

5/27/22, 3:58 PM

Assignment - I

In [ ]:

Hypothesis Assignment

Q 1.

A F&B manager wants to determine whether there is any significant difference between two units. A randomly selected sample of cutlets was taken from each unit. Analyze the data and draw inferences at 5% significance level. The test is to be carried out to check validity of the assumptions.

In [5]:

```
# import the libraries
%matplotlib inline
import numpy as np
import scipy as sp
import pandas as pd
import statsmodels.api as sm
import statsmodels.formula.api as smf
import matplotlib as mpl
import matplotlib.pyplot as plt
import seaborn as sns
from statsmodels.stats.proportion import proportion
```

In [7]:

```
Q1_data = pd.read_csv("C:/Users/Hp/Downloads/Cutlets.csv")
Q1_data.head()
```

Out[7]:

	Unit A	Unit B
0	6.8090	6.7703
1	6.4376	7.5093
2	6.9157	6.7300
3	7.3012	6.7878
4	7.4488	7.1522