Visualizing And Analyzing The Data

Uni-Variate Analysis

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Team Id	PNT2022TMID10172
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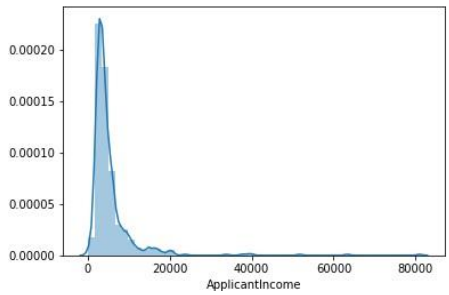
In simple words, univariate analysis is understanding the data with single feature. Here we have displayed two different graphs such as distplot and countplot.

- Seaborn package provides a wonderful function distplot. With the help of distplot, we can find the distribution of the feature. To make multiple graphs in a single plot, we use a subplot.

```
In [3]: sns.distplot(data['ApplicantIncome'])
C:\ProgramData\Anaconda3\lib\site-packages\matplotlib\axes\_axes.py:6462: UserWarning: The 'normed' kwarg is deprecated, and has been replaced by the 'density' kwarg.
  warnings.warn("The 'normed' kwarg is deprecated, and has been "
Out[3]: <matplotlib.axes._subplots.AxesSubplot at 0x257d519a828>
```



- In our dataset, we have some categorical features. With the count plot function, we are going to count the unique category in those

features. We have created a dummy data frame with categorical features. With for loop and subplot, we have plotted the below graph.

- From the plot we came to know, Applicants' income is skewed towards the left side, whereas credit history is categorical with 1.0 and 0.0