**Statistics Assignment 1**

**Submitted by**

**Tresa Varghese**

**Problem Statement 1:**

**The marks awarded for an assignment set for a Year 8 class of 20 students were as**

**follows:**

6 7 5 7 7 8 7 6 9 7 4 10 6 8 8 9 5 6 4 8



**Answer:**

Mean = 6.85

Median = 7

Mode = 7

**Problem Statement 2:**

**The number of calls from motorists per day for roadside service was recorded for a**

**particular month:**

28, 122, 217, 130, 120, 86, 80, 90, 140, 120, 70, 40, 145, 113, 90, 68, 174, 194, 170,100, 75, 104, 97, 75, 123, 100, 75, 104, 97, 75, 123, 100, 89, 120, 109



**Answer:**

Mean = 107.51

Median = 100

Mode = 75

**Problem Statement 3:**

The number of times I go to the gym in weekdays, are given below along with its

associated probability:

x = 0, 1, 2, 3, 4, 5

f(x) = 0.09, 0.15, 0.40, 0.25, 0.10, 0.01

Calculate the mean no. of workouts in a week. Also evaluate the variance involved in

it.