

# Analyzing the New York Subway Dataset

[Student Notes](#)[Code Review](#)[Project Review](#)[Project History](#)

## Does Not Meet Specifications

### Communication



#### SPECIFICATION

Analysis done using methods learned in the course is explained in a way that would be understandable to a student who has completed the class.

MEETS SPECIFICATION

#### Reviewer Comments

Your submission is really good, you are almost done but to complete your project you would need to :

1. Propose clearer statement and exact of the null hypothesis 1. The interpretation and usage of the two tailed P value needs to be reviewed.
2. Extend the considerations of 1.4 to section 4

Being able to formulate a correct and precise statement of the null hypothesis is tremendously important for you as a prospect data scientist, please make sure you understand why we need to specifically include populations in the statement.

#### SPECIFICATION

The answers are a well-formed summary of the analyses and do not leave out important information (i.e. fully answering the question).

MEETS SPECIFICATION

### Quality of Visualizations



#### SPECIFICATION

Plots depict relationships between two or more variables.

MEETS SPECIFICATION

## MEETS SPECIFICATION

How satisfied are you with this feedback?

 Resubmit Project

## SPECIFICATION

All plots are appropriately labeled and titled. Plot is given an appropriate title. X-axis and y-axis are appropriately labeled. Visual cues (colors, size, etc) are easy to distinguish. It is clear what data are represented.

## MEETS SPECIFICATION

## Quality of Analysis



## SPECIFICATION

When using statistical tests and linear regression models, the choice of test type and features are always well justified based on the characteristics of the data.

## DOES NOT MEET SPECIFICATION

**Reviewer Comments**

Which values are you comparing when stating the null hypothesis? you say: "The mean number of subway entries is the same when it is raining compared with when it is not"? The sample means? That would be wrong, we already have the sample means as I wrote in my last review. With our test we are trying to assess whether the sample means are different because the two populations are different or just by chance. **The statement needs to involve the populations**, please DO visit the provided link and you will benefit from that: <http://support.minitab.com/en-us/minitab/17/topic-library/basic-statistics-and-graphs/hypothesis-tests/basics/what-is-a-hypothesis-test/>

A helpful quote from that link: "**A hypothesis test examines two opposing hypotheses about a population**"

## SPECIFICATION

Statistical tests and linear regression models are described thoroughly, and the reasons for choosing them are articulated clearly.

## MEETS SPECIFICATION

## SPECIFICATION

The use and interpretation of statistical techniques are correct.

## MEETS SPECIFICATION

## SPECIFICATION

All conclusions are correctly justified with data.

## MEETS SPECIFICATION

**Reviewer Comments**

**Please do read and address this:**

You correctly revised section 1.4 please extend that tho the conclusions in section 4: The statistical test is the major reason for drawing conclusions over rain.

I did not mark this as not meeting requirements because you had the proper answer in 1.4 but I will have to if this section is not updated.

#### SPECIFICATION

No incorrect conclusions are drawn from the data.

MEETS SPECIFICATION

#### SPECIFICATION

Some shortcomings of the dataset and statistical tests or regression techniques used are appropriately acknowledged.

MEETS SPECIFICATION



Learn the [best practices for revising and resubmitting your project](#).



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