DAY 13: HYPOTHESIS TESTING

TODO

HYPOTHESIS TESTING

Null and alternative hypothesis, interpretation of significance and p-values.

PROBABILITY DISTRIBUTIONS PROJECT

Submit Probability Distributions Exercises Project in Python (Random variables module), if you haven't done so already

HYPOTHESIS TESTING PROJECT

Submit Hypothesis Testing Exercises in Python (Hypothesis testing module), if you haven't already
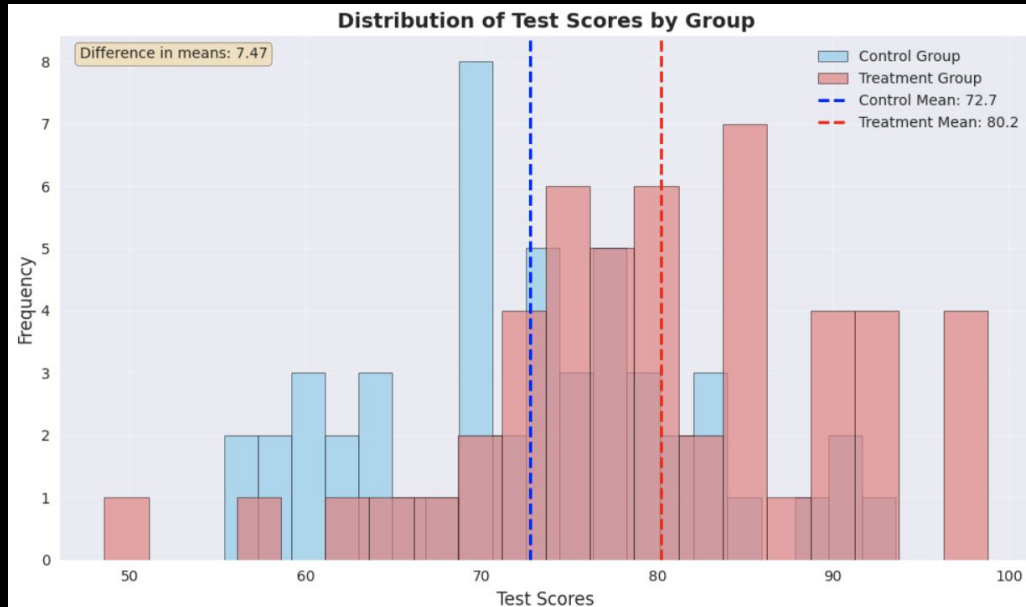
TOPICS

NULL & ALTERNATIVE HYPOTHESIS

NULL HYPOTHESIS
Any observed difference in means is due to chance

ALTERNATIVE HYPOTHESIS
The difference in means is not due to chance

Distribution of Test Scores by Group

OTHER TESTS

DISCRETE VARIABLES

Chi-square test > Fisher's exact test > Barnard's test

CONTINUOUS VARIABLES

		DATA DISTRIBUTION	
		'Normal'	Not 'Normal'
NUMBER OF GROUPS	Two	T-test	Mann-Whitney U test
	More than two	F-test	Kruskal–Wallis test