

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

Visualizing And Analyzing The Data Uni-Variate Analysis

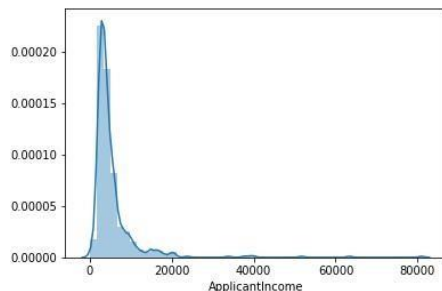
In simple words, univariate analysis is understanding the data with single feature. Here we have displayed two different graphs such as distplot and countplot.

- 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UserWarning: The 'normed' kwarg is deprecated, and has been replaced by the 'density' kwarg.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