Name: Sajib Biswas

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**Big Data and Data Analytics-2**
**Project 2**

## Section: A

### 2. What conclusions are you derived from the single variable analysis?

**Ans**. Following are some of the points which I have concluded from Single variable analysis:

→ The loan of 422(around 69%) people out of 614 was approved.  o There are male (81%) and female (19%) have applied for loan.

→ 65 % of married people and 35 % of unmarried people have applied for loan.

→ Among 582 people only 14% are self-employed and rest of the 86% are not self-employed.

→ Around 84% applicants have repaid their debts.

→ Around 58% people have 0 dependent, around 17% people have 1 dependent, around 17% people have 2 dependents, around 8% people have 3+ dependents.

→ 78 % people are graduated and 22% are not graduated.

→ Around 38%, 33% and 29% are from semi-urban, urban and rural area respectively.

### 4. What conclusions are you derived from the multi variable analysis?

**Ans**. Following are some of the points which I have concluded from Single variable analysis:

→ Proportion of male applicants is higher for the approved loans.

→ Proportion of married applicants is higher for the approved loans.

→ Proportion of graduate applicants is higher for the approved loans.

→ People with credit history as 1 are more likely to get their loans approved.
→ Proportion of loans getting approved in semi-urban area is higher as compared to that in rural and urban areas.
→ Proportion of loans getting approved for applicants having low total income is very less as compared to that of applicants with average, high and very high income.
→ Proportion of approved loans is higher for low and average loan amount as compared to that of high loan amount.