A Comparative Analysis of Job Application

Analysed By-

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Introduction:

The project aims to analyze the personal job application data gathered over 3 months, capturing the important parameters including company name, job post, job type, location, required skills, compensation (CTC), Applied Through, Applied date, and additional comments. With a dataset comprising 278 entries, this analysis provides valuable insights into individual job search trends and strategies.

Note: *This data is exclusively collected from my personal job applications. Any external usage should include a proper citation.*
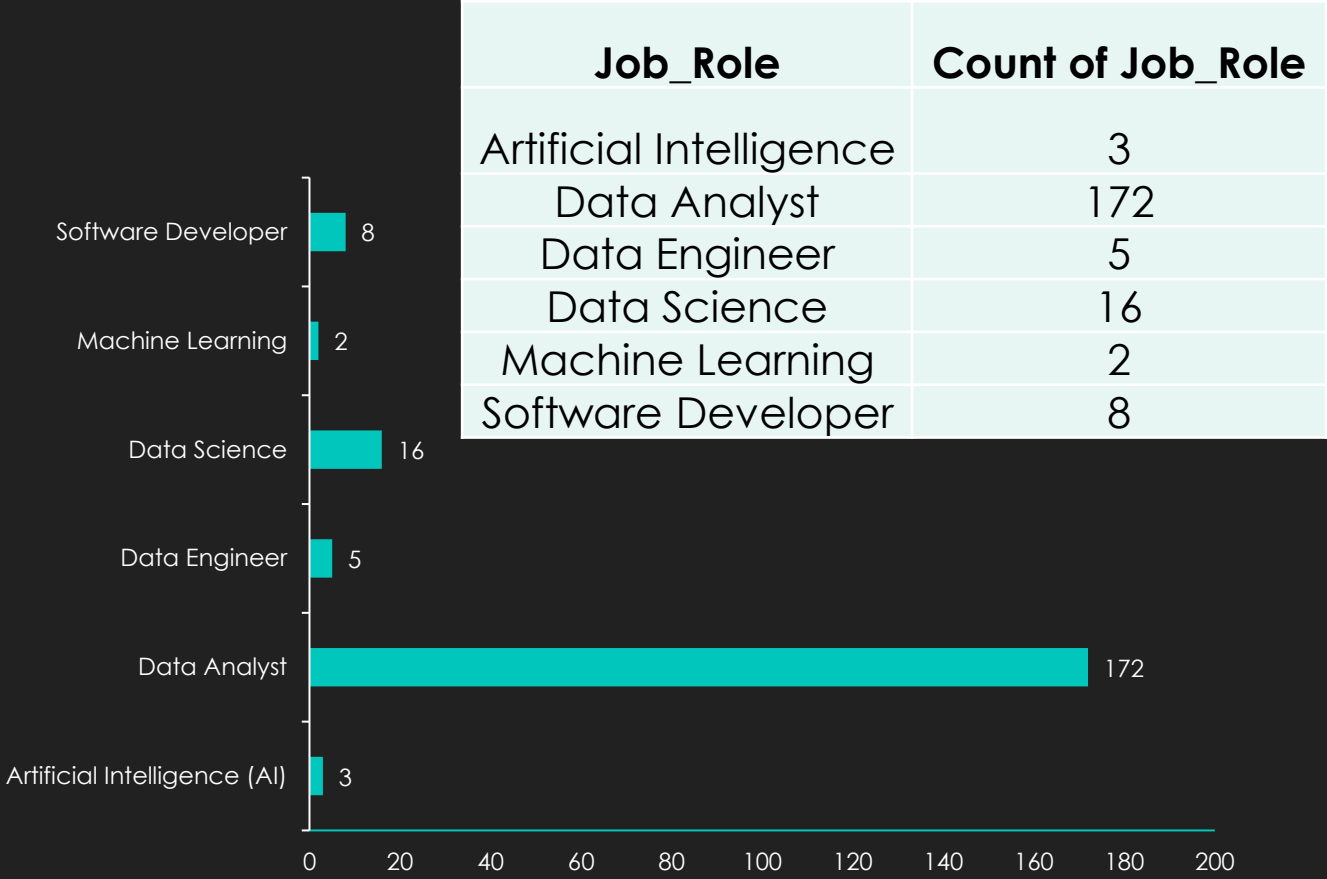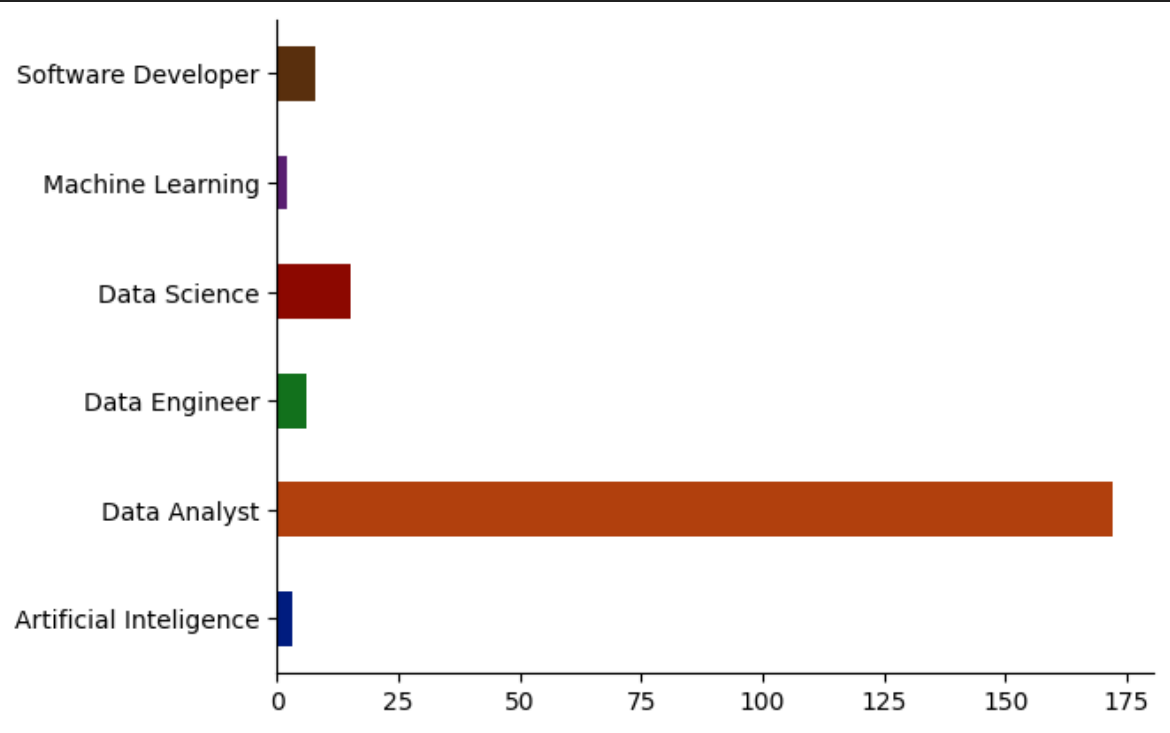
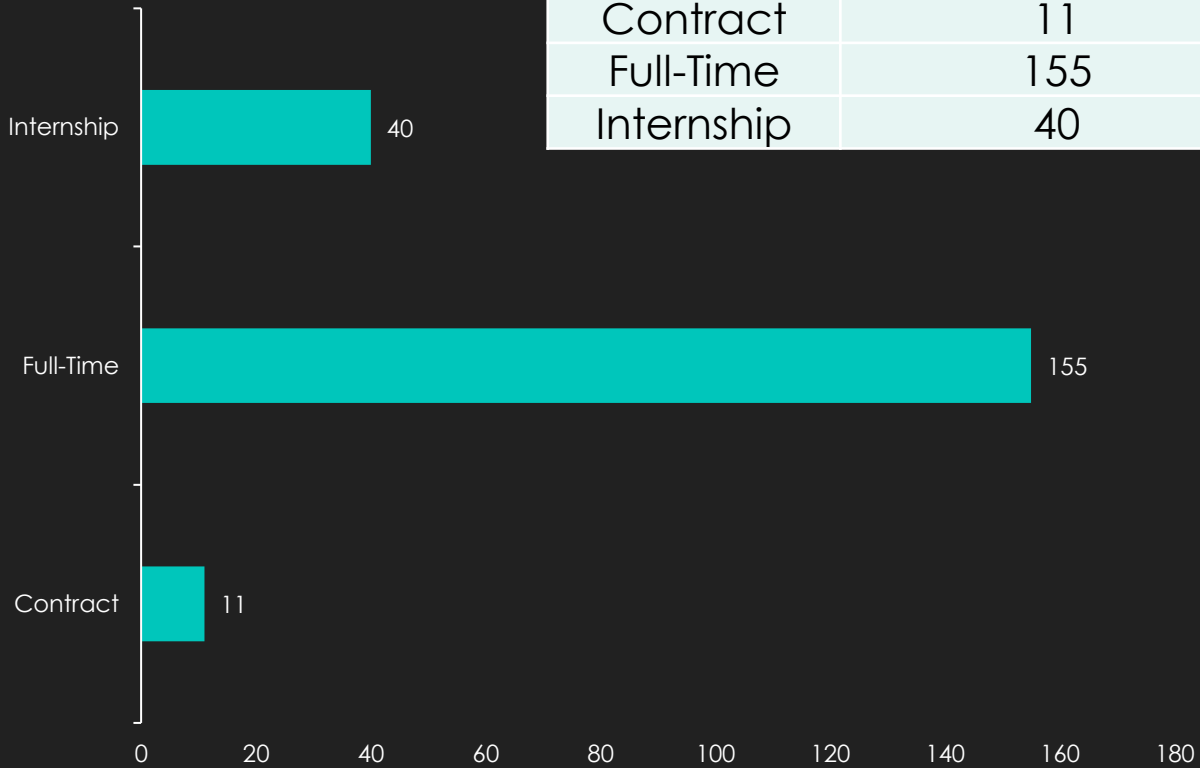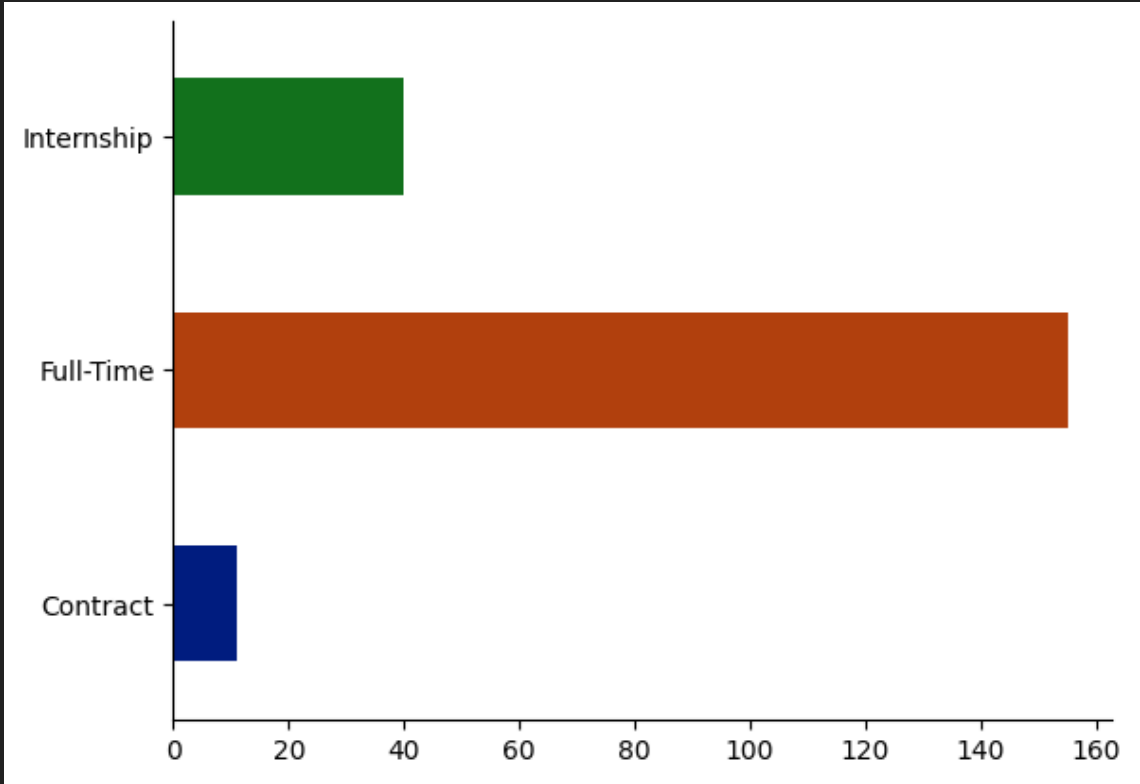**Last Updated:** March 16, 2024

Steps

- Data cleaning & Processing
  - Remove missing values or fill with the most frequent values depending on the situation
  - Drop the un-important columns
  - Process the columns parameter and clean & process the variable for ease of implication.

- Exploratory data analysis (EDA)
  - Perform exploratory data analysis to uncover insights and patterns in the data.
  - Visualize key findings using charts and graphs to effectively communicate insights.

Applied Job Role

The data was visualized using both Python and Excel, and the results were compared.
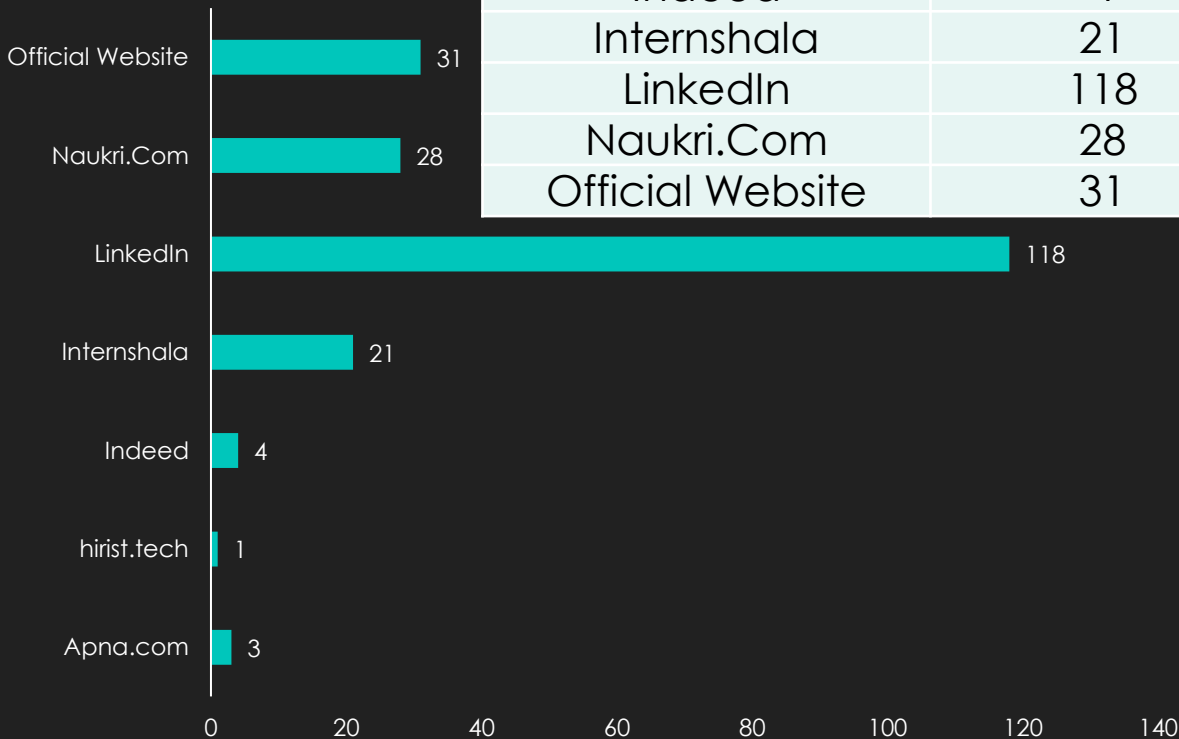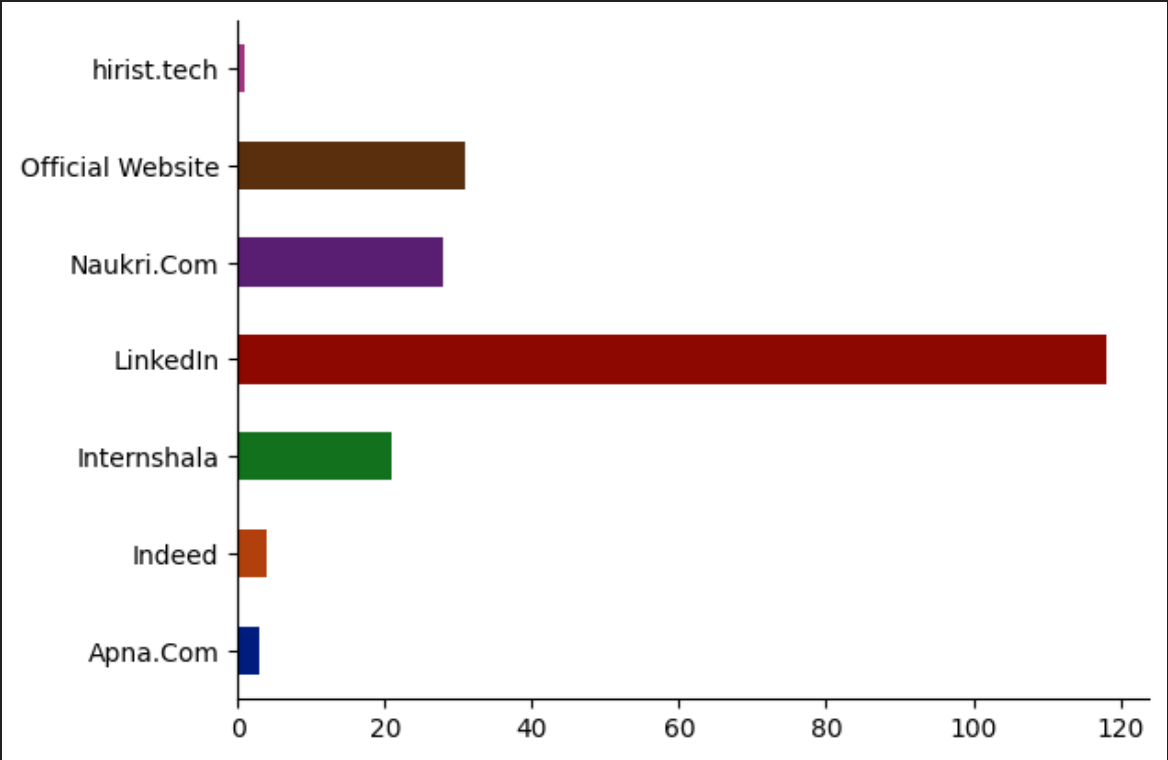

Job_Role	Count of Job_Role
Artificial Intelligence	3
Data Analyst	172
Data Engineer	5
Data Science	16
Machine Learning	2
Software Developer	8

Applied Job Type

Role_Type	Count of Role_Type
Contract	11
Full-Time	155
Internship	40

Applied Through

AppliedThrough2	Count
Apna.com	3
hirist.tech	1
Indeed	4
Internshala	21
LinkedIn	118
Naukri.Com	28
Official Website	31

Applied Location
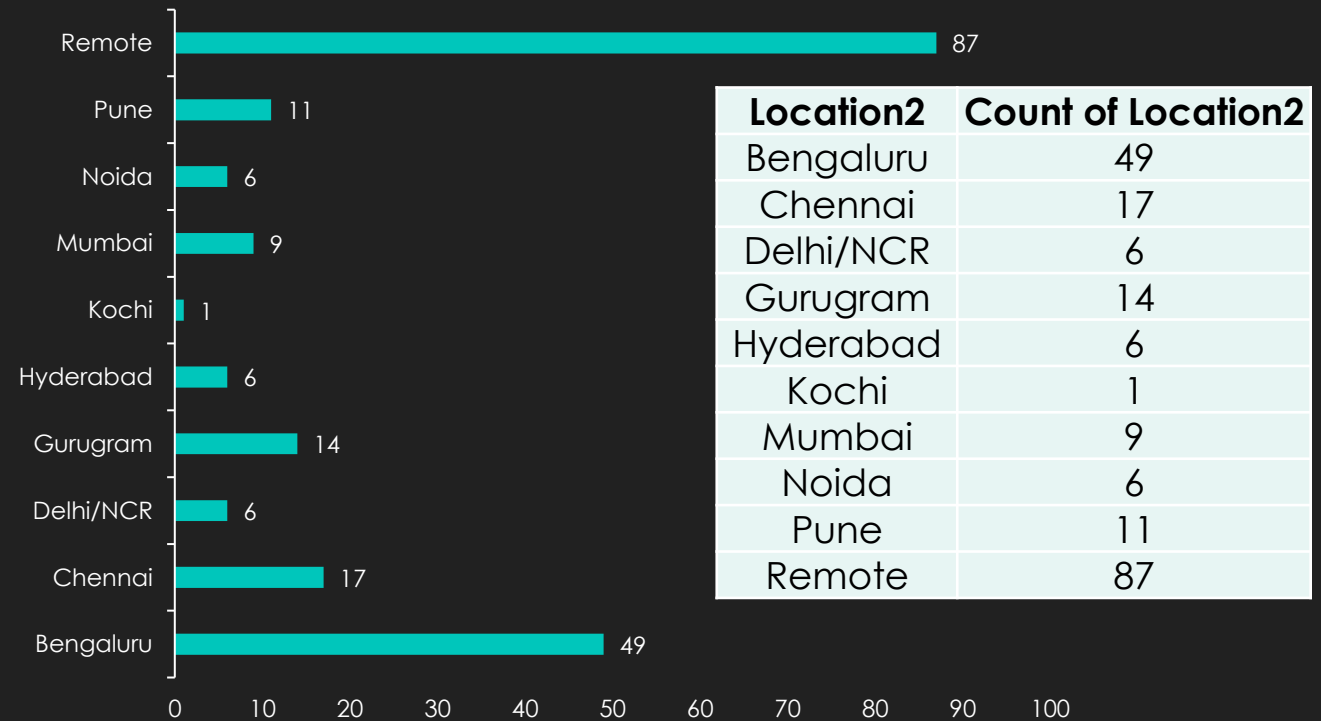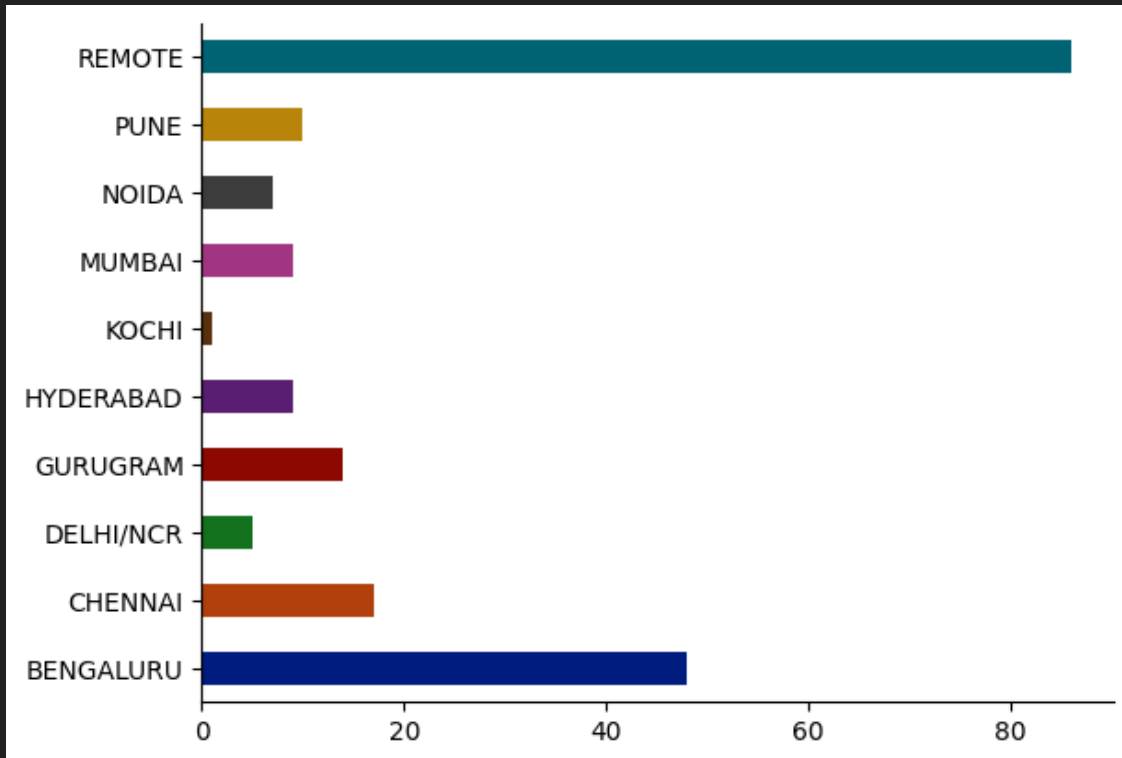
Month wise job applied
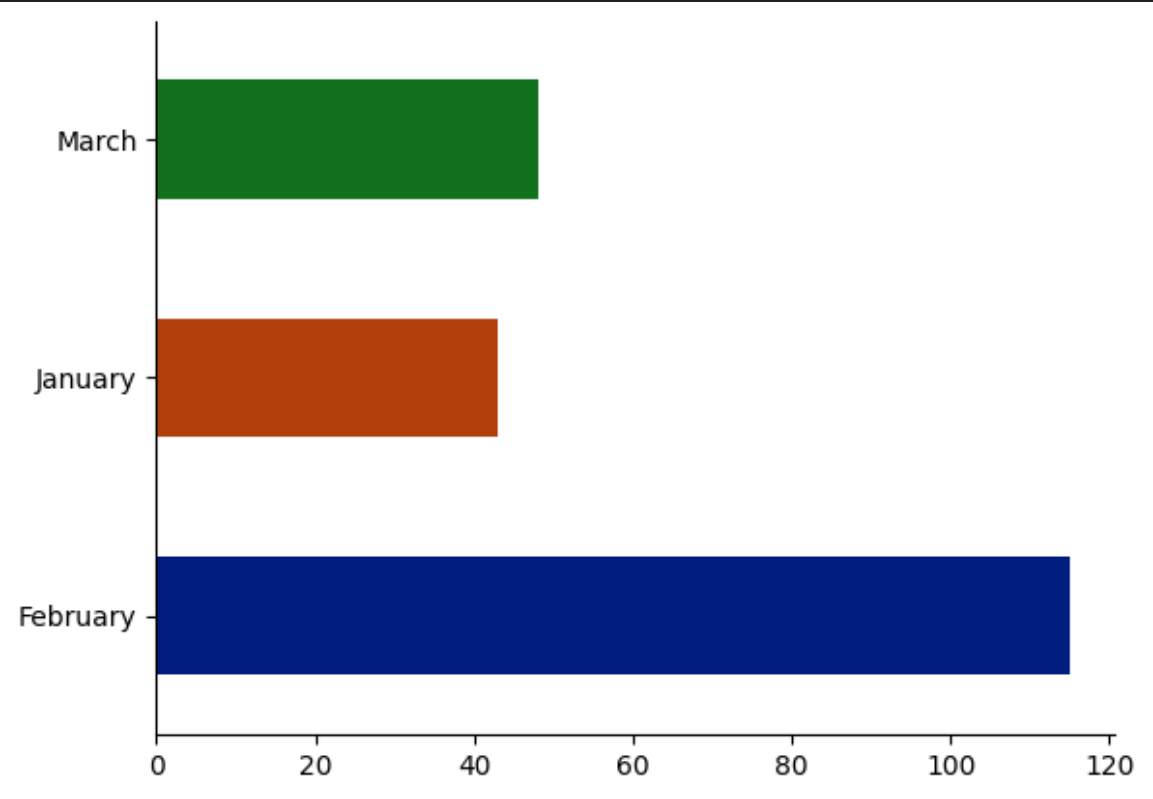
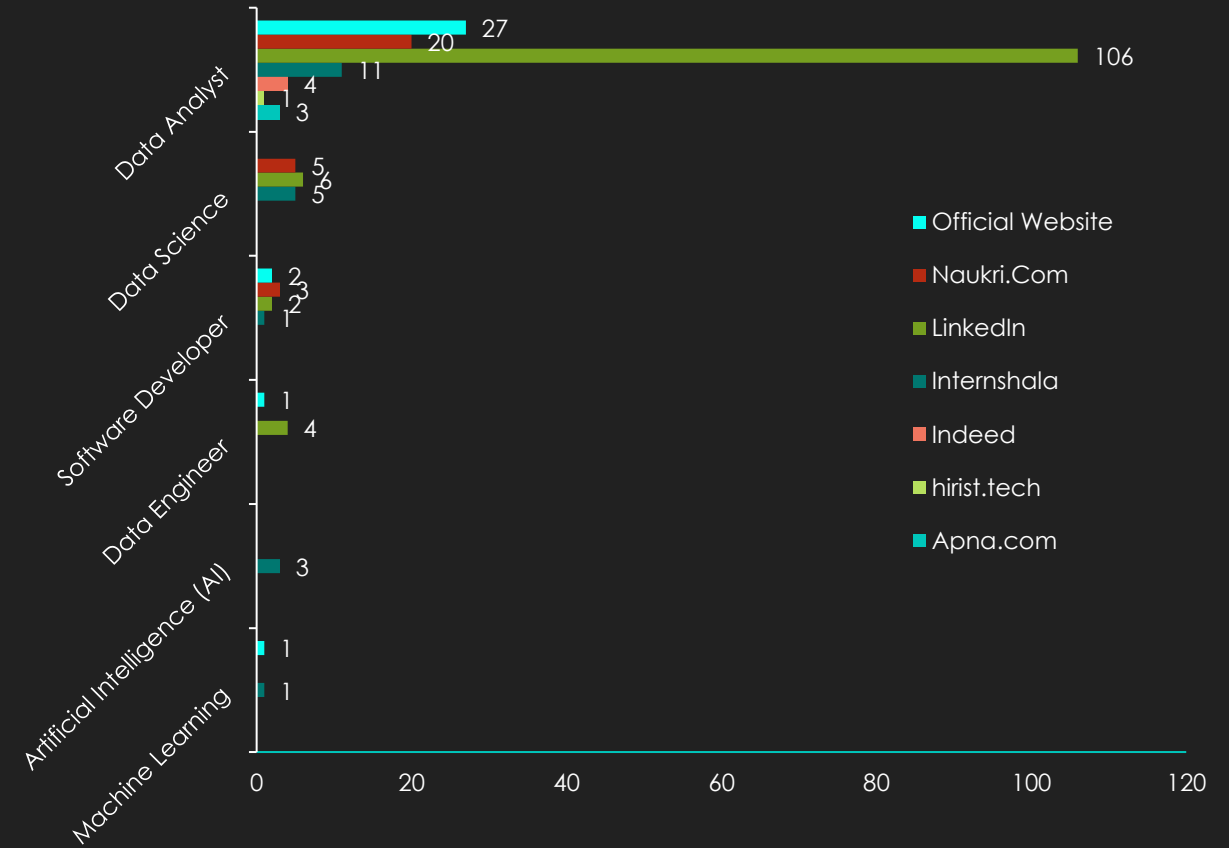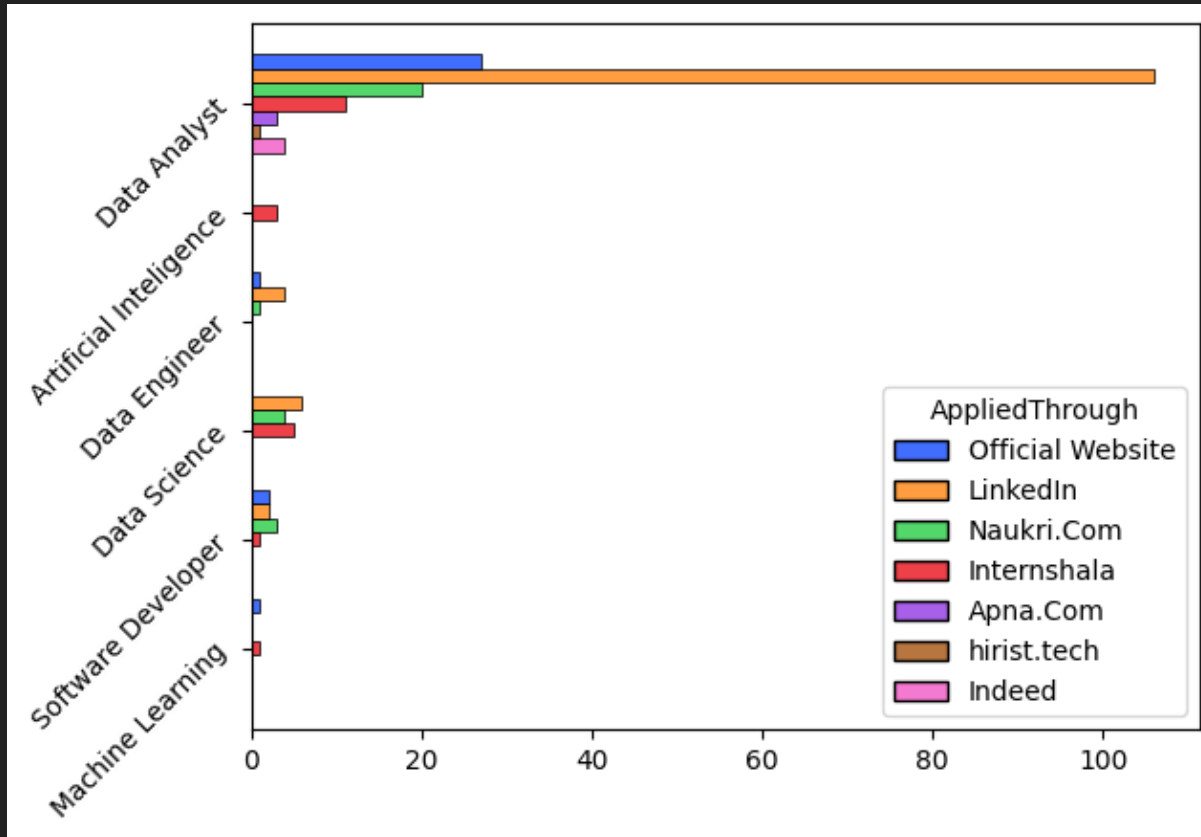| Month_Name	Count of Month_Name
January	43
February	115
March	48
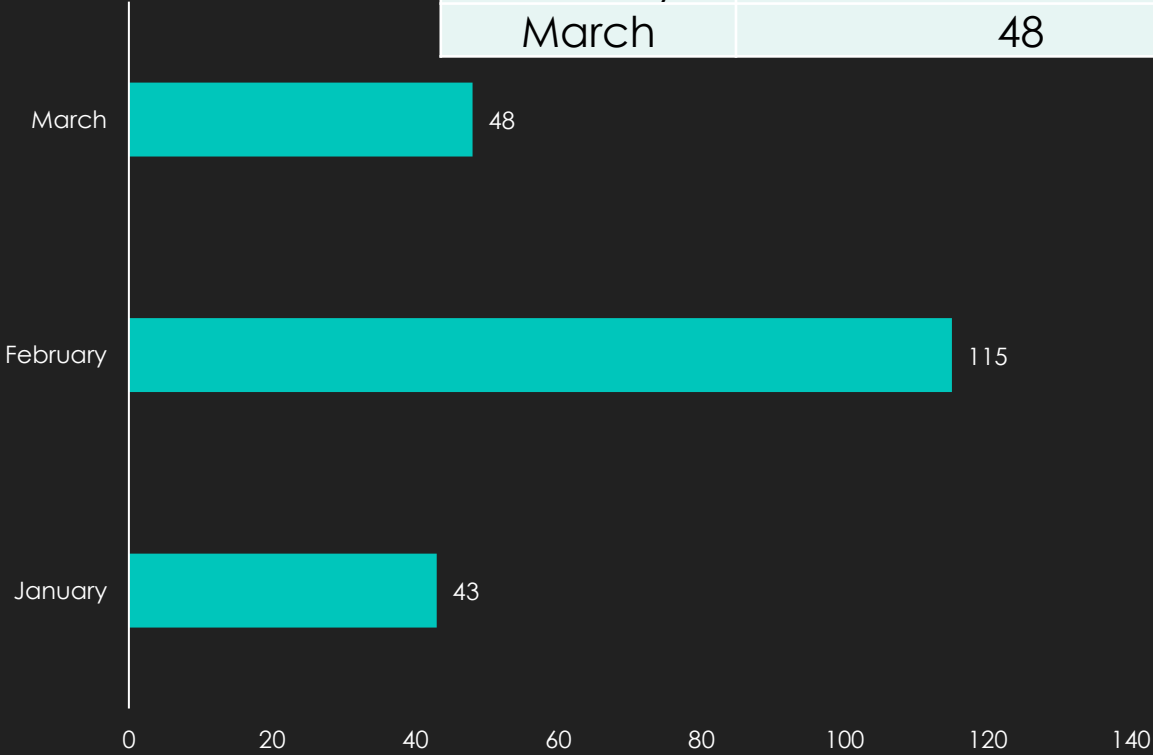
Bi-variate categorical analysis

- Bivariate categorical analysis involves analyzing the relationship between two categorical variables.

- Bivariate analysis allows us to explore how the categories of one variable relate to the categories of another variable.
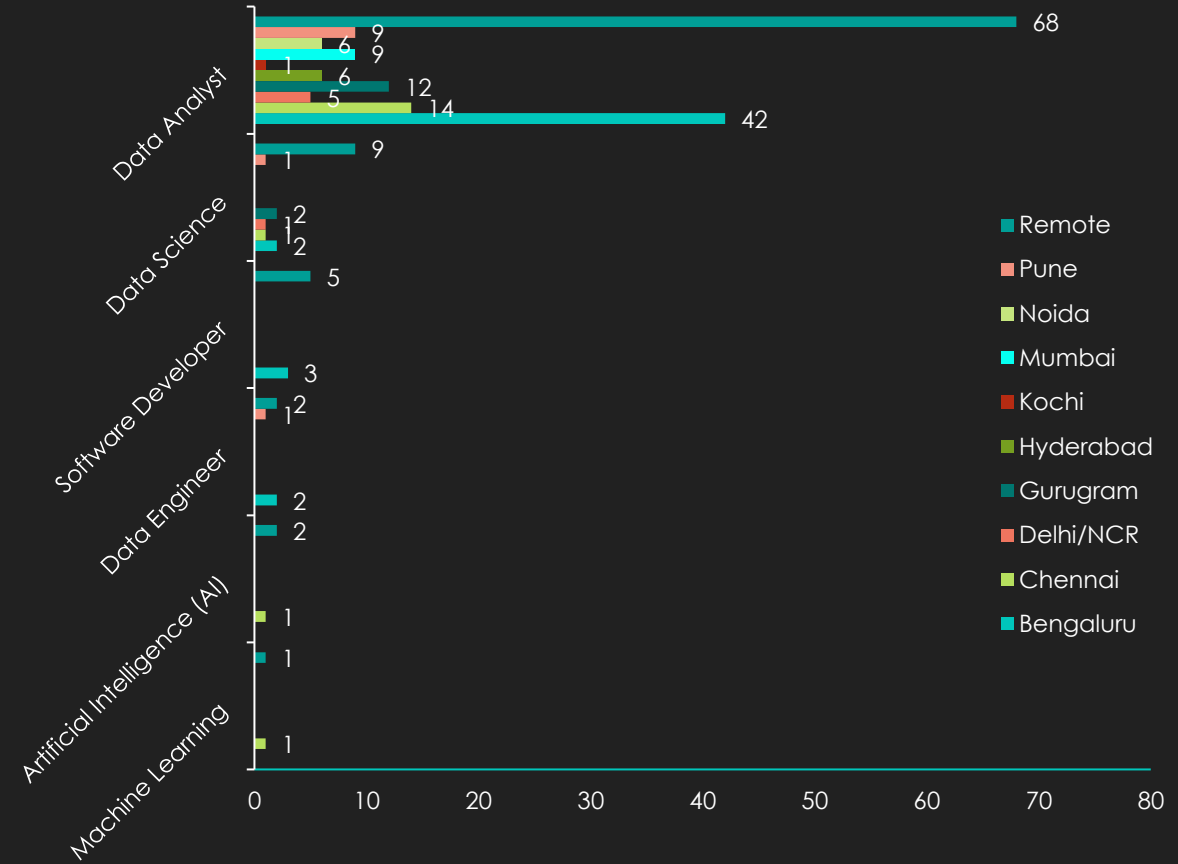
Applied Job role vs Job type

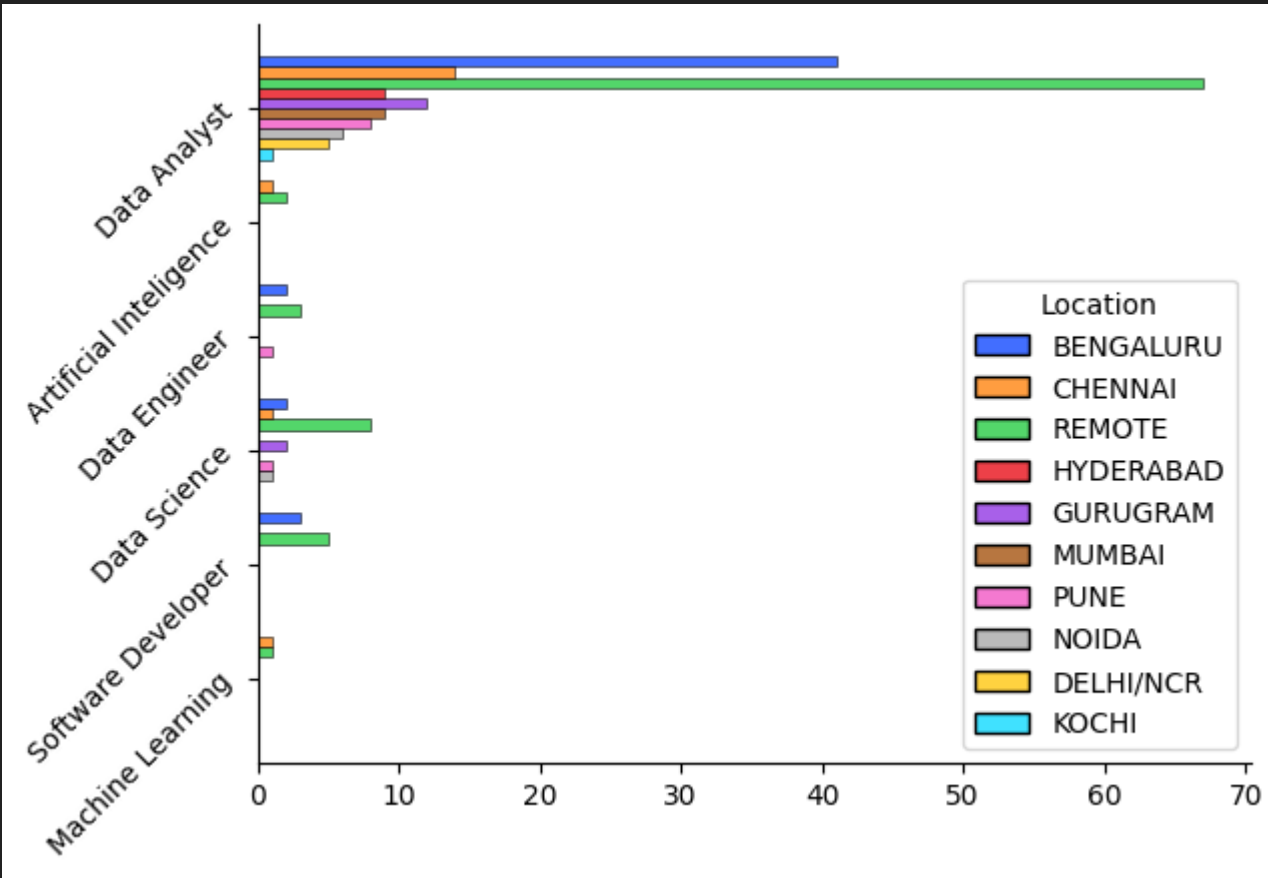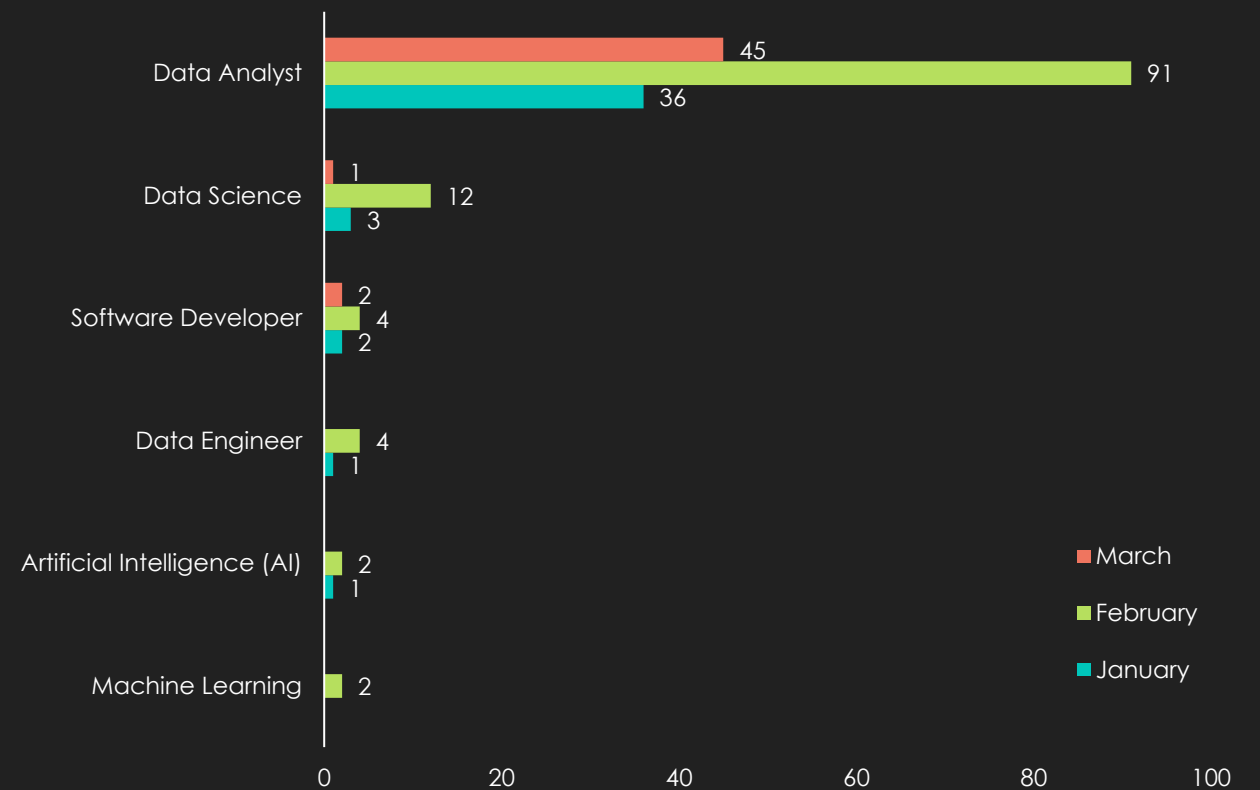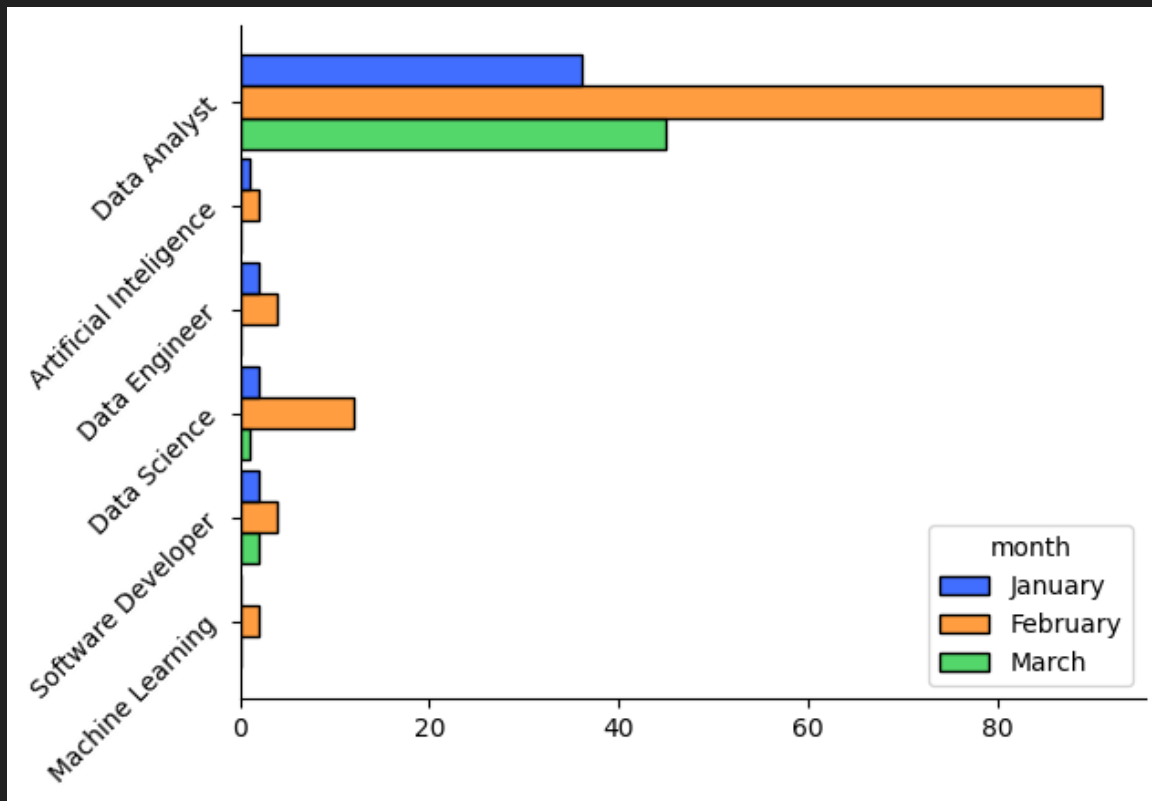| Job_Role	Contract	Full-Time	Internship
Software Developer		6	2
Machine Learning			2
Data Science		11	5
Data Engineer		4	1
Data Analyst	11	134	27
Artificial Intelligence (AI)			3
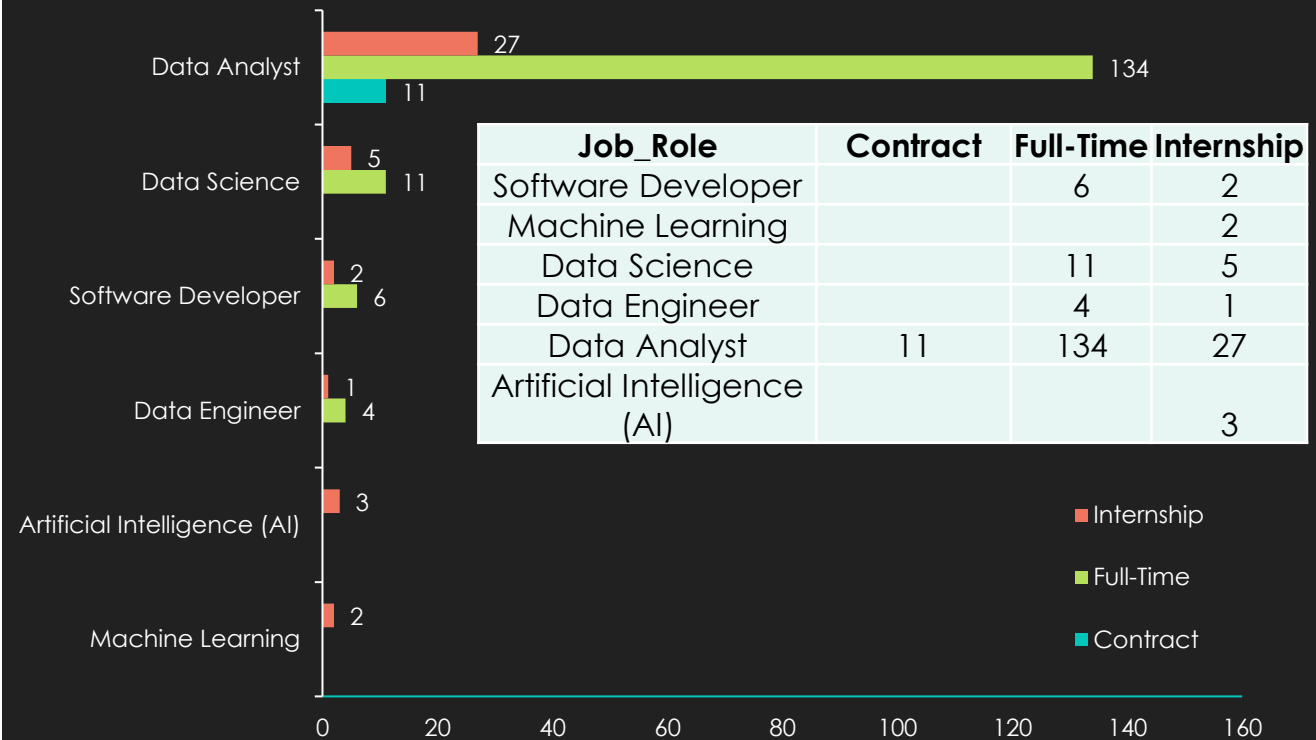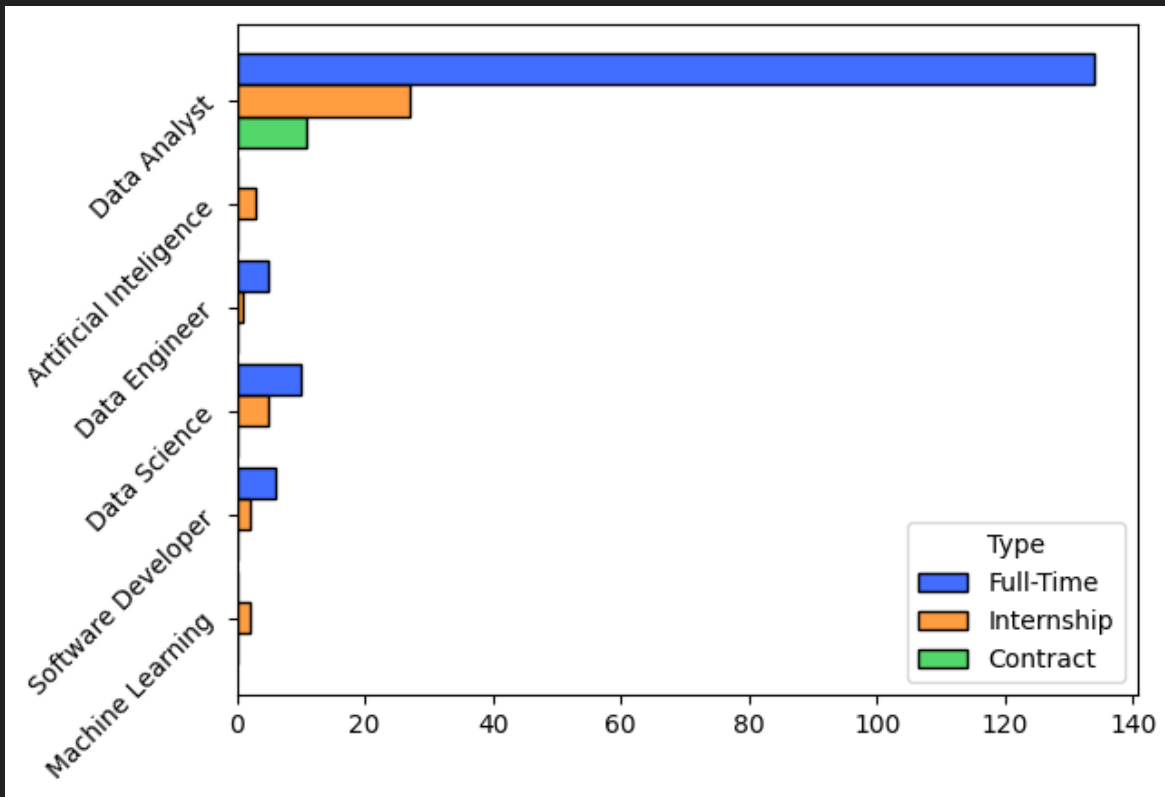
Applied Job role vs Applied through

Applied Job role vs Location

Applied Job role vs Applied month

Important Parameters Analysis:

- Top 5 applied companies

```
Innometrics Solutions      4
BayOne Solutions           4
Rekruton Technologies      4
Elite Met Solutions        3
Bytical                    2
Name: CompanyName, dtype: int64
```

- Most applied Job Role

```
Data Analyst        172
Name: Job_Role, dtype: int64
```

- Top 3 Job Location

```
REMOTE          86
BENGALURU       48
CHENNAI         17
Name: Location, dtype: int64
```

- Most Applied Job Type

```
Full-Time        155
Name: Type, dtype: int64
```

- Most jobs applied in the month of?

```
February        115
Name: month, dtype: int64
```

- Top 3 platform jobs applied through?

```
LinkedIn             118
Official Website      31
Naukri.Com            28
Name: AppliedThrough, dtype: int64
```