

Weekly Progress Report (Week 3)

Aniket Bhatia

Task Completed

The task completed during the week :

- Practiced matplotlib and seaborn data visualization on a dataset
- Studied about the AI vs Data Science
- Working on the Smart City traffic pattern dataset

Challenges and Hurdles

The major challenges that are encountered during the week :

- How probability and statistics are used in data science and ml
- How to select the right model for a particular dataset
- To understand how seaborn library is used works

Lessons Learned

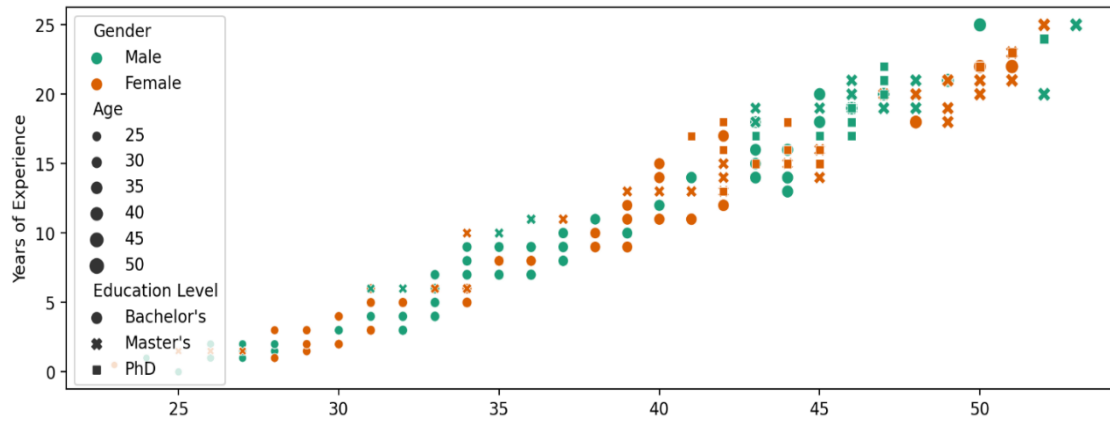
The knowledge gained during the week :

- Skills required to become a data scientist
- How to train the model in machine learning
- How date and time data is used in machine learning
- Methods of Matplotlib and Seaborn data visualization

Weekly Progress

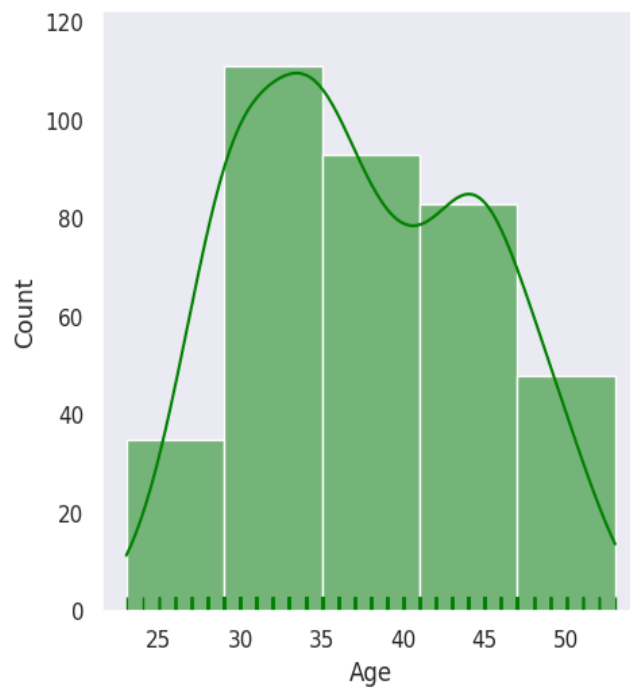
(Seaborn Data Visualization Practice)

```
plt.savefig("my_plot.jpg")
```



```
sns.displot(data=df,x='Age',bins=5,color='green',edgecolor='white',kde = True, rug = True)  
#sns.histplot
```

<seaborn.axisgrid.FacetGrid at 0x7f517e734e20>



```
sns.displot(data=sample_ages,x='age',rug=True,bins=30)
```

```
<seaborn.axisgrid.FacetGrid at 0x7f518a2bbaf0>
```

