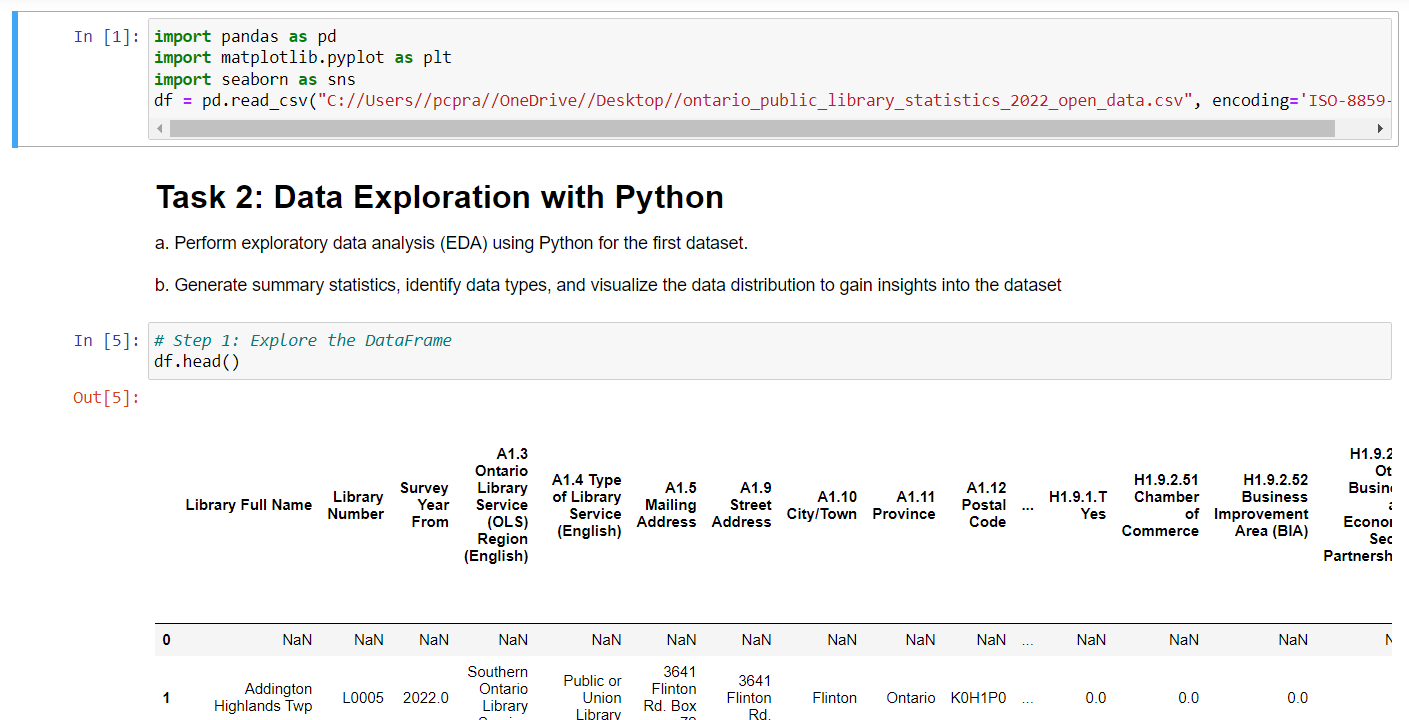
**Answers:-**

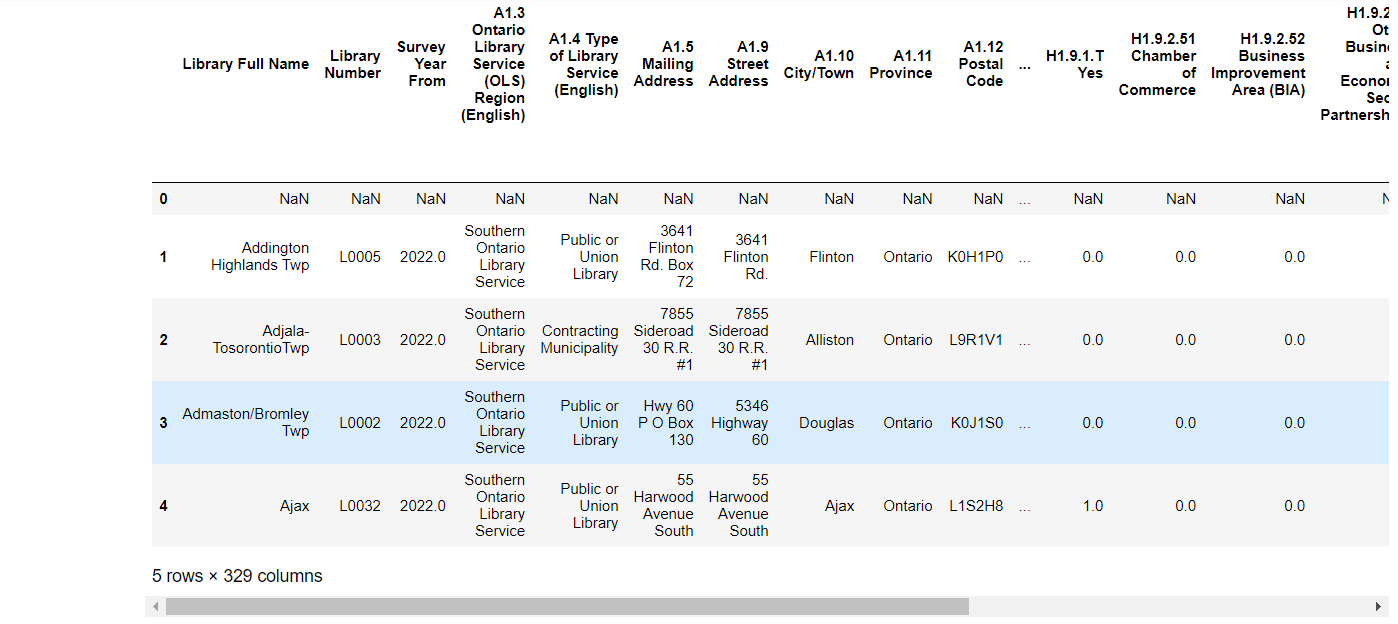
**1. a) The datasets I have chosen are:-**

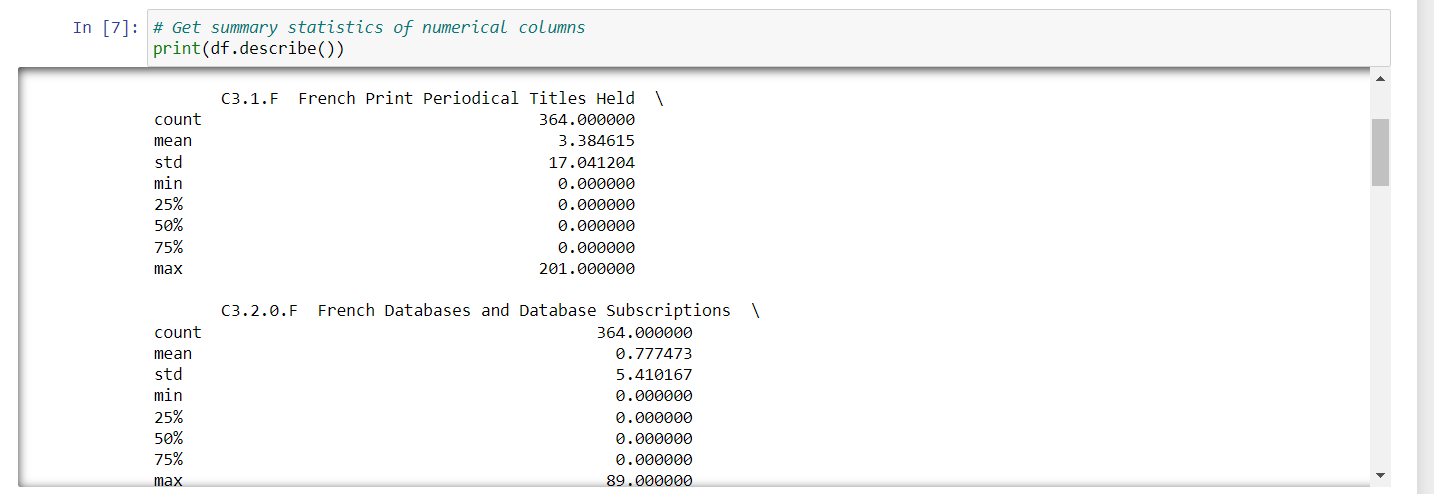
1. https://data.ontario.ca/dataset/363fff31-6a07-41eb-9922-e9b64192b08b/resource/83295b7d-688a-4996-9f0c-b8bea49c0360/download/ontario\_public\_library\_statistics\_2022\_open\_data.csv
2. Google Trends

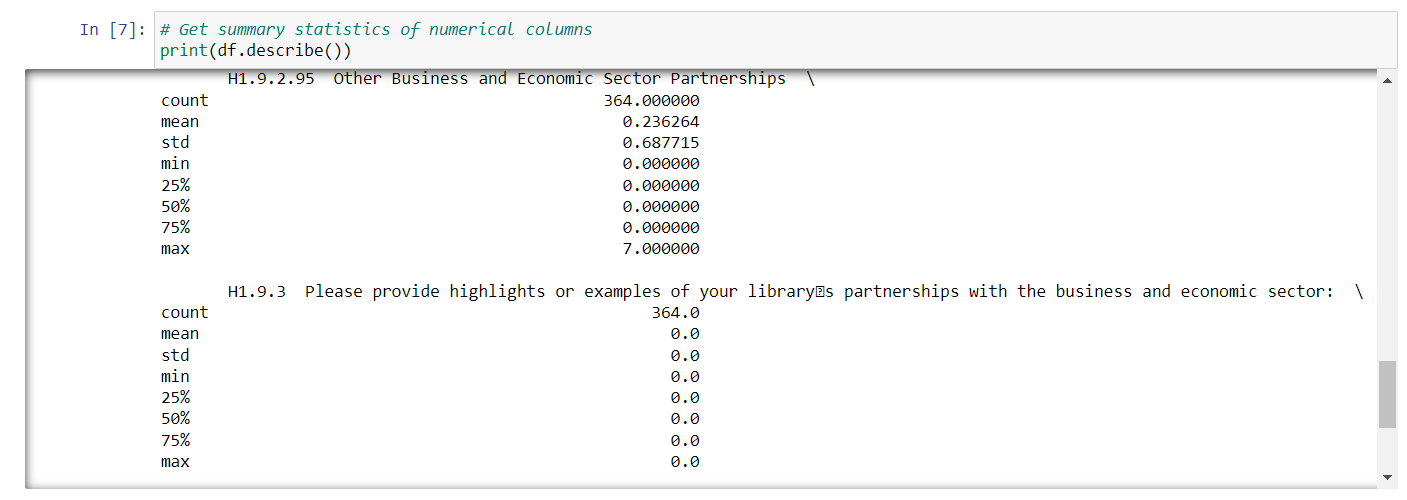
**b)** The datasets I have used are provided by Ontario library dataset and Google Trends. The relation between these two are to understand the trend of book in the past years.

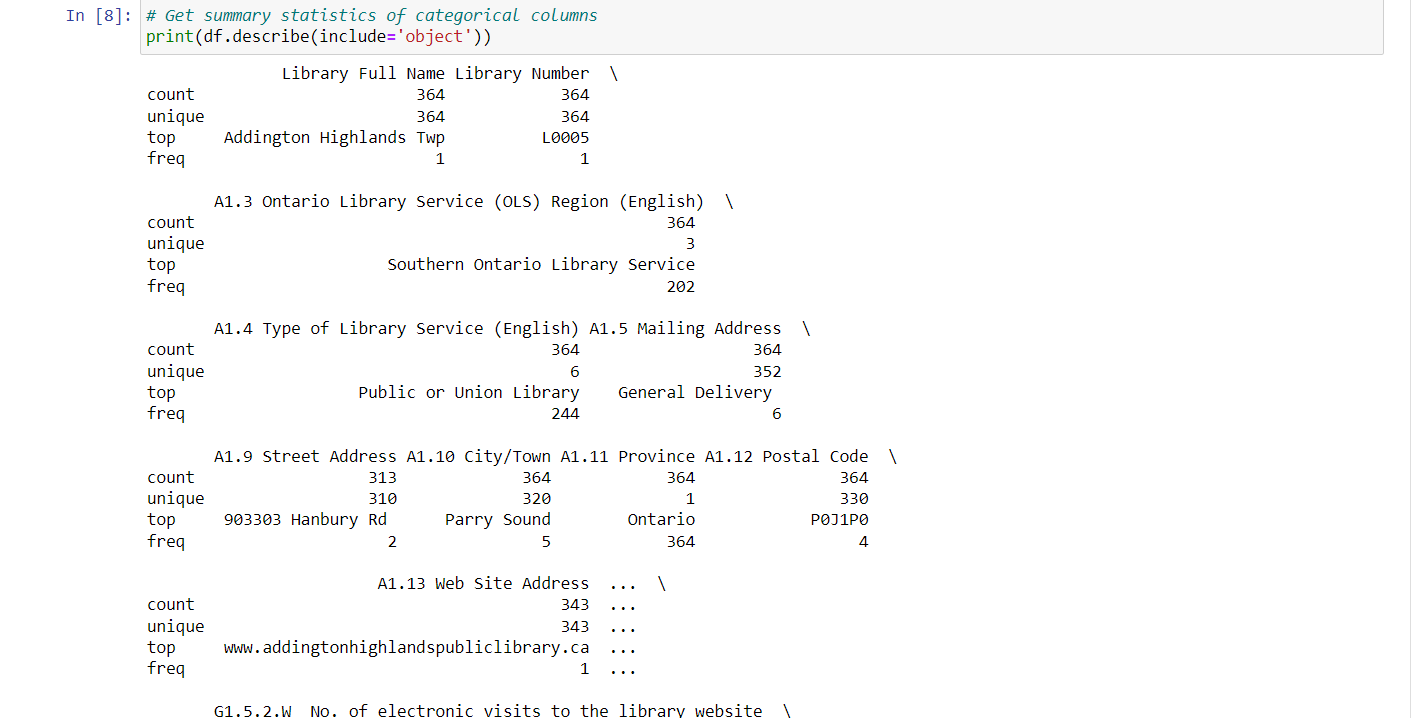
**2. Task 2: Data Exploration with Python:-**

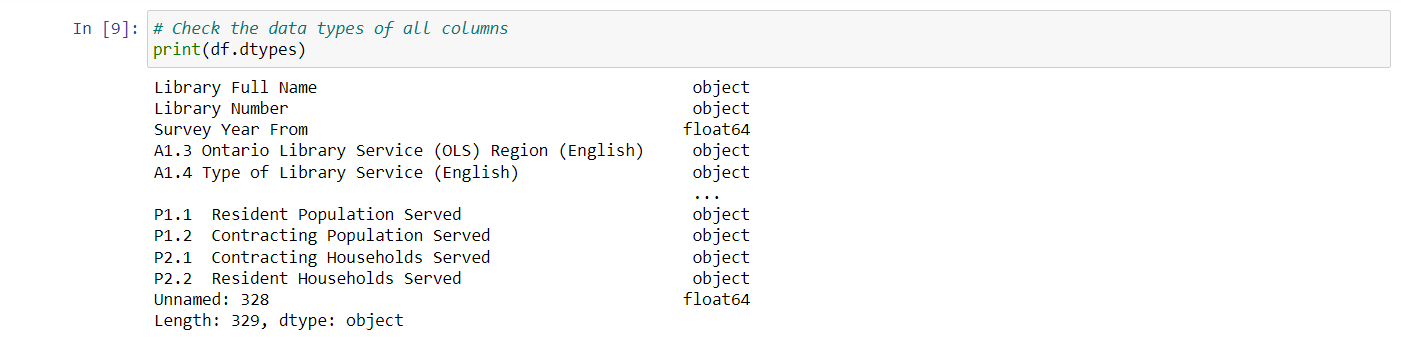
****

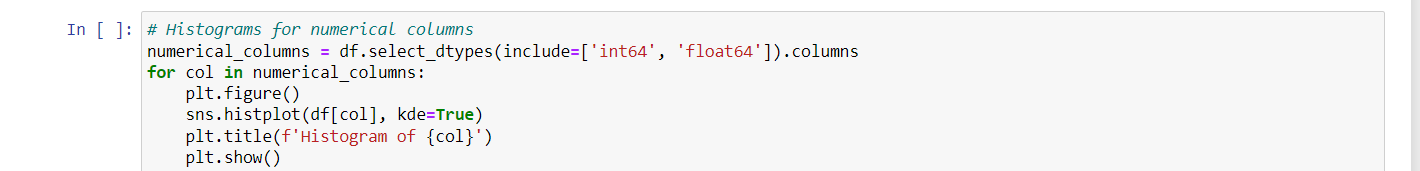
****

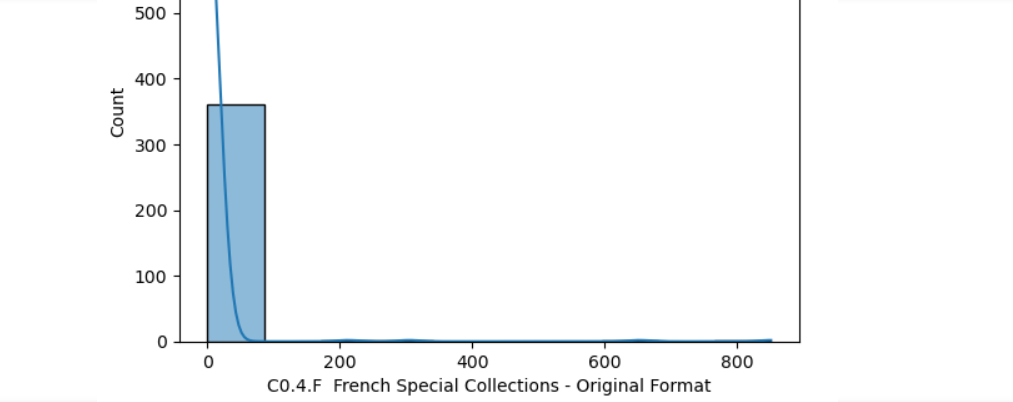
****

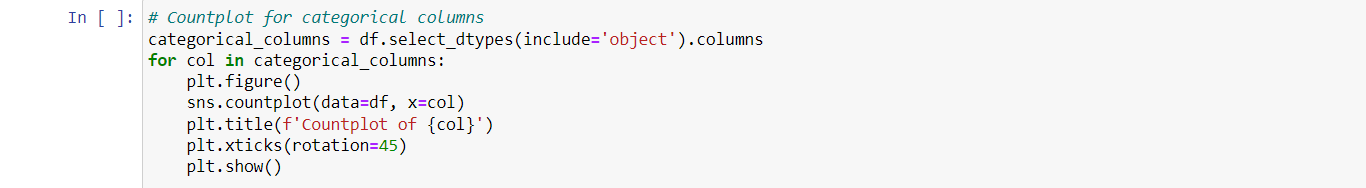
****

****

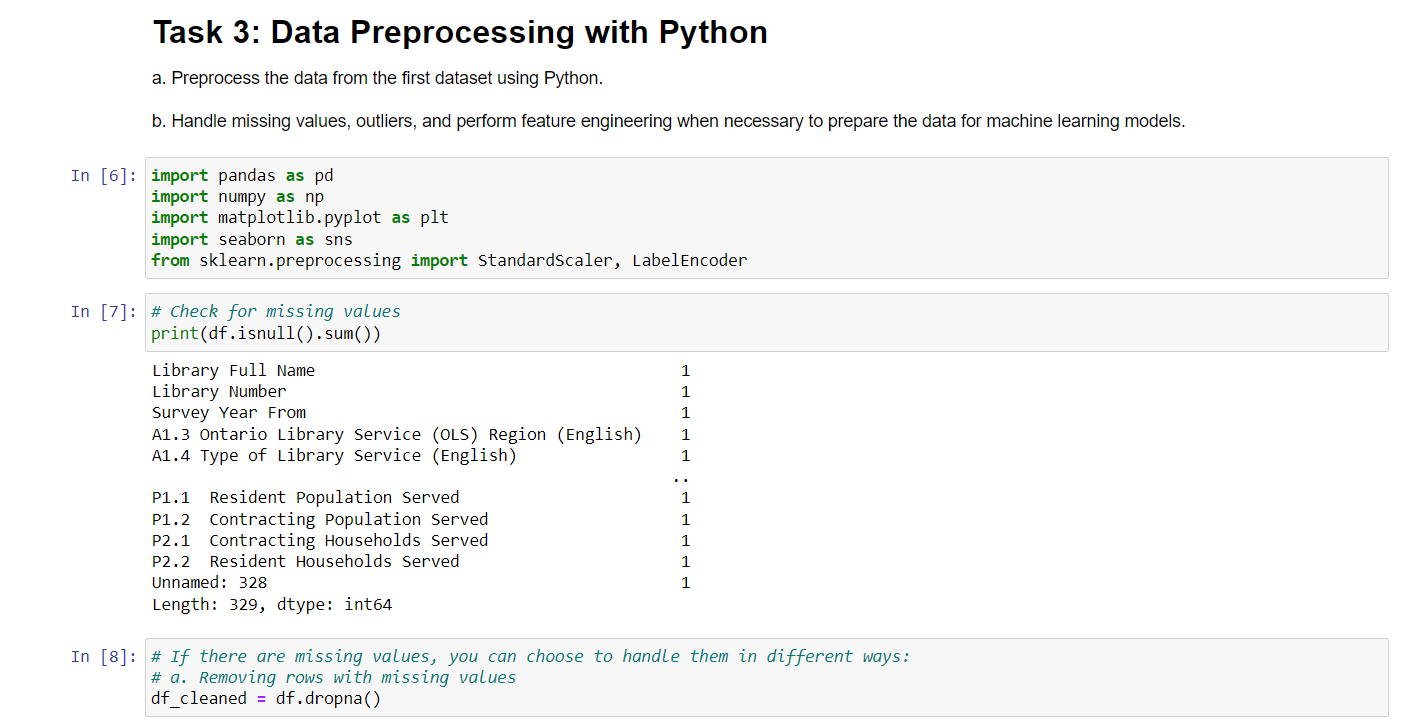
****

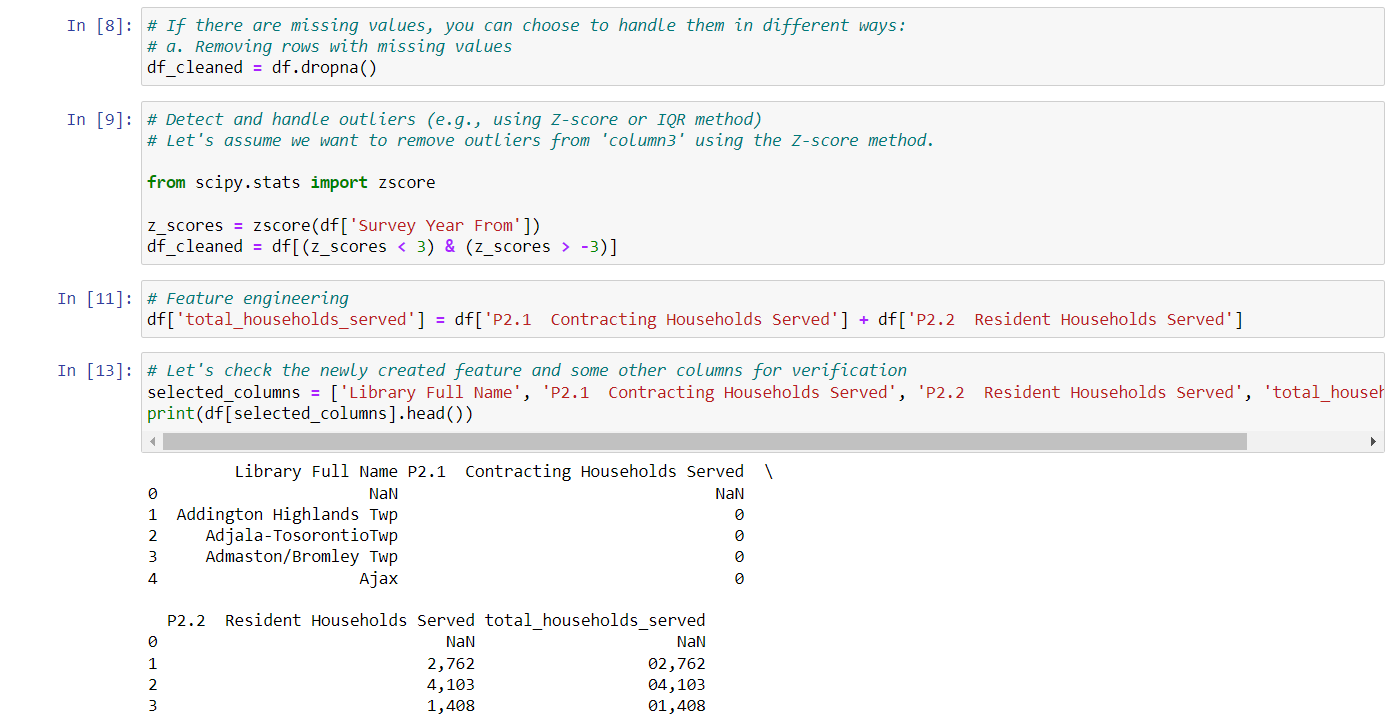
****

****

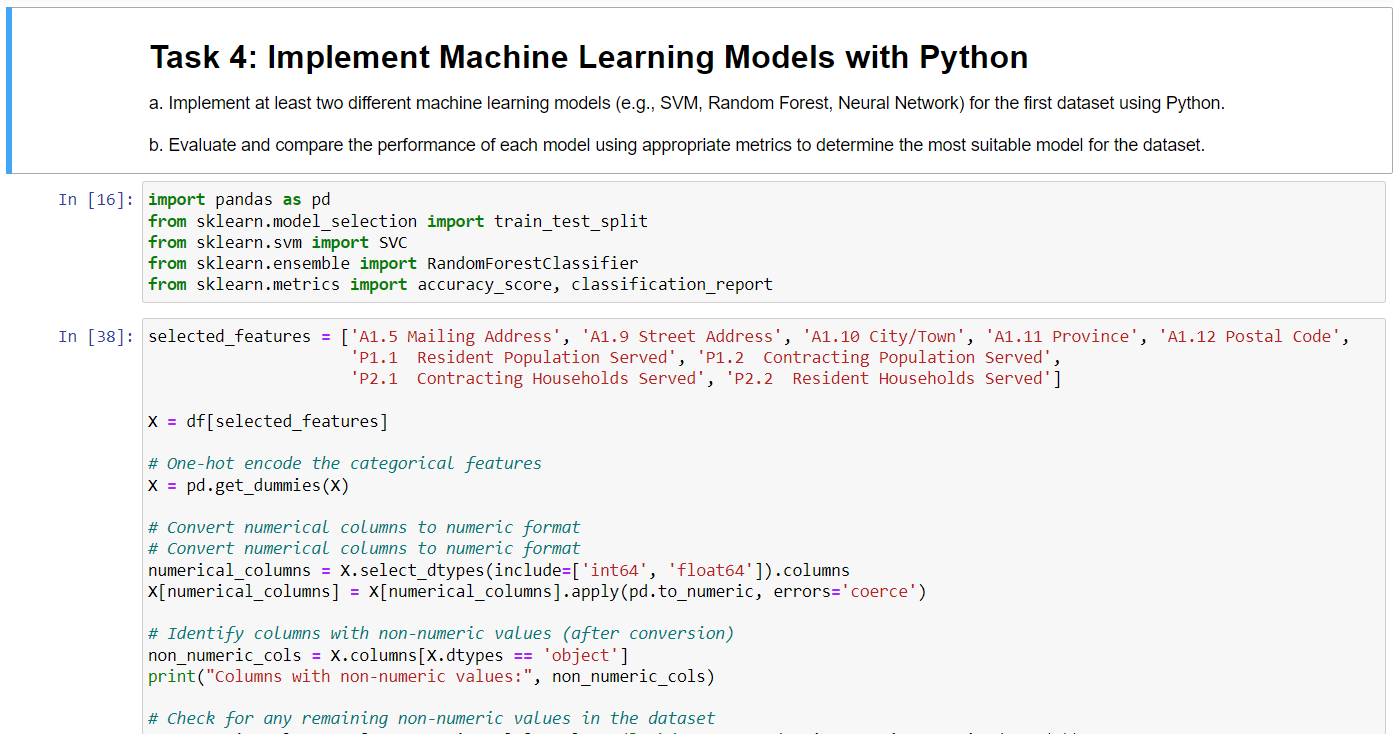
****

**3. Task 3: Data Preprocessing with Python:-**

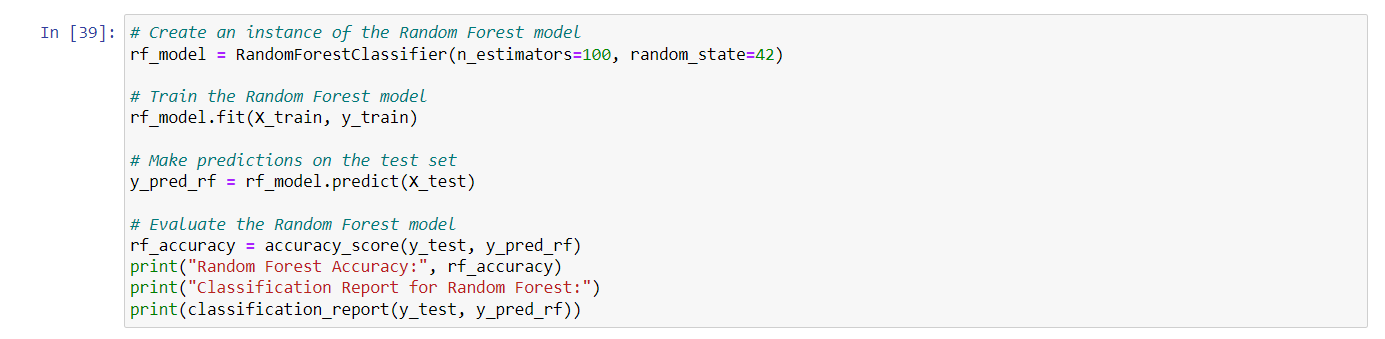
****

****

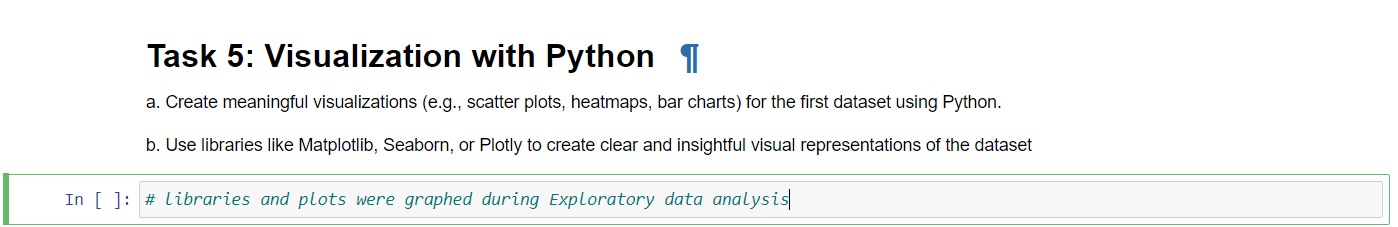
**4. Task 4: Implement Machine Learning Models with Python:-**

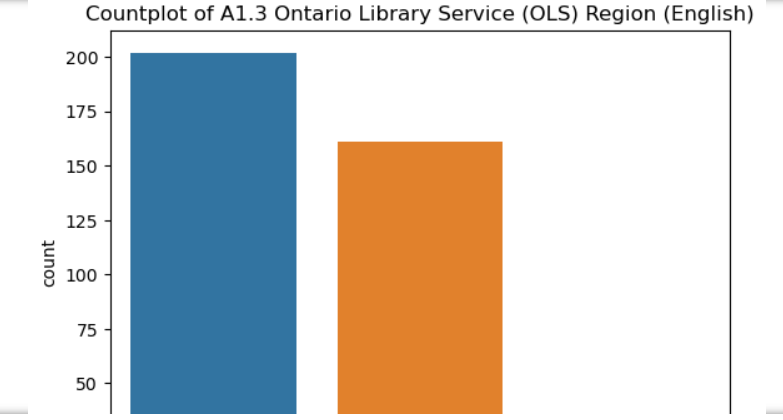
****

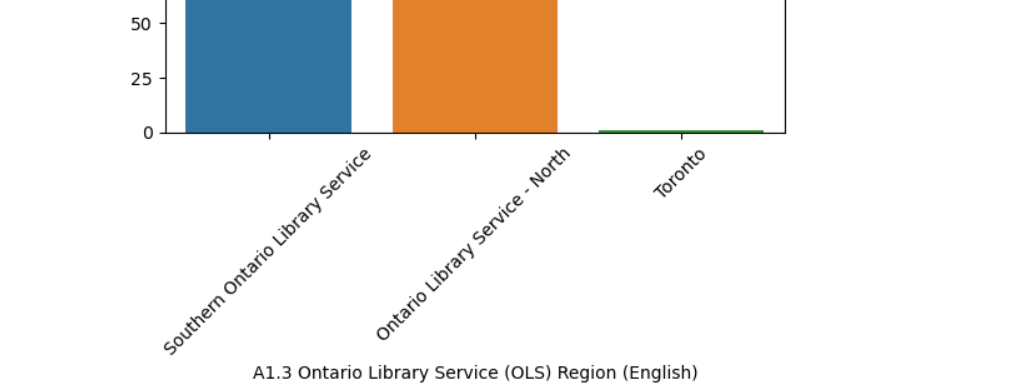
****

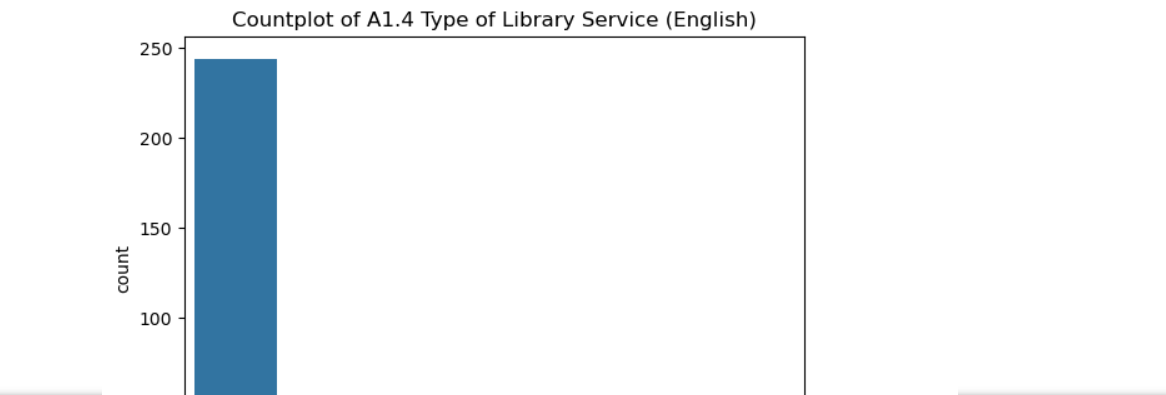
****

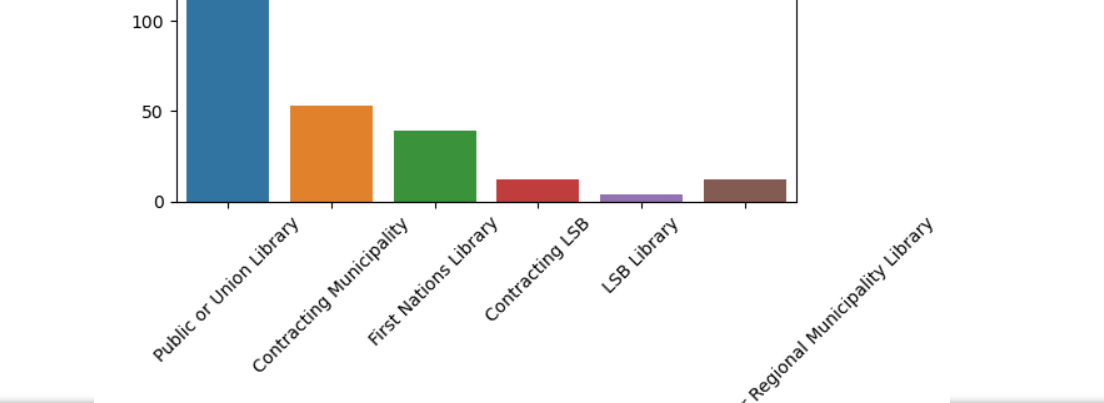
**5. Task 5: Visualization with Python:-**

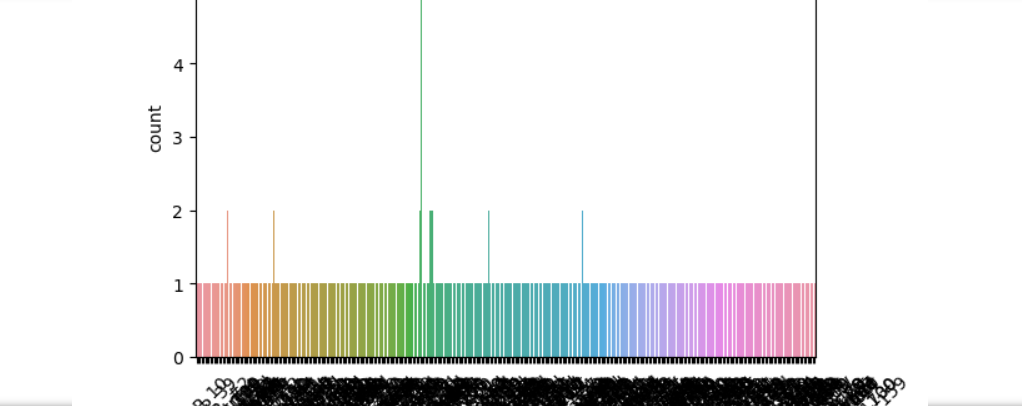
****

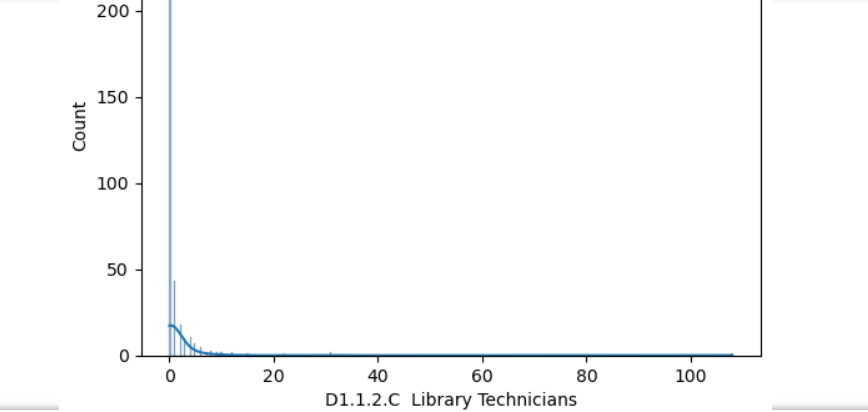
****

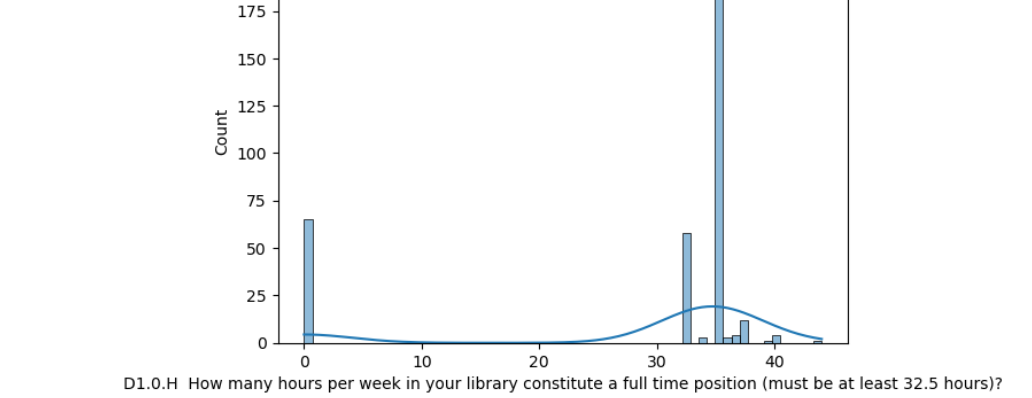
****

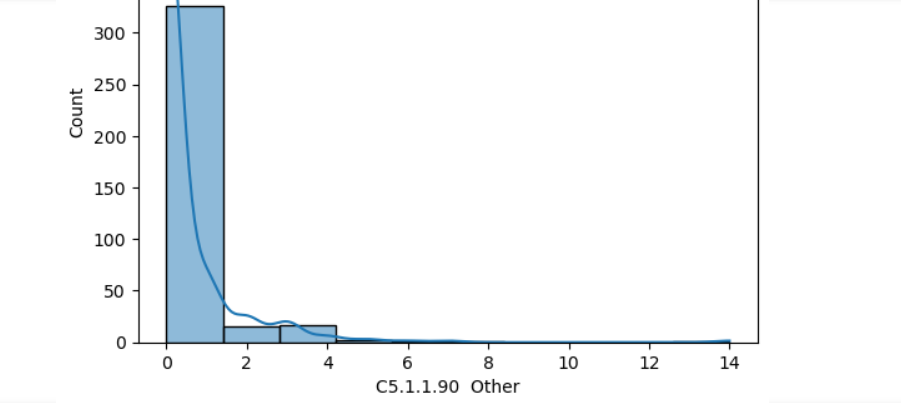
****

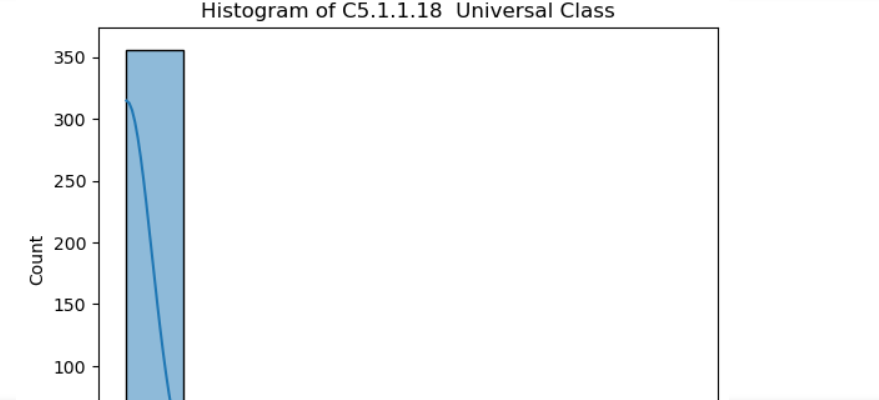
****

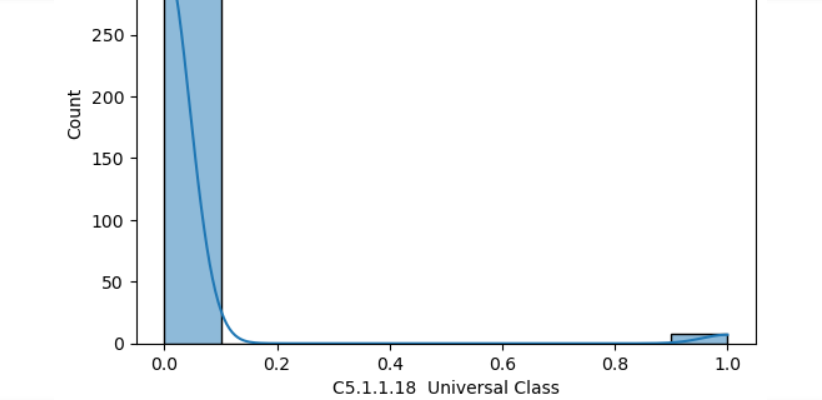
****

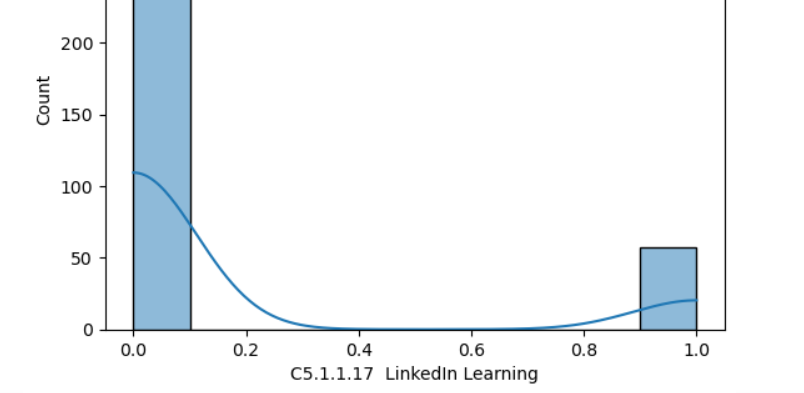
****

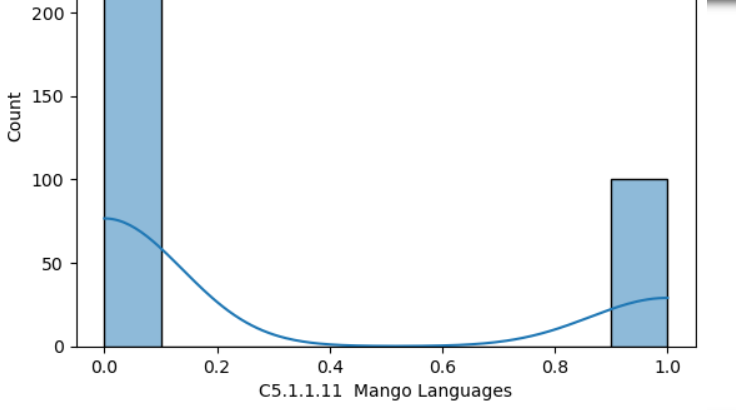
****

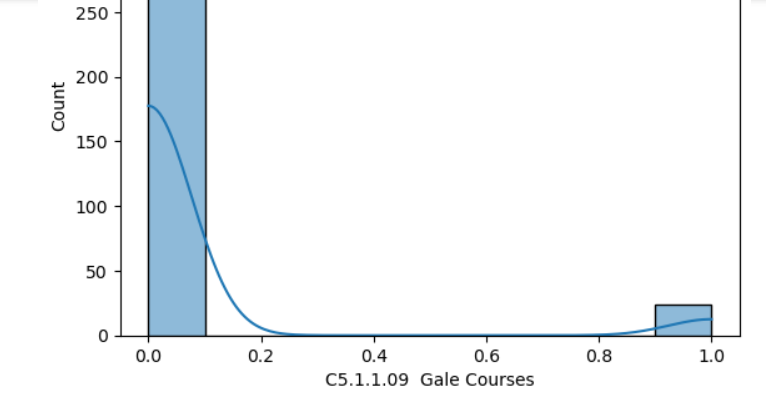
****

****

****

****

****

****