

In [1]: `import pandas as pd`

Set 1

- Q.1)Look at the data given below. Plot the data, find the outliers and find out μ, σ, σ^2

In [2]: `sk = pd.read_excel(r"C:\Users\Saqlain\Desktop\set_1.xlsx")`

In [3]: `sk.head()`

Out[3]:

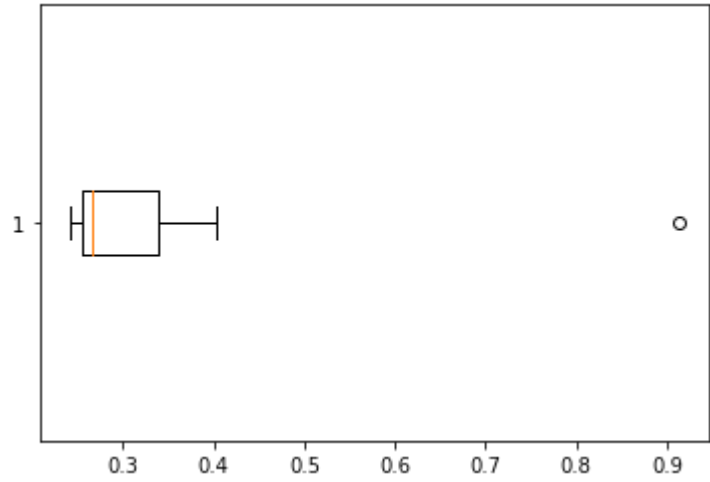
	Name of company	Measure X
0	Allied Signal	0.2423
1	Bankers Trust	0.2553
2	General Mills	0.2541
3	ITT Industries	0.2414
4	J.P.Morgan & co.	0.2962

In [4]: `import matplotlib.pyplot as idk`
`import seaborn as mkc`

C:\Users\Saqlain\anaconda3\lib\site-packages\scipy__init__.py:138: UserWarning: A NumPy version >=1.16.5 and <1.23.0 is required for this version of SciPy (detected version 1.23.1)
warnings.warn(f"A NumPy version >={np_minversion} and <{np_maxversion} is required for this version of "

In [5]: `idk.boxplot(sk['Measure X'],vert = False)`

Out[5]: {'whiskers': [



In [7]: `sk.mean()`

Out[7]: Measure X 0.332713
dtype: float64

In [9]: `import numpy as bkc`

In [10]: `bkc.std(sk)`

Out[10]: Measure X 0.163708
dtype: float64

In [11]: `bkc.var(sk)`

Out[11]: Measure X 0.0268
dtype: float64

In []: