



Statistics 1

Assignment 1 Question

# *Statistics 1: Assignment 1*

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## 1.Introduction

This assignment will help you to consolidate the concepts learnt in the session.

## 2.Problem Statement

### Problem Statement 1:

You survey households in your area to find the average rent they are paying. Find the standard deviation from the following data:

**\$1550, \$1700, \$900, \$850, \$1000, \$950.**

### Problem Statement 2:

Find the variance for the following set of data representing trees in California (heights in feet):

**3, 21, 98, 203, 17, 9**

### Problem Statement 3:

In a class on 100 students, 80 students passed in all subjects, 10 failed in one subject, 7 failed in two subjects and 3 failed in three subjects. Find the probability distribution of the variable for number of subjects a student from the given class has failed in.

**Note: Solution submitted via github must contain all the detailed steps.**

## 3.Output

This assignment consists of 200 marks and has to be submitted in .ipynb format in the upcoming session for evaluation.