



LinkedIn Job Analytics

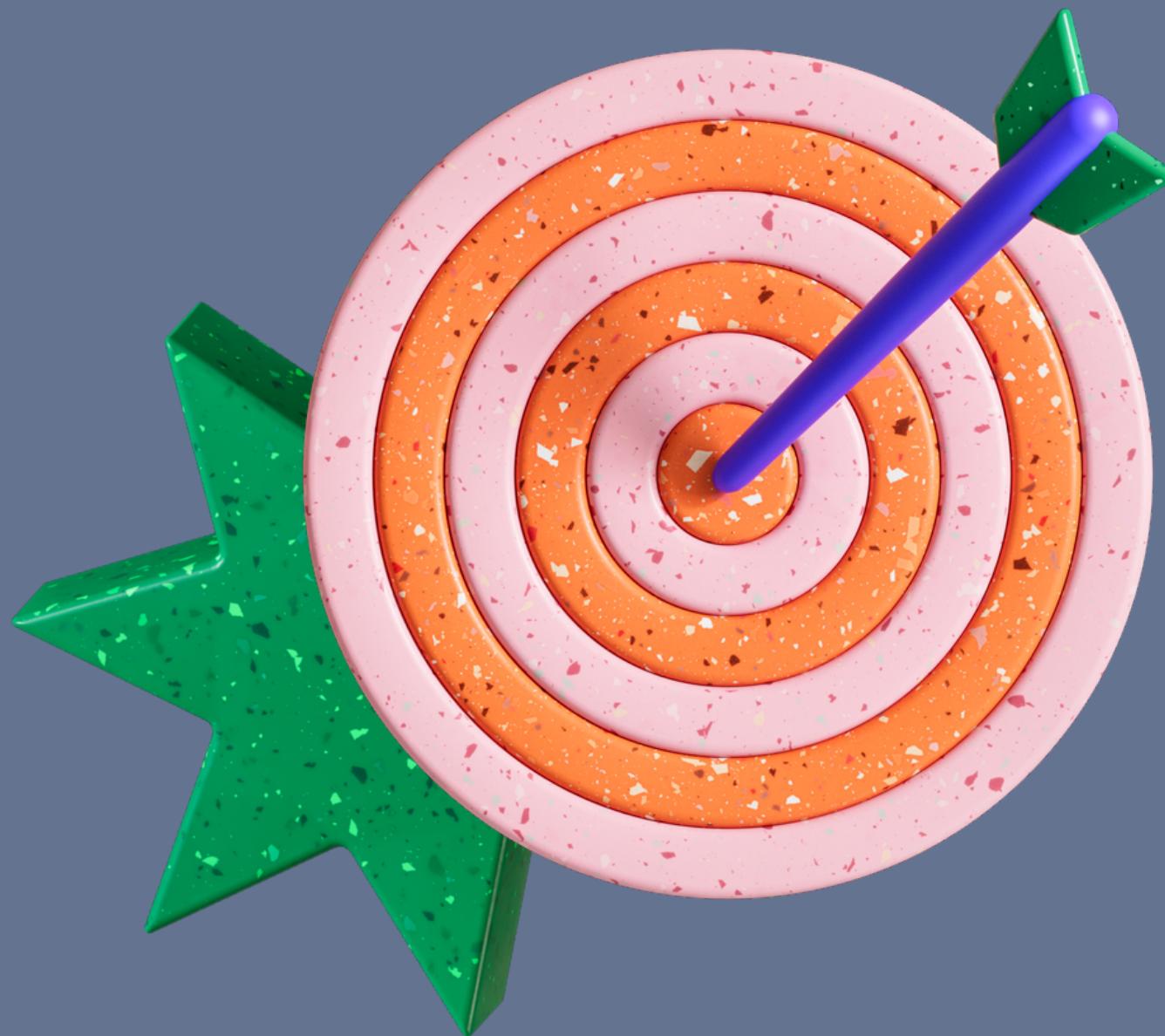
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Objectives



Objective

- A candidate can examine all the requirements they will need while selecting some fields from model

Problem Statement

5
Explain insights
with
the help of
dashboard

1

Extracting job data
from all the pages
of the LinkedIn

2

Converting data
into csv files.

3

Connecting data
and cleaning data

4

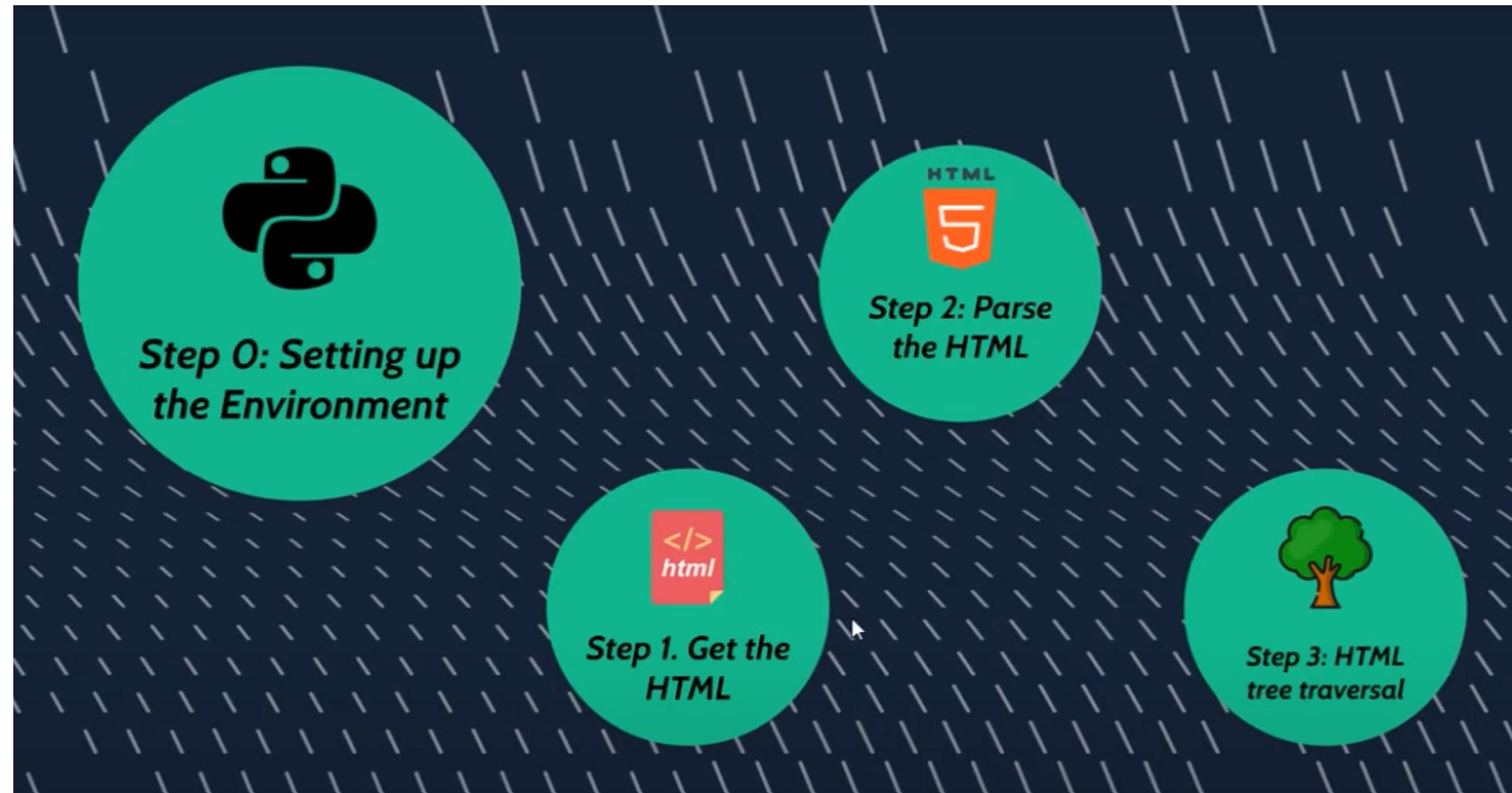
Coming out with
Insights

Data
Scrapping Method

Beautifulsoup

Selenium

Beautiful Soup method



Problem of Beautiful Soup method



Selenium Method Uses



Data Scraping



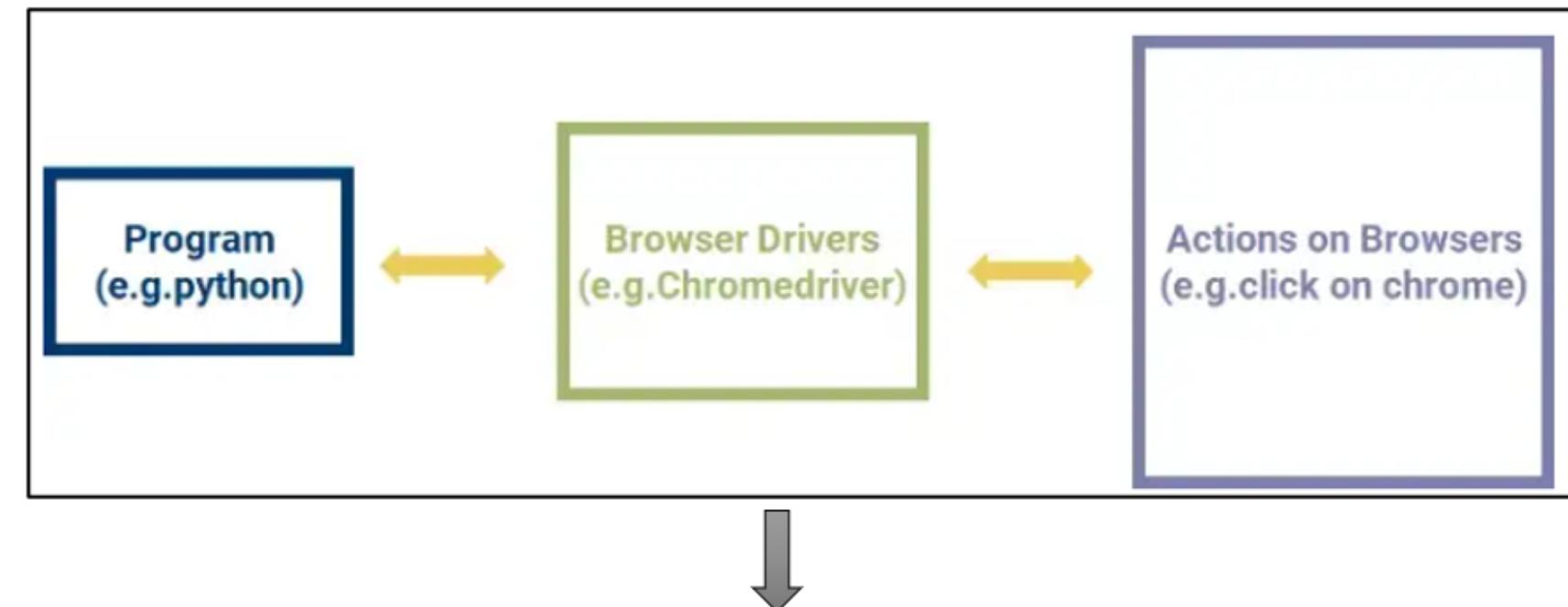
Automation



Testing

Selenium Method

For automation using Selenium Procedure and directly landed on LinkedIn job portal



Extracting data from first page then clicking one by one for all the pages to collecting data from them

Create a Data frame of this data

Convert into csv file



Data Frame

	comapanyname	designation	location	industryname	No_followers	no_emp	no_applicant	level
0	SS Software Technologies	Java Fullstack Developer	Hyderabad, Telangana, India	IT Services and IT Consulting	IT Services and IT Consulting 2,876 followers	5 employees	10 applicants	Full-time
1	Accenture in India	Qlik Sense Application Support Engineer	Bengaluru, Karnataka, India	IT Services and IT Consulting	IT Services and IT Consulting Bengaluru, Karna...	41,899 employees	12 applicants	Full-time · Mid-Senior level
2	Northern Trust Corporation	Alteryx Developer	Bengaluru, Karnataka, India	Financial Services	Financial Services Chicago, Illinois 350,480 f...	26,097 employees	64 applicants	Full-time · Mid-Senior level
3	Uplers	Python Developer	Noida, Uttar Pradesh, India	IT Services and IT Consulting	IT Services and IT Consulting Freelance Platfo...	1,133 employees	90 applicants	Full-time · Mid-Senior level
4	Wolters Kluwer	Associate Technology Project & Program Management	Chennai, Tamil Nadu, India	Information Services	Information Services Alphen aan den Rijn 203,4...	20,564 employees	24 applicants	Full-time · Entry level
5	Genpact	Process Associate - DevOps - English-HIG011959	Hyderabad, Telangana, India	IT Services and IT Consulting	IT Services and IT Consulting New York, NY 2,3...	126,231 employees	158 applicants	Full-time · Entry level

Data Cleaning in Power Query

Append multiple csv file using append function

Remove duplicates

Remove null values

Extract numeric values

Extract relevant data using split column

Load the data into sheet and SQL query

Unclean Data

A ^B _C location	A ^B _C No_followers	A ^B _C no_emp	A ^B _C no_applicant
Ahmedabad, Gujarat, India	Investment Management 21,597 followers	7,704 employees	28 applicants
Bengaluru, Karnataka, India	Pharmaceutical Manufacturing MUMBAI, Maharashtra 575 followers	5 employees	1 applicant
Bengaluru, Karnataka, India	Advertising Services Bengaluru South, Karnataka 1,963 followers	5 employees	4 applicants
Ahmedabad, Gujarat, India	Software Development 109,247 followers	13,416 employees	3 applicants
Sahibzada Ajit Singh Nagar, Punjab, India	Medical Equipment Manufacturing Mohali, Punjab 3,834 followers	82 employees	15 applicants
Ahmedabad, Gujarat, India	Outsourcing and Offshoring Consulting Houston, Texas 1,308 followers	55 employees	17 applicants
Ahmedabad, Gujarat, India	Software Development Ahmedabad, Gujarat 704 followers	0 employees	22 applicants
Ahmedabad, Gujarat, India	None	None	76 applicants
Surat, Gujarat, India	Retail Apparel and Fashion Surat, Gujarat 1,848 followers	17 employees	1 applicant
Faridabad, Haryana, India	Rail Transportation Paris 155,134 followers	4,866 employees	50 applicants

Clean Data

City	State	Country	Industry Name	No_of_followers	No_of_employee	No_of_applicant
Bengaluru	Karnataka	India	Pharmaceutical Manufacturing	575	5	1
Bengaluru	Karnataka	India	Advertising Services	1963	5	4
Ahmedabad	Gujarat	India	Software Development	109247	13416	3
Sahibzada Ajit Singh Nagar	Punjab	India	Medical Equipment Manufacturing	3834	82	15
Ahmedabad	Gujarat	India	Outsourcing and Offshoring Consulting	1308	55	17
Ahmedabad	Gujarat	India	Software Development	704	0	22
Surat	Gujarat	India	Retail Apparel and Fashion	1848	17	1
Faridabad	Haryana	India	Rail Transportation	155134	4866	50
Indore	Madhya Pradesh	India	Environmental Services	233457	22542	70
Bangalore Urban	Karnataka	India	Information Services	8596	66	86

SQL server

Load data into SQL server

Manipulating data using various function:

- Group by
- Order by
- Count
- Sum
- CTE
- procedure

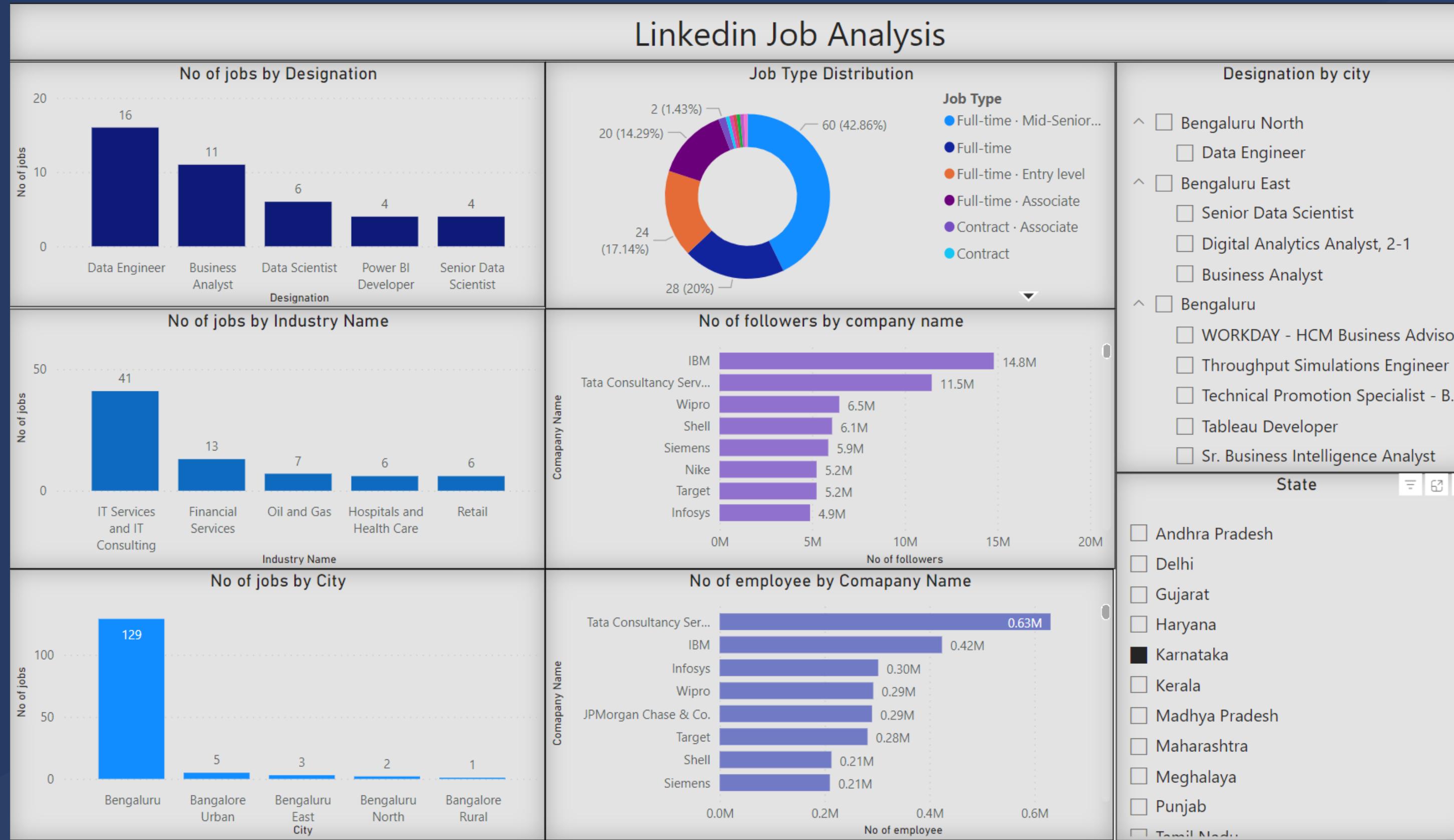
Insights

- Number of Followers by company name
- Number of employee by company name
- Number of Jobs on the basis of city

- Number of Jobs by Industry name
- Number of jobs by Designation
- Job Type Distribution
- Designation by city

DASHBOARD

Dashboard





**THANK
YOU**

