The data two machines are given. Perform hypothesis testing and graphical presentation of the data as mentioned below:

1. Read the data Two Machines.csv
2. Display box plot to compare the data
3. Perform z-test and find out which machine is performing best
4. Compare two machines based on t-test and write the observation.

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1. Read Machine1.csv data
2. Average volume of bottles is 150 cc. Find out if average volume is changed or not

Check if volume is increased

Check if volume is decreased

If volume has not changed

Read the data tips.csv and fund out:

1. Based on given data which time tip will be more (dinner/ Lunch). Use suitable graph and test.
2. Find out if total bill and size is affecting tip prize or not (hint: use ols model)
3. Find out if offering of tip is gender biased or not
4. Perform chi-square test to check if smoking is affecting by day of the week

Read mpg.csv data

1. Display the strip plot to work on cylinders per country.
2. Write down the observation of average cylinders per country.