**Hindi Vidya Prachar Samiti’s**

**RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE, AND COMMERCE**

**(EMPOWERED AUTONOMOUS)**

**Mathematics for Data Science**

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**Name: Surajkumar Yadav**

**Roll no: 10302**

**Class: MSc. Data Science and Artificial Intelligence Part I**



**Ramniranjan Jhunjhunwala College**

**of Arts, Science and Commerce**

**Department of Data Science and Artificial Intelligence**

**CERTIFICATE**

**This is to certify Surajkumar Yadav of MSc. Data Science and Artificial Intelligence Roll No. 10302 has successfully completed the practical of Mathematics for Data Science during the Academic Year 2024-2025.**

**Date:**

**(Prof. Rahul Yadav) External Examiner Prof-In-Charge**

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**Practical 1 : Perform Data Collection, Cleaning, Modelling and Compilation**

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**Practical 2 : Implementation of the Exploratory Data Visualization Technique**

**A purple line on a white surface

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**A screenshot of a computer

Description automatically generated**A bar graph with different colored bars

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A graph with a bar chart

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A pie chart with different colored circles

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**A close-up of a computer screen

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**A close-up of a computer screen

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**Practical 3 : Implement Statistical Distribution**

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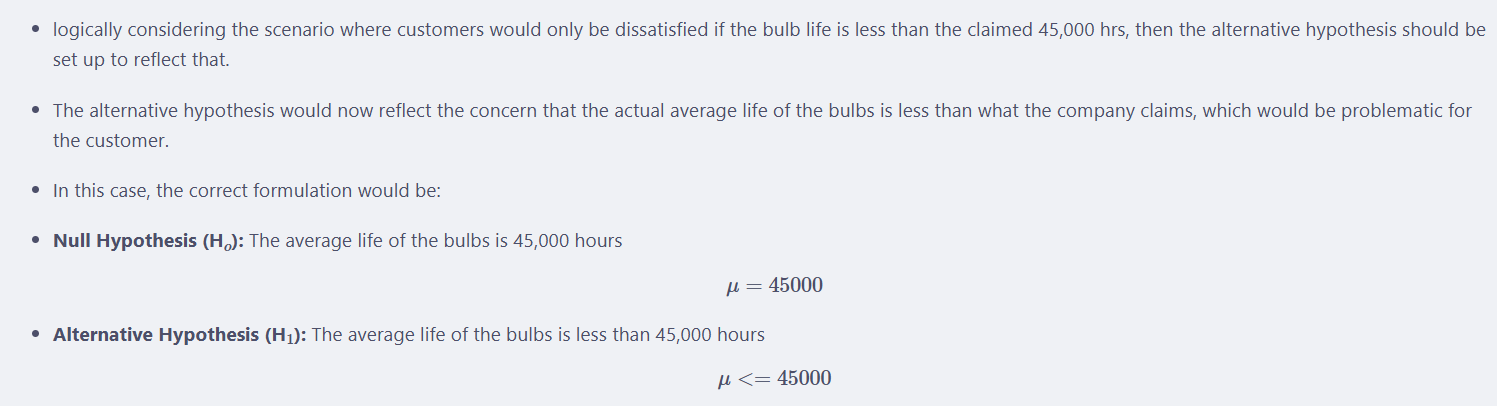
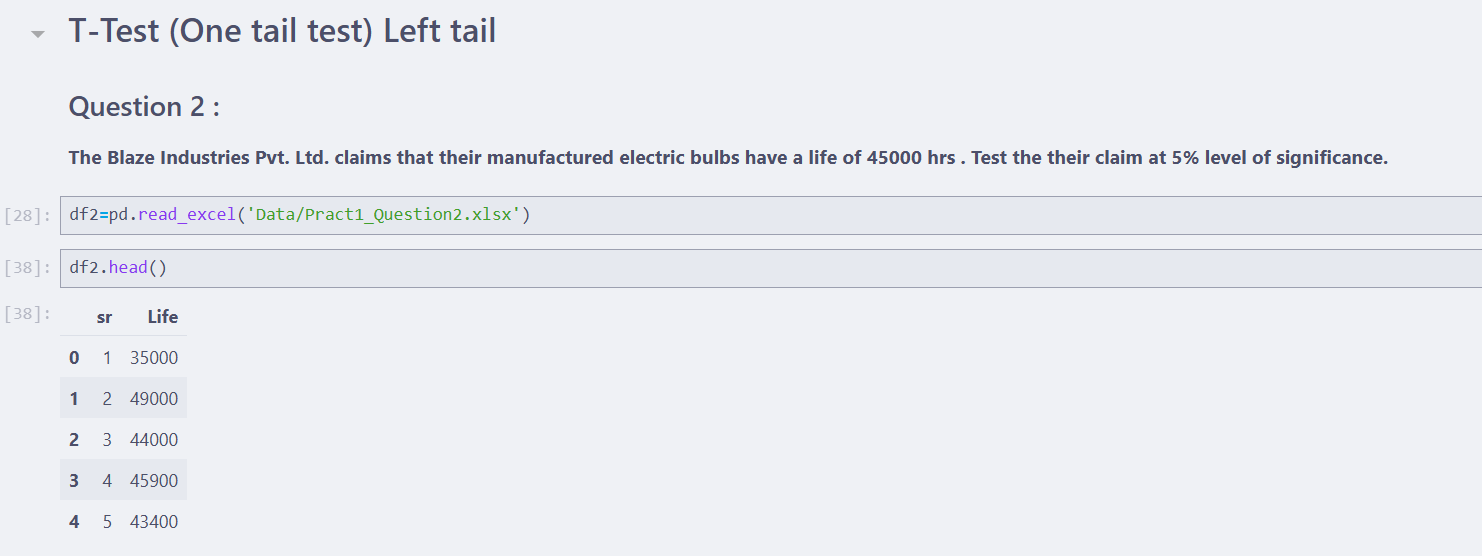
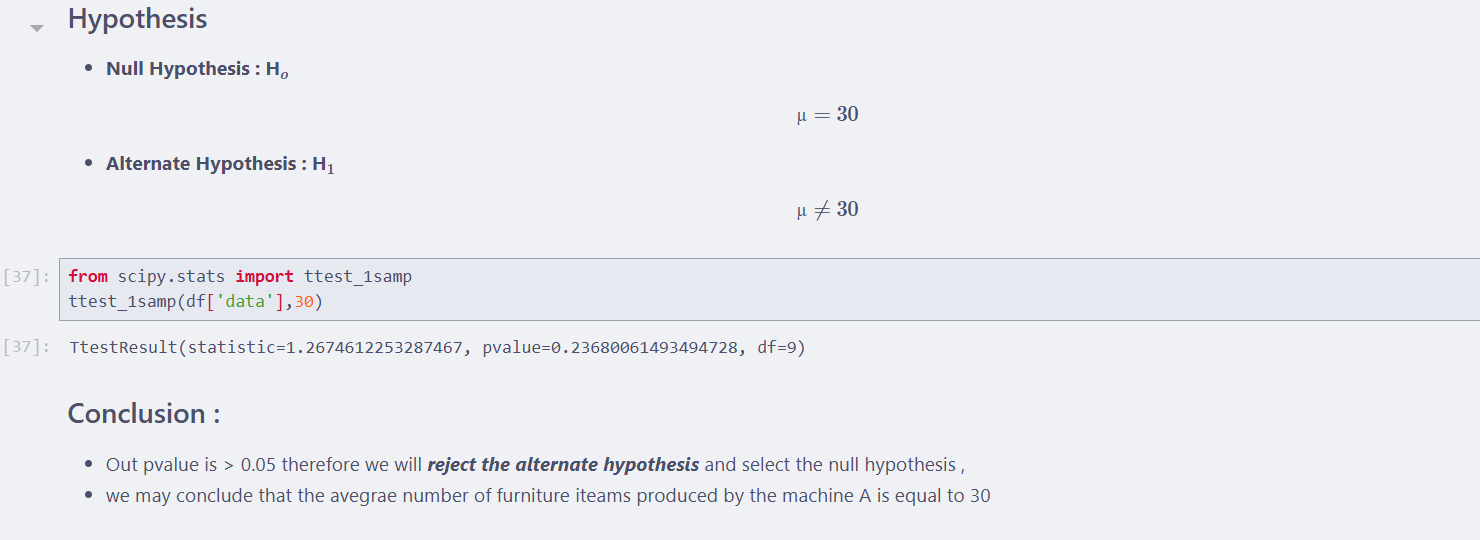
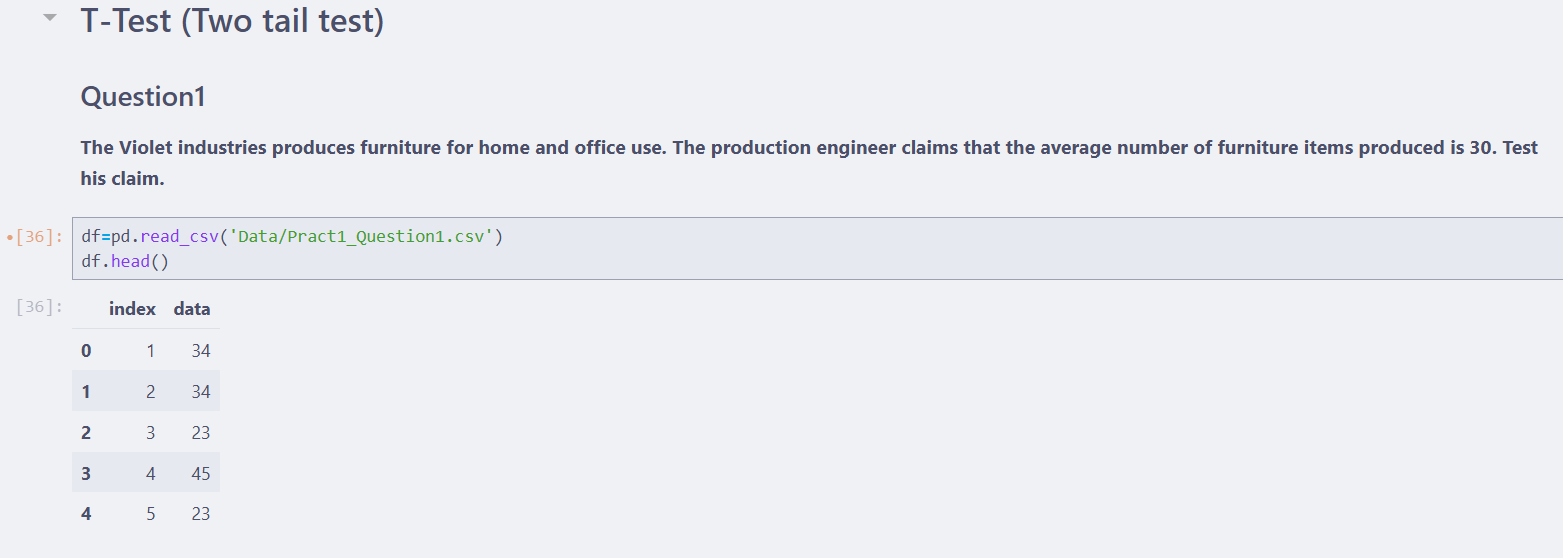
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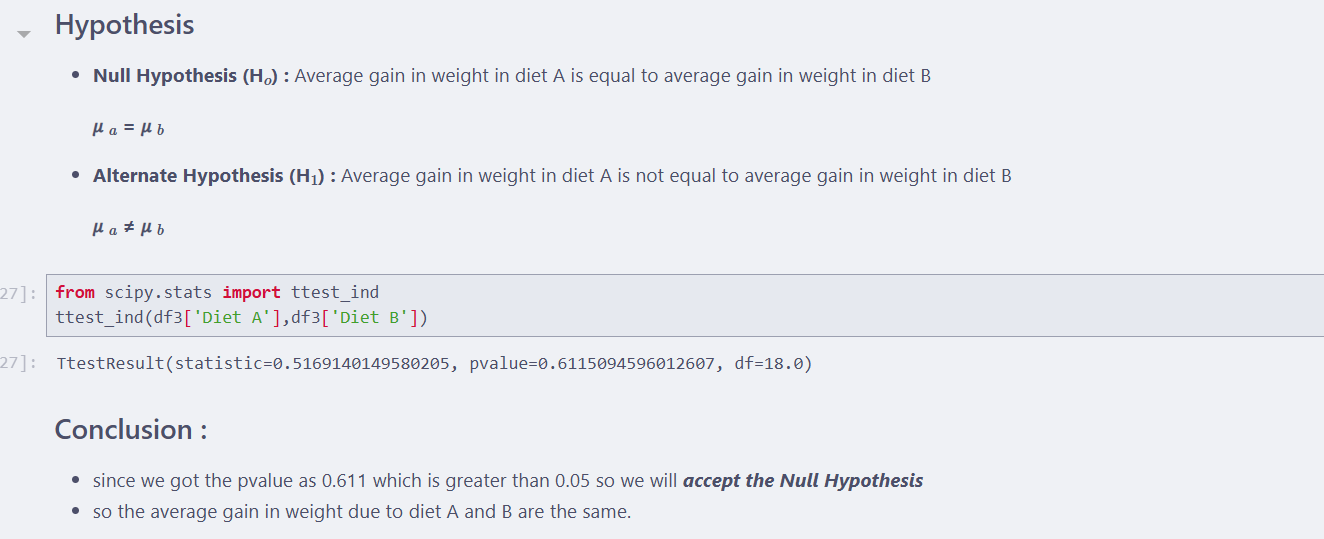
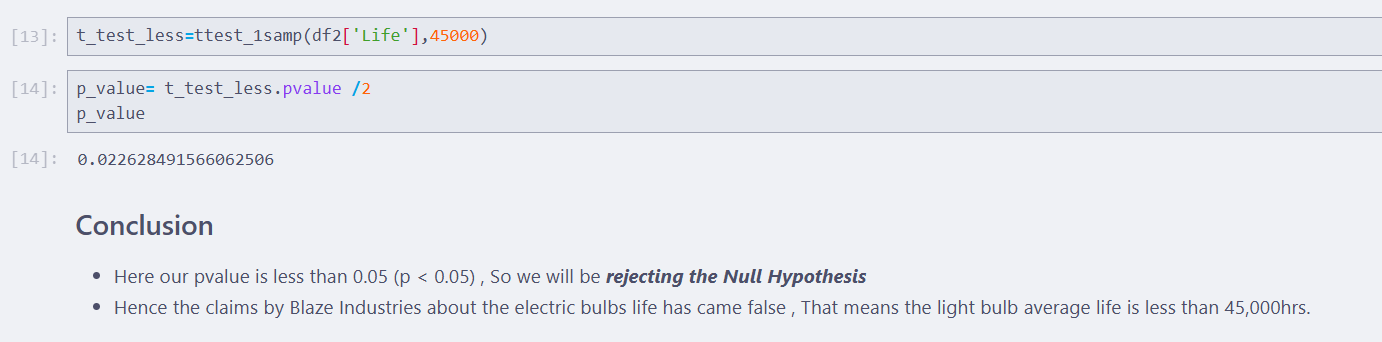
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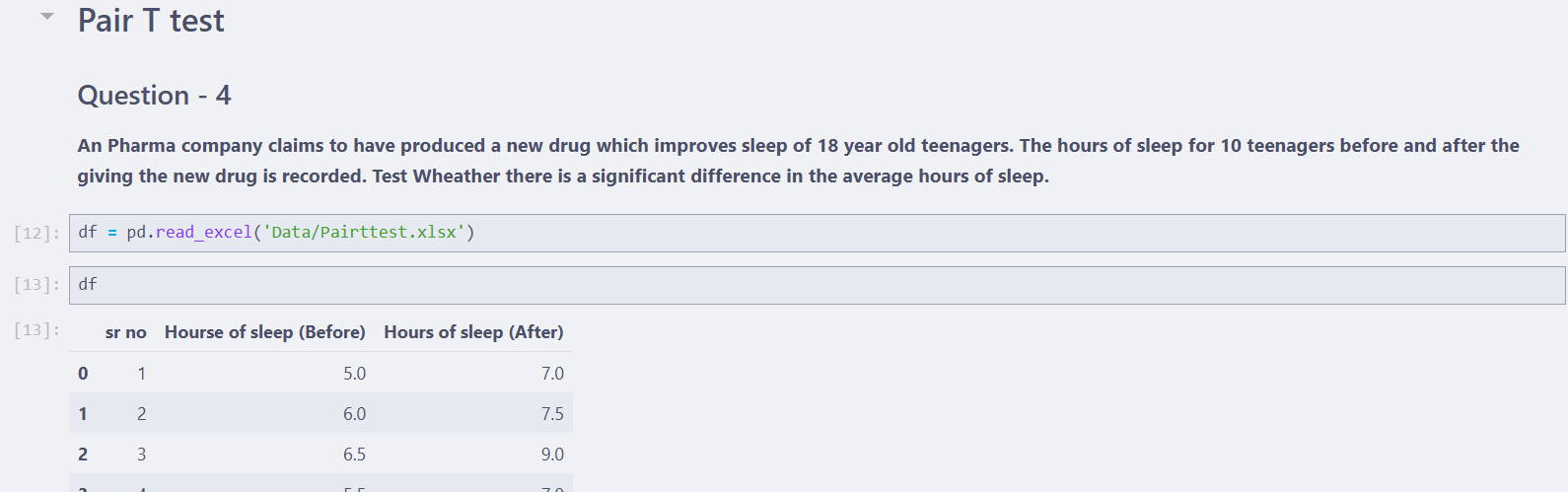
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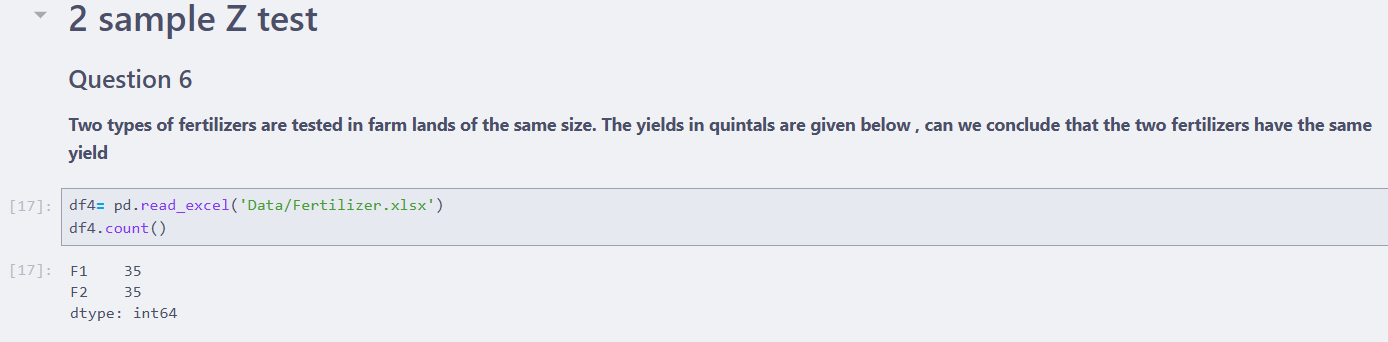
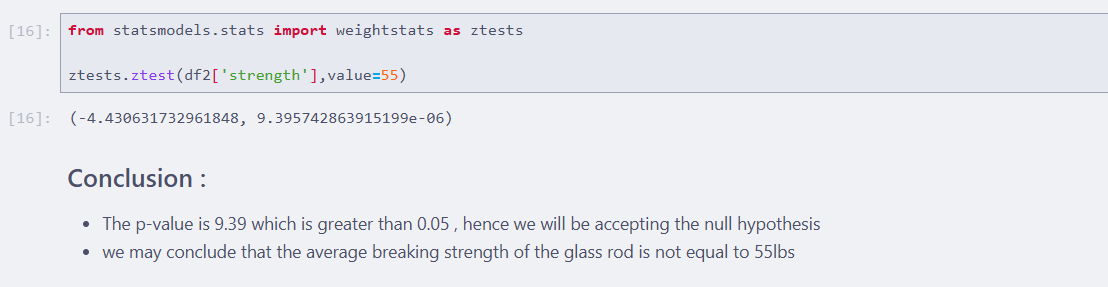
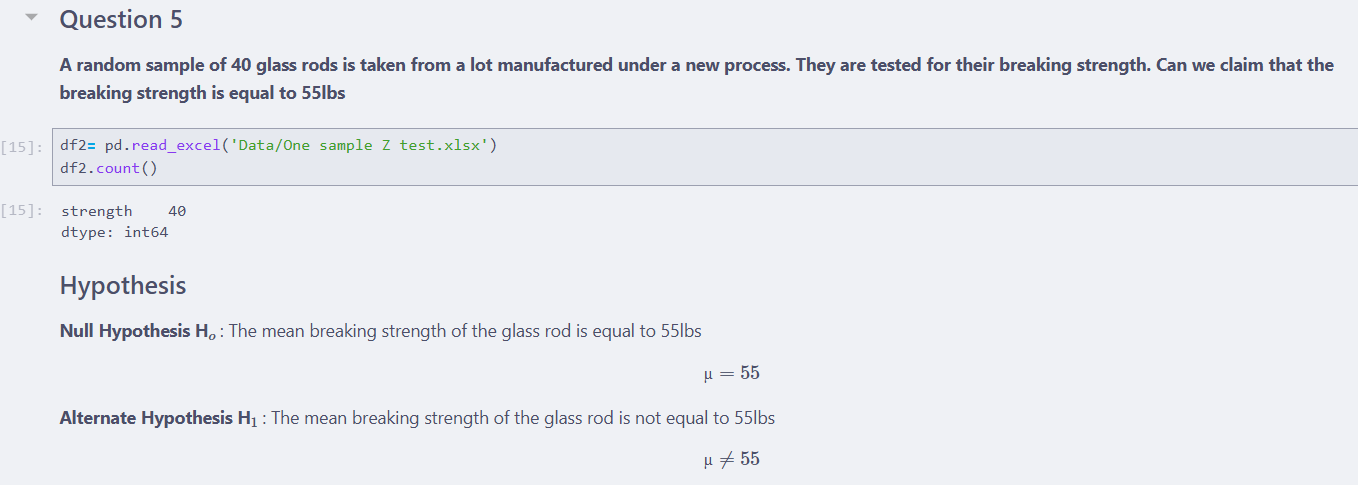
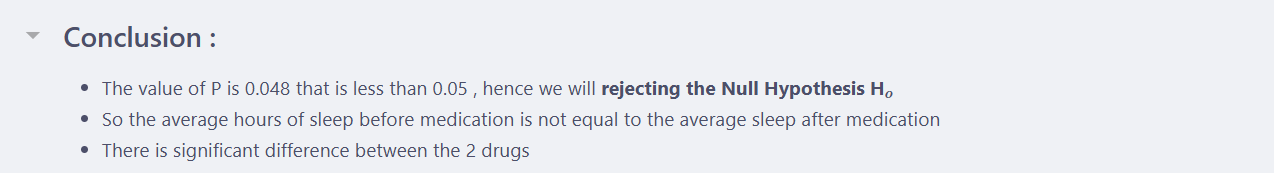
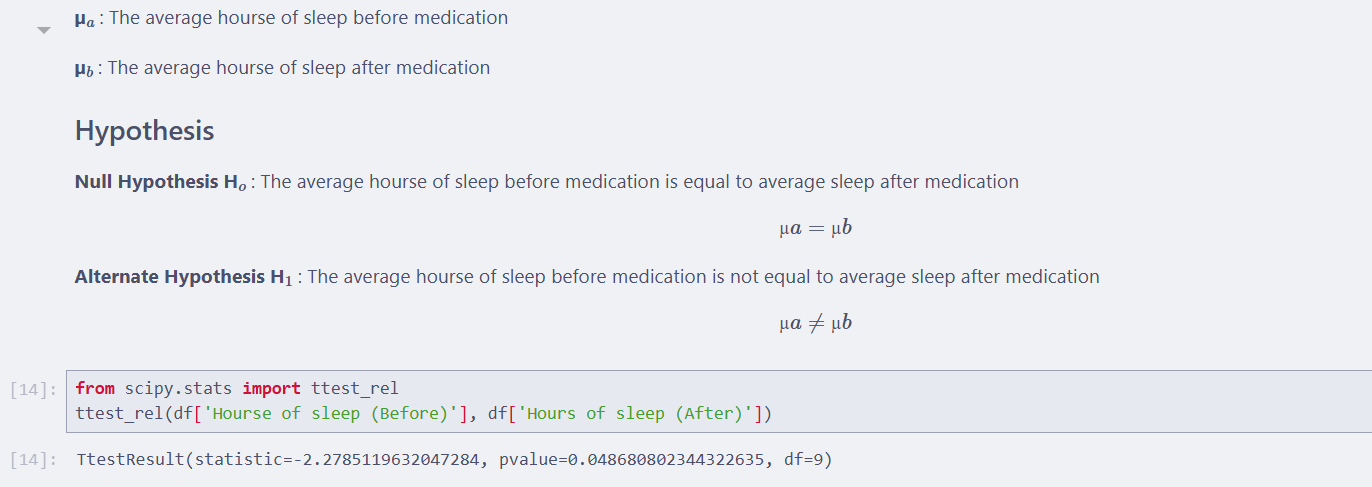
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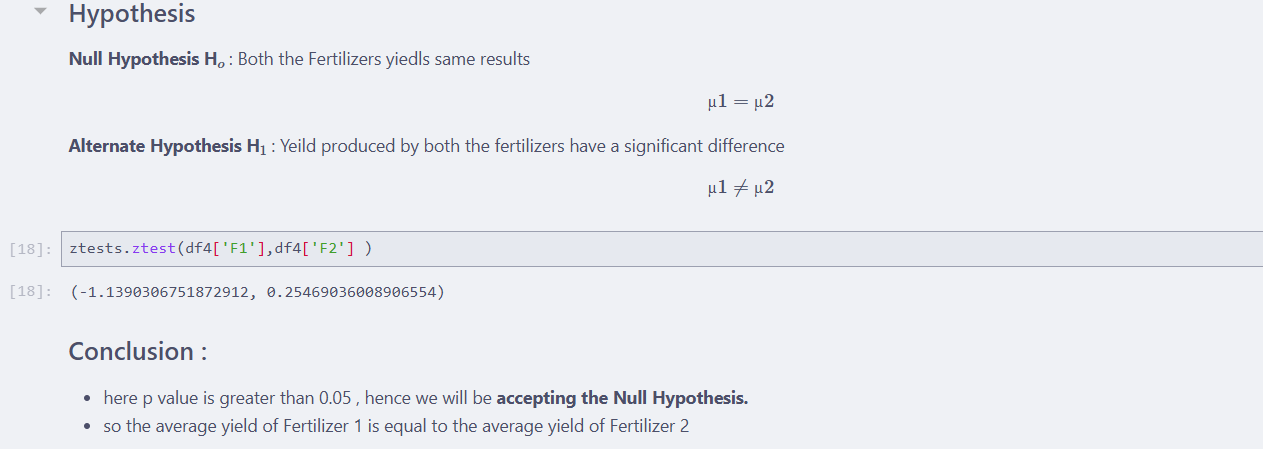
**Practical 4 : Implementation Hypothesis Testing**

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**Practical 5 : Perform for Exploring Categorical and Binary Data**

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**Practical 6 : Perform One and Two way Anova on the given dataset**

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**Practical 7 :** **Implementation of Regression Analysis**

**A white wall with a few lines

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**A white background with colorful text

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A chart with yellow dots

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**Practical 8 : Perform Time Series Analysis**

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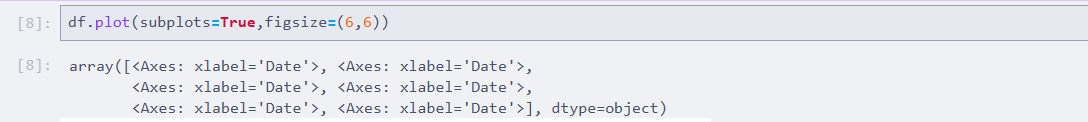
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A graph with numbers and lines

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****A graph with numbers and lines

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****A line graph of different colored lines

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**A screen shot of a computer

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A graph of blue lines

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