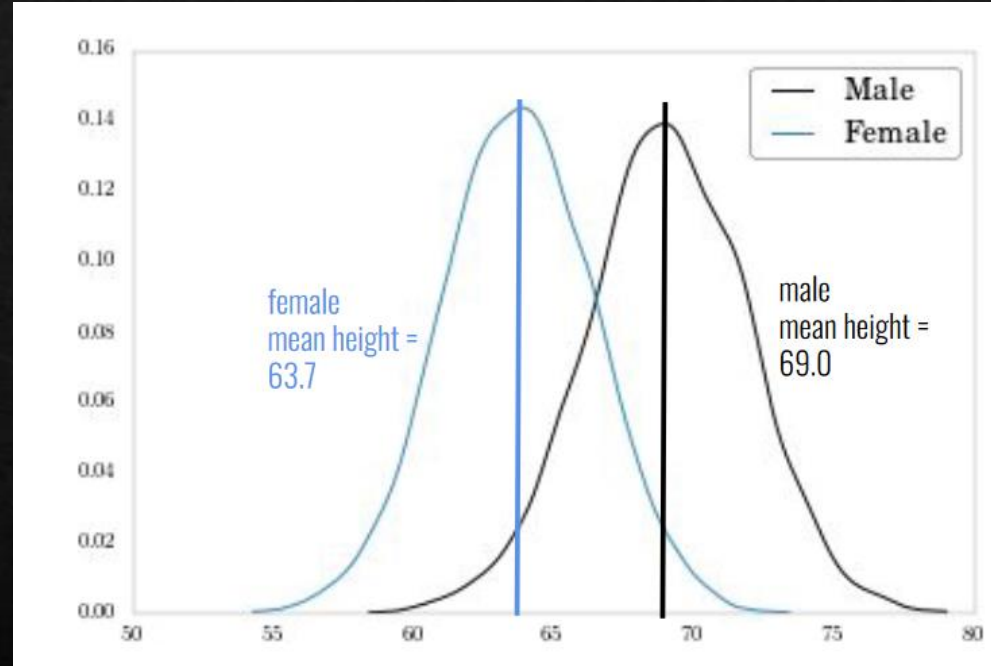
Test for differentiating between the means of 2 groups

- ◇ Data should be continuous
- ◇ Normally distributed
- ◇ Large enough sample size
- ◇ Equal variance between groups

Greater magnitude of T implies that there is a statistically significant difference b/w the 2 groups

t-statistic: -95.6

p-value < 0.001



*Demos (Yayy!)
Inferential Analysis
Machine Learning/Deep Learning*