Visualizing And Analyzing The Data

Bivariate Analysis

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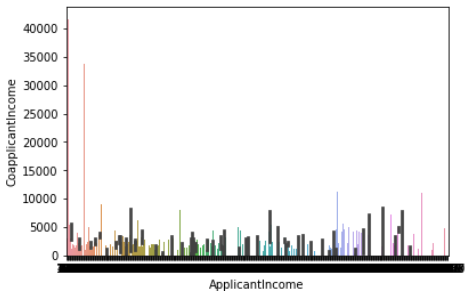
Project Name	**Smart Lender- Applicant CredibilityPrediction for Loan Approval**

Count plot:-

A count plot can be thought of as a histogram across a categorical, instead of a quantitative, variable. The basic API and options are identical to those for barplot() , so you can compare counts across nested variables.

```
In [4]: sns.barplot(data['ApplicantIncome'], data['CoapplicantIncome'])
Out[4]: <matplotlib.axes._subplots.AxesSubplot at 0x257d5474eb8>
```



From the above graph, we can infer the analysis such as

- Segmenting the gender column and married column based on bar graphs
- Segmenting the Education and Self-employed based on bar graphs,for drawing insights such as educated people are employed.
- The loan amount term is based on the property area of a person holding