# Visualizing And Analyzing The Data Bivariate Analysis

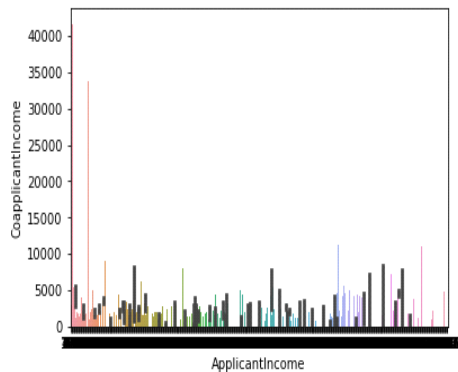| Team Id | PNT2022TMID32553 |
|---|---|
| Project Name | Smart Lender- Applicant Credibility Prediction for Loan Approval |

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