

[illegible]

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## Introduction

This report is the assignment of the course **Foundations of Information** assignment job market analysis.

### Data Collection Methods

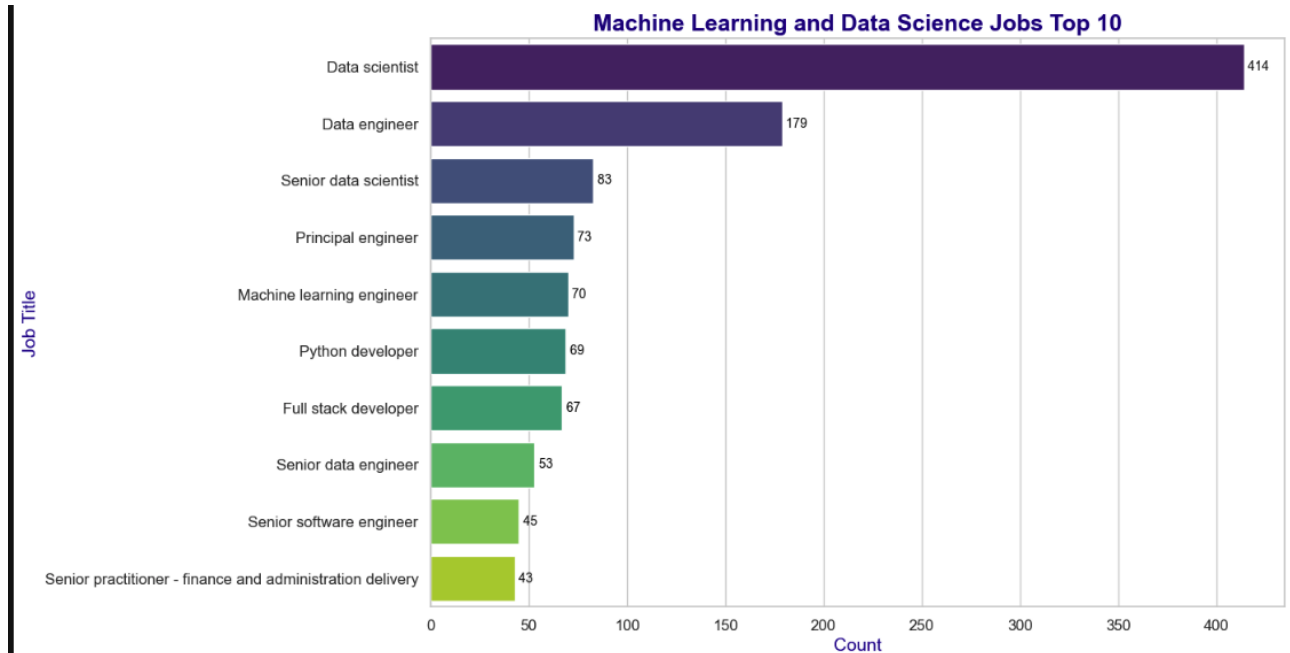
I have utilized the web scraping technique to scrape naukri.com all the job related data of **Machine learning in India**. To Scrape the website I have used the selenium chrome driver and beautiful soup to extract data from it, as just the backend call gets blocked by the websites so I preferred using the selenium web driver technique to extract data, I added the sleep time of 5000-7000 ms so that we don't bombard the site with the requests and get blocked.

Sample size contains the 8000+ jobs which contain the keyword **Machine learning** in it.

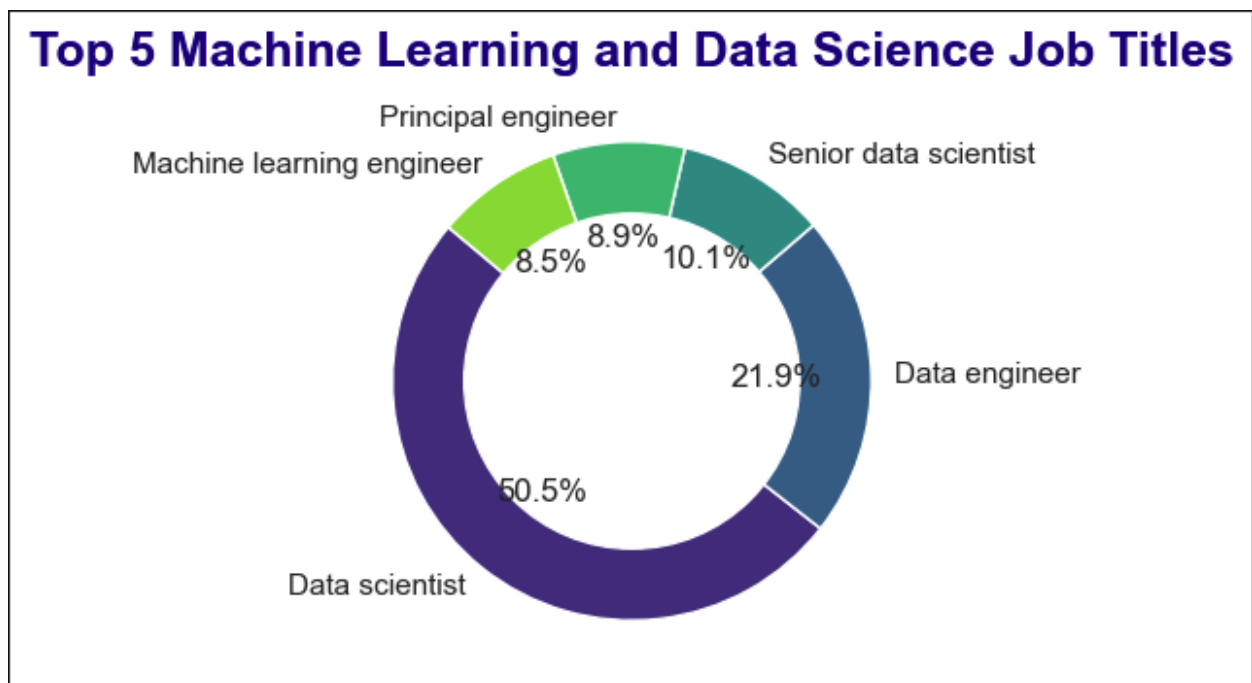
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## Market Data Visualization

Titles of the positions available:

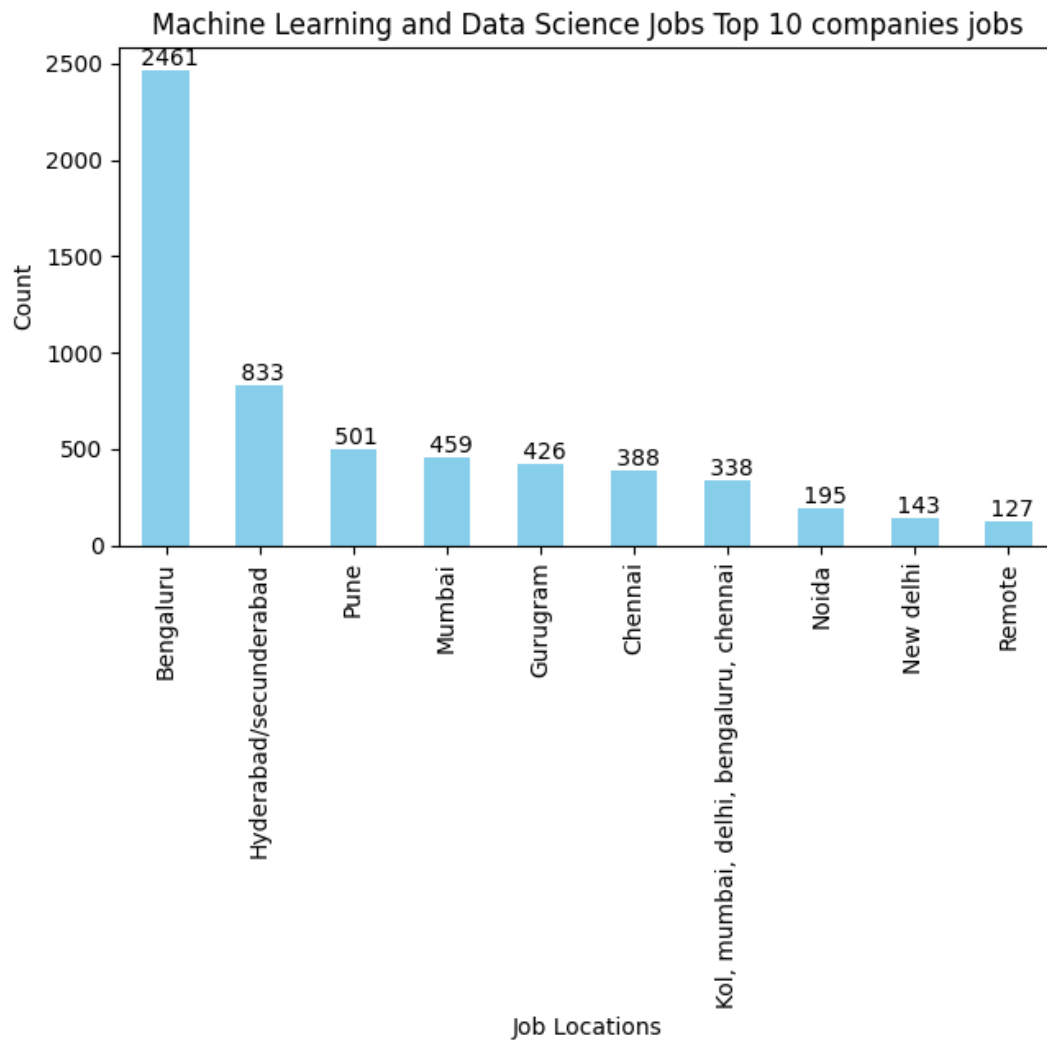


Here are the top 10 job titles from the dataset, **Data Scientist** is the most demanding job title from the companies



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## Locations

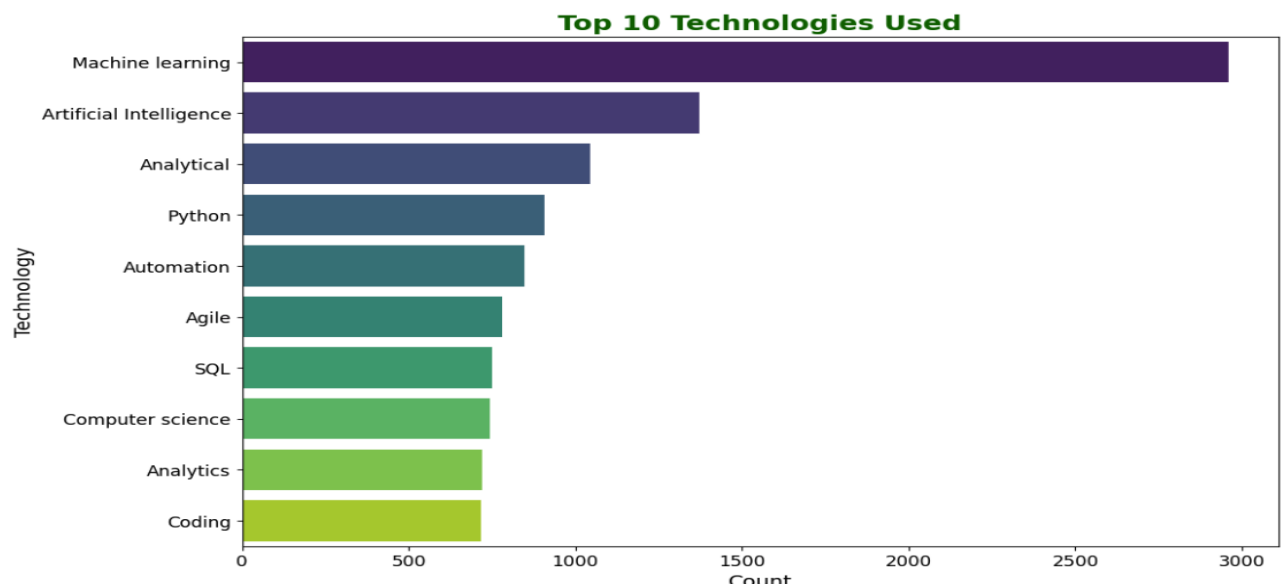


**Bengaluru** is the hub of opportunities. It contains 3x more jobs than the second highest job provider, even if we exclude the other 338 jobs for multiple locations where Bengaluru is common.

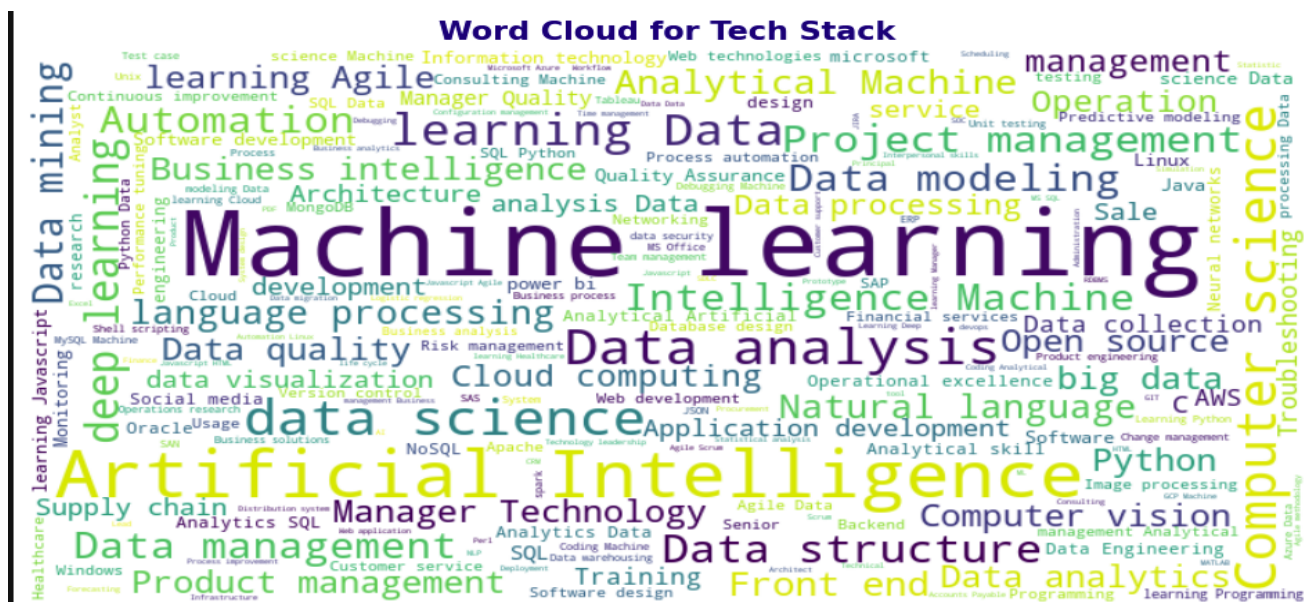
## Type of positions

Only 1 job is listed as the part time in company **WiselyWise** where they ask for experience level of 1-3 years as a Trainer is Machine learning for **Mumbai** location. The Remaining 8218 jobs are full time.

## Key Skills required

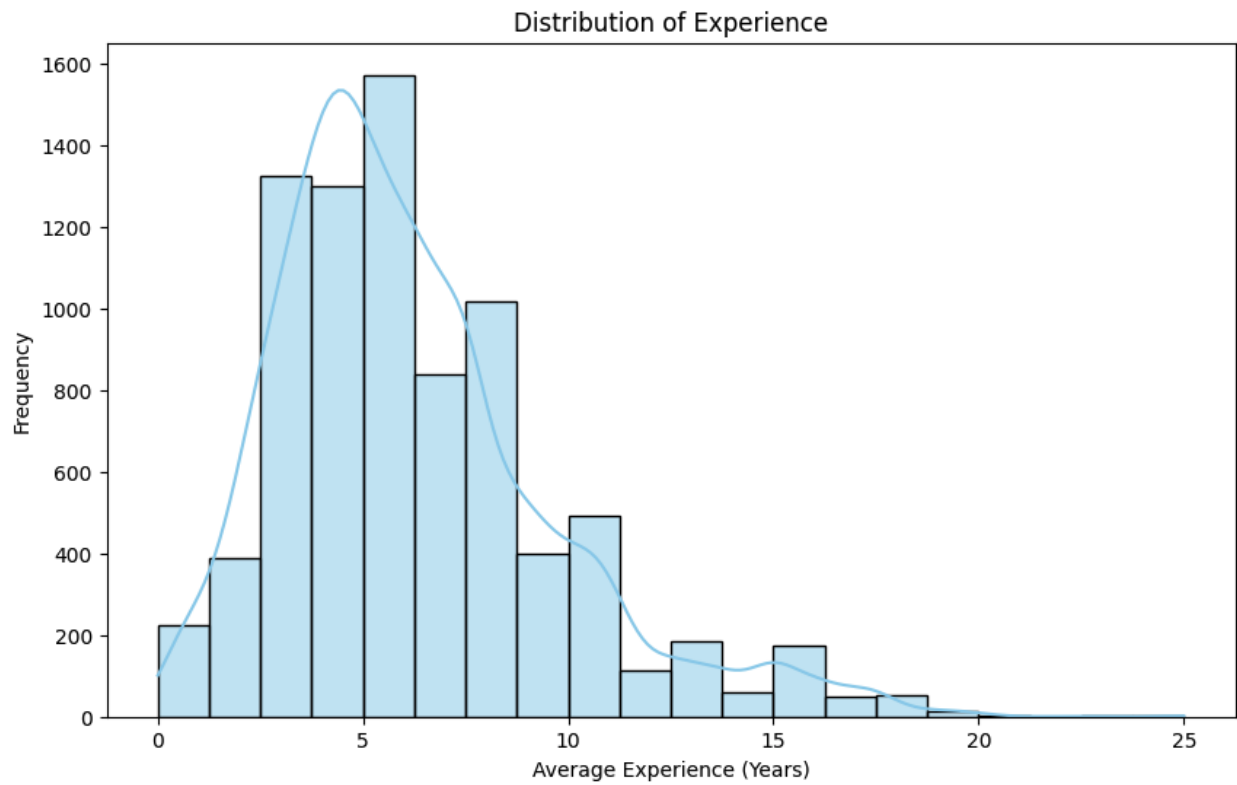
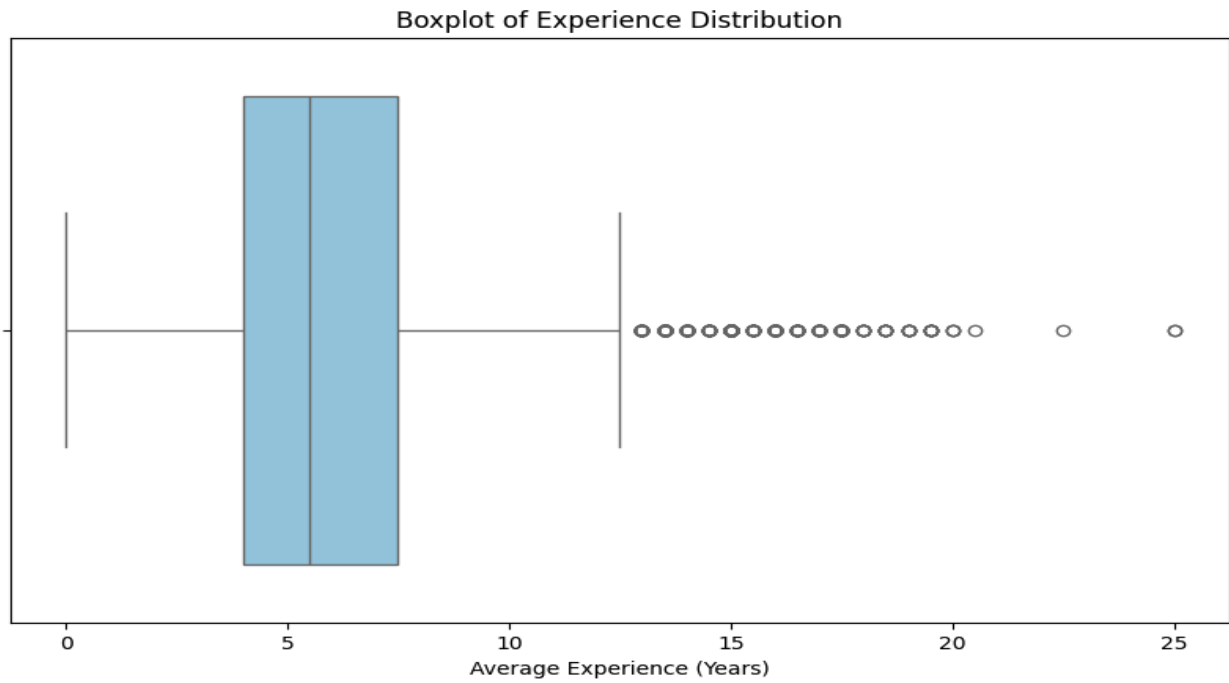


Machine learning is the key skill required



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## More Analysis



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**Ideal Job:**

I could not find the ideal job from the posted jobs but I would like to lead the Team in Google, Data analysis for search engine or Maps division as Google has a massive data set and amazing team. It would be nice to learn how we handle massive datasets and solve business problems.

But if we talk about the posted jobs then I would like to apply for the

**Research Scientist (Speech and Audio)****Pratham, Mumbai****Tech Stack:**

Computer science, Computer vision, Publishing, Artificial Intelligence, Machine learning, Natural language processing, Research Associate, Android