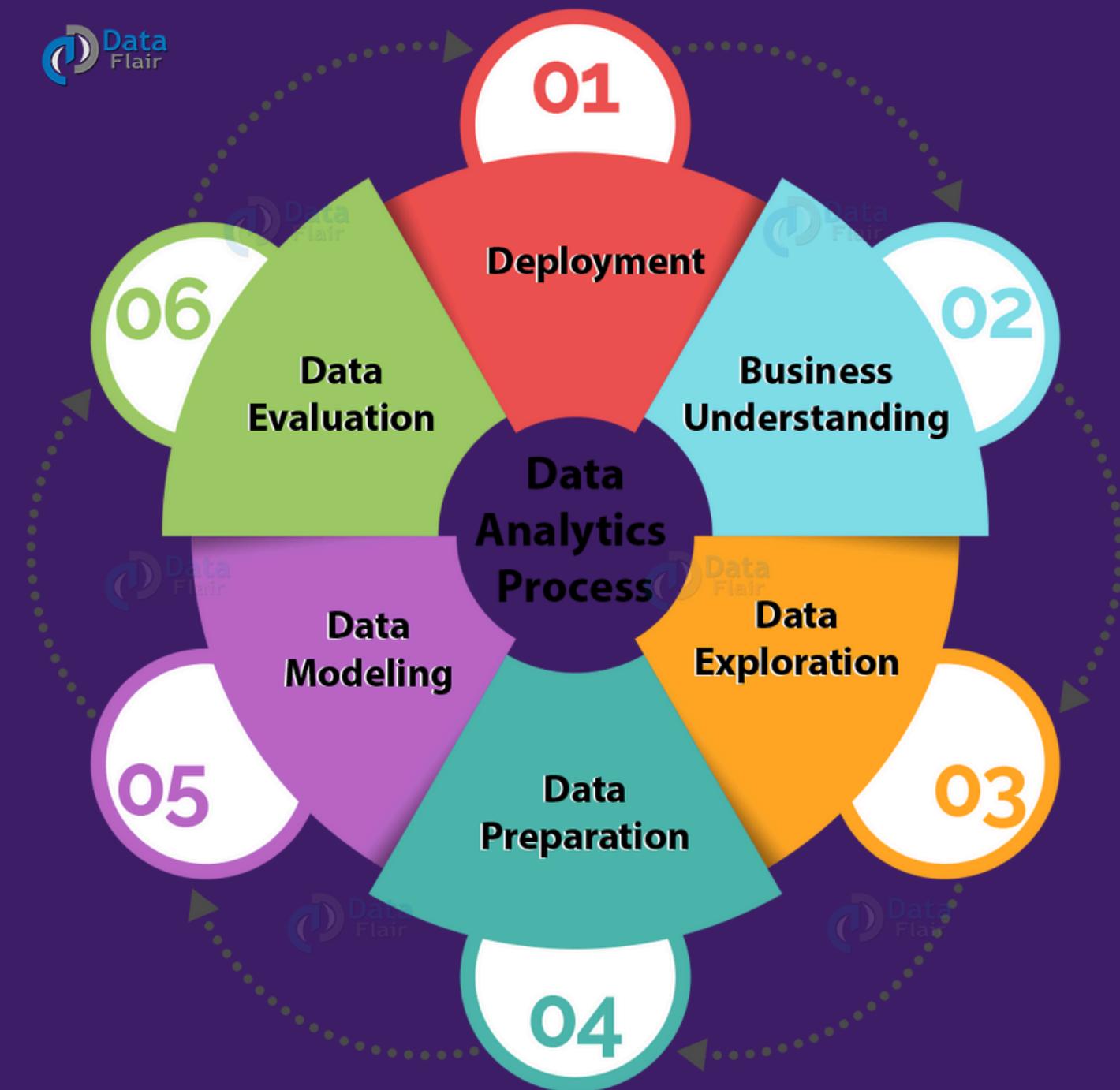


# **Introduction:**

**Data analysis involves examining data to uncover patterns, trends, and insights for decision-making, using statistical methods and visualization techniques to interpret and communicate findings effectively to stakeholders.**

# Preaparation of Data into Data Visualisation

- Data Scraping
- Data Analysis
- Data Visualisation



# DATA SCRAPING

we perform Data Scraping in Python  
using Beautiful Soup, requests and  
Selenium Libraries





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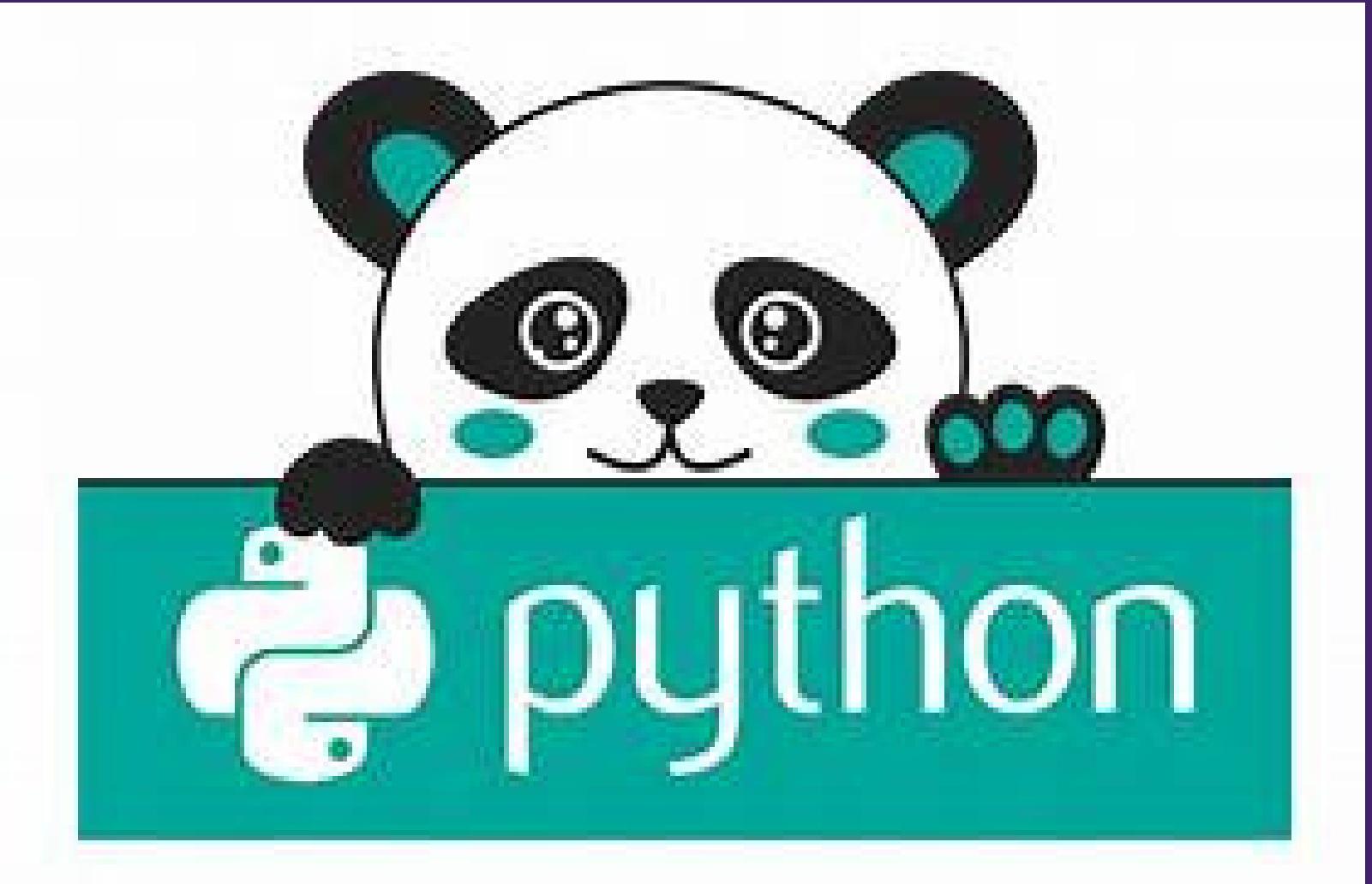
# Beautiful Soup And Requests:

**Beautiful Soup takes permission from website using requests.  
we use beautiful soup library for web scraping using its library functions.**

## selenium:

Selenium handles controlling of browser and can automatically consume information from website and also with help of selenium code.

**we used pandas  
libraries using data  
frames and stores  
data that we scraped.**



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**we now transfer data from data  
frames to Excel Sheets**

# PowerBI (Analyse tool) which visualises data.

**we load excel data into power Bi.**

we try to load data from excel sheets. and we can visyalise it in power Bi.



# Data Analysation

**Data will be analysed using different analysation techniques used in power bi**

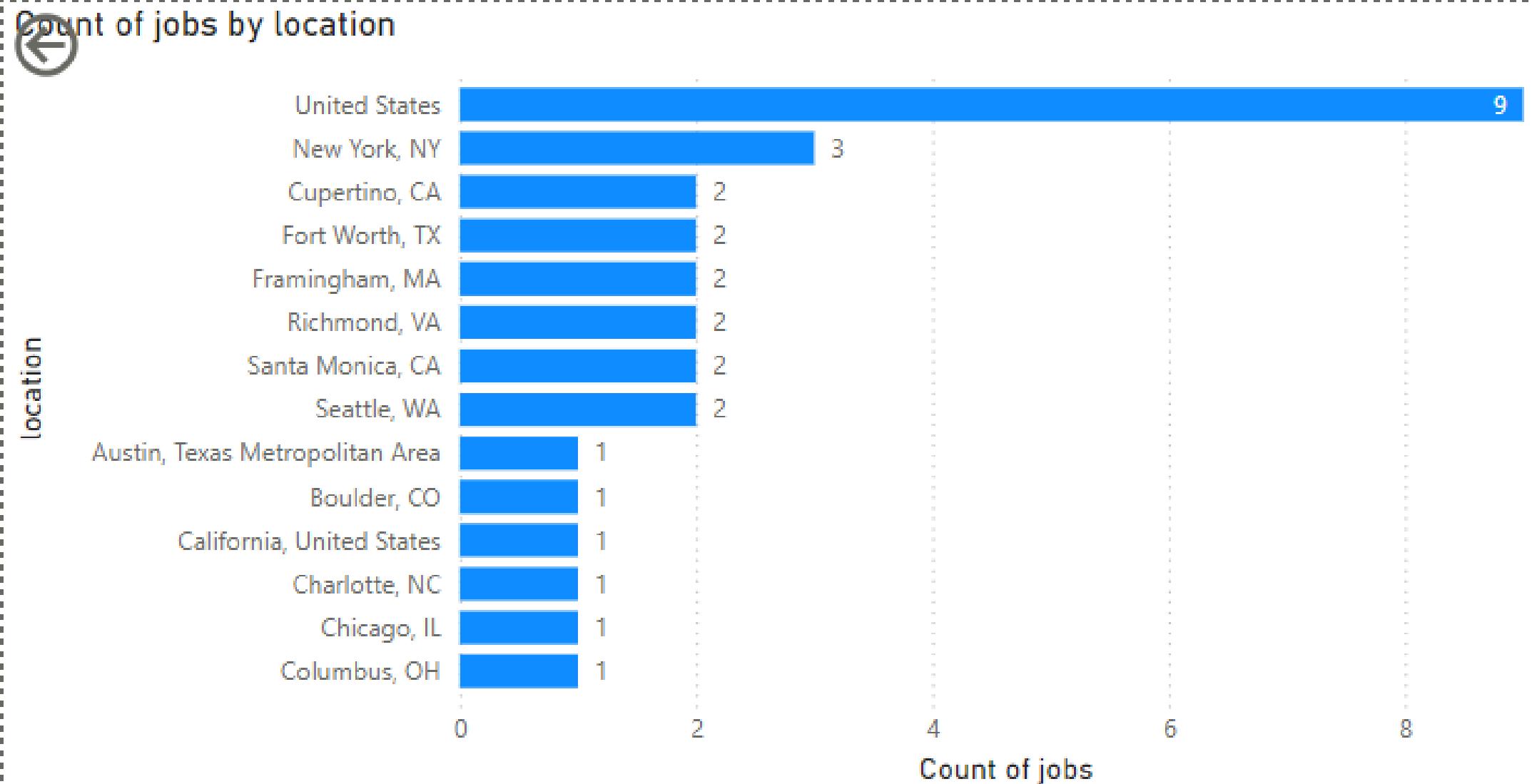
# Data Visualisation

**Data visualisation takes all the data that is analysed using analysation techniques and will be displayed in different visuals which will make data easy to understand.**

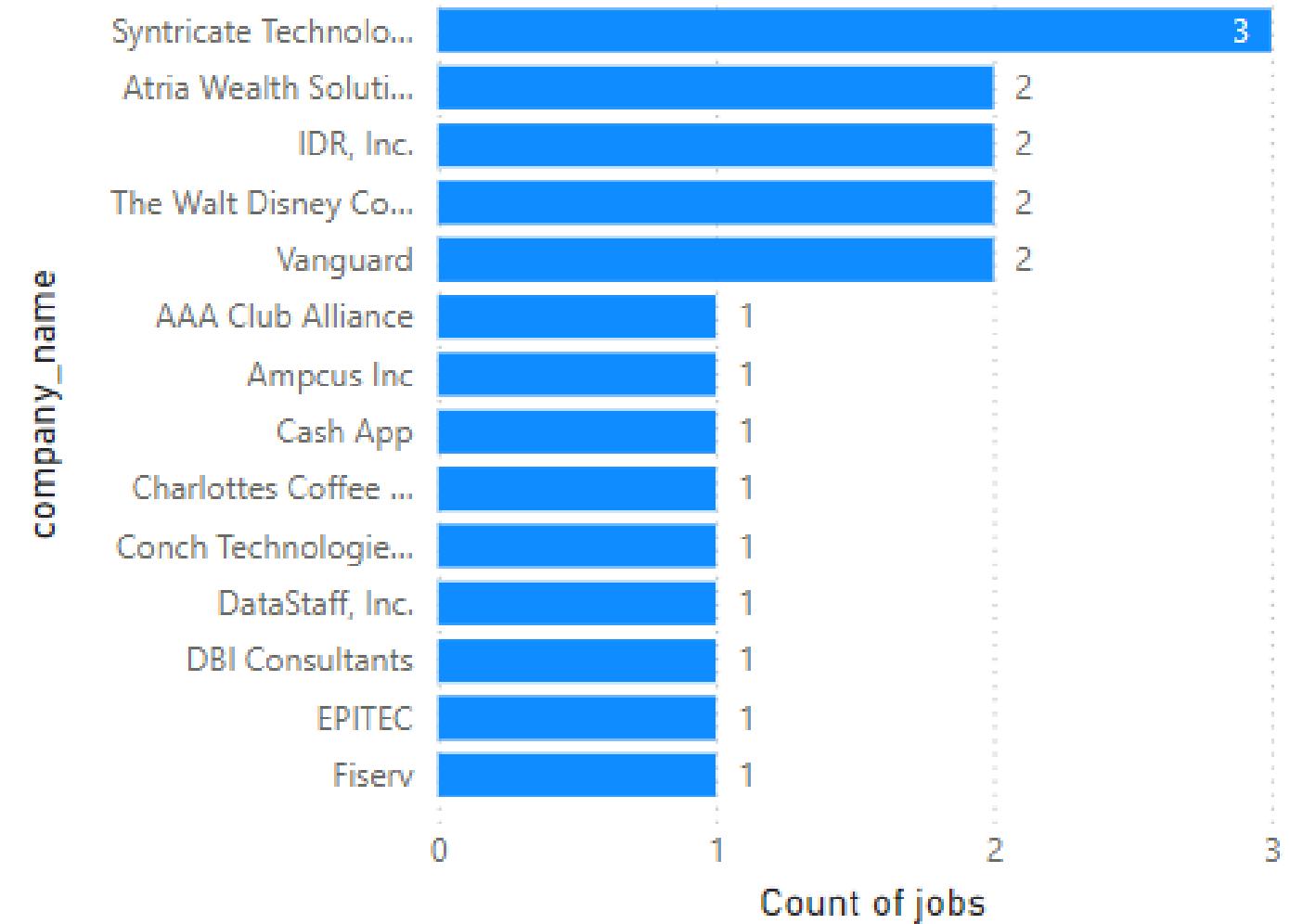
# Data Source:

The screenshot shows a LinkedIn search results page for "Data Analysis" jobs in the United States. The browser title bar indicates there are 677,000+ Data Analysis jobs in the search results. The LinkedIn header includes the company logo, a "Jobs" dropdown, the search term "Data Analysis", the location "United States", a search icon, a "Join now" button, and a "Sign in" button. Below the header are several filter buttons: "Any time", "Company", "Job type", "Experience level", "Location", "Salary", and "Remote". A call-to-action box on the left encourages users to "Get notified about new Data Analysis jobs in United States" by "Sign in to create job alert". The main content area displays a job listing for a "Data Analyst" position at "Square" in "Atlanta, GA". The listing was posted "15 minutes ago" and includes a "Be among the first 25 applicants" badge. It features a profile picture of three people, a link to "See who Square has hired for this role", and two buttons: "Apply" and "Save". The LinkedIn navigation bar at the bottom includes icons for Home, Newsfeed, Messages, and Groups, along with other account and system icons.

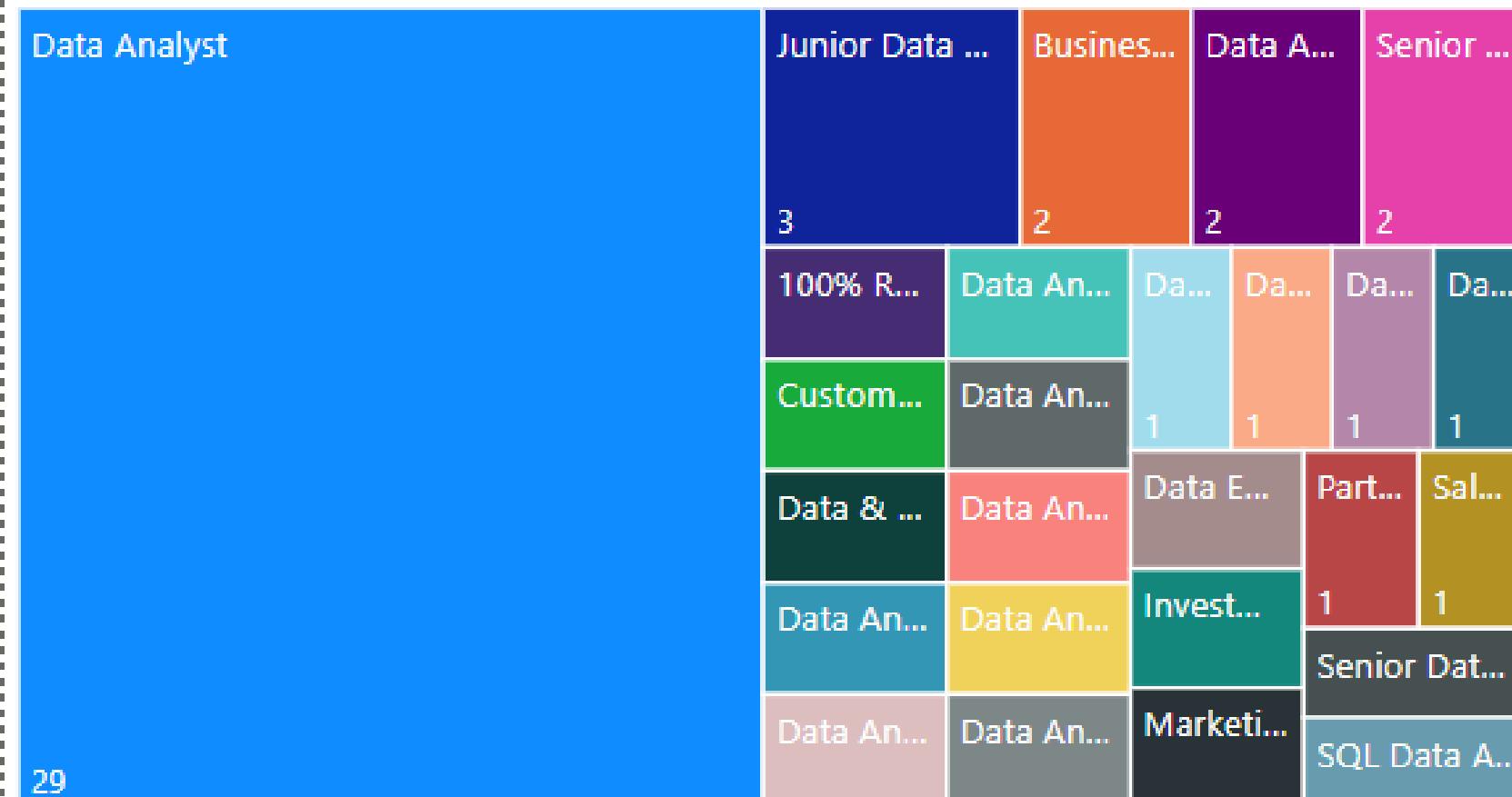
## Count of jobs by location



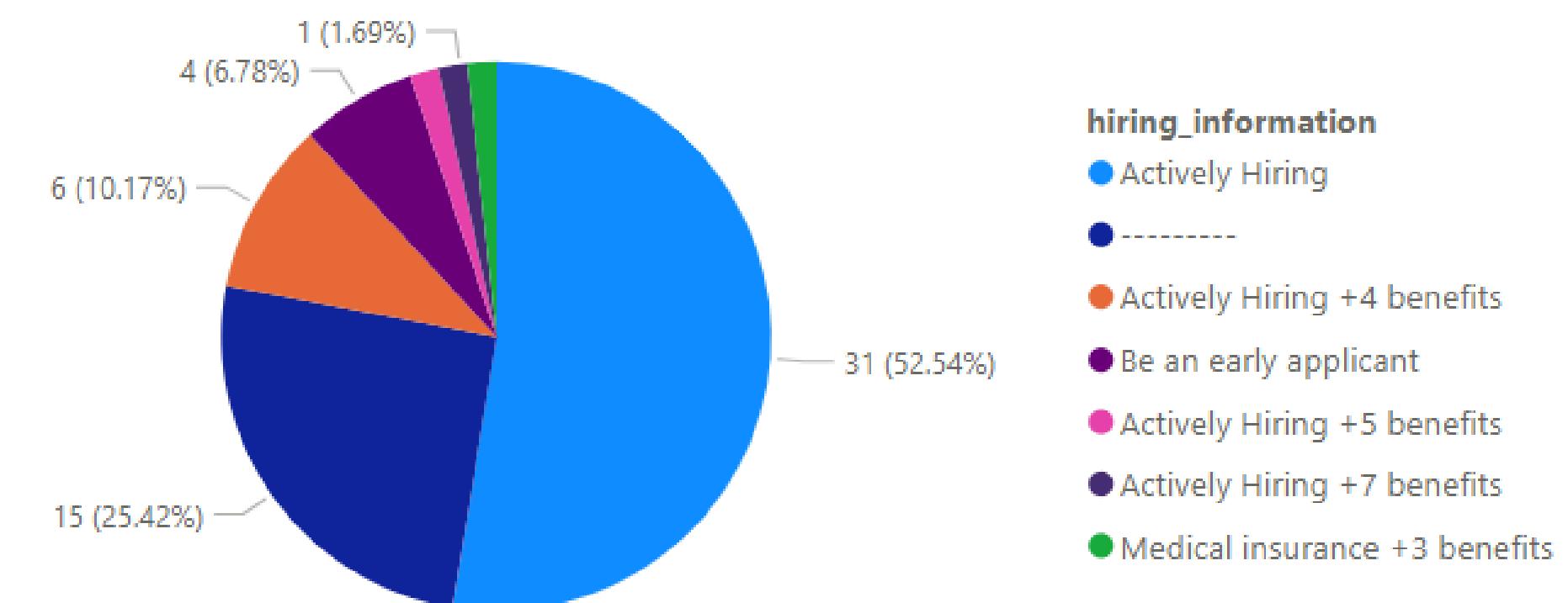
## Count of jobs by company\_name



## Count of jobs by job\_title



## Count of jobs by hiring\_information



**Data Scraping (navigate to every page and loaded some data for every single jobpage)**

# Data Source:

The screenshot shows a LinkedIn search results page for 'Data Analysis' jobs in 'India'. The search bar at the top contains the query 'Data%20Analysis' and 'location=India'. The results page displays a count of '93,000+ Data Analysis jobs in India'. A specific job listing for a 'Business Analyst' position at 'Deloitte' in 'Bengaluru, Karnataka, India' is highlighted, showing it was 'Actively Hiring' 5 days ago. A modal window on the right promotes the LinkedIn app for Windows, encouraging users to 'Get the app'.

LinkedIn search results for 'Data Analysis' in 'India'.

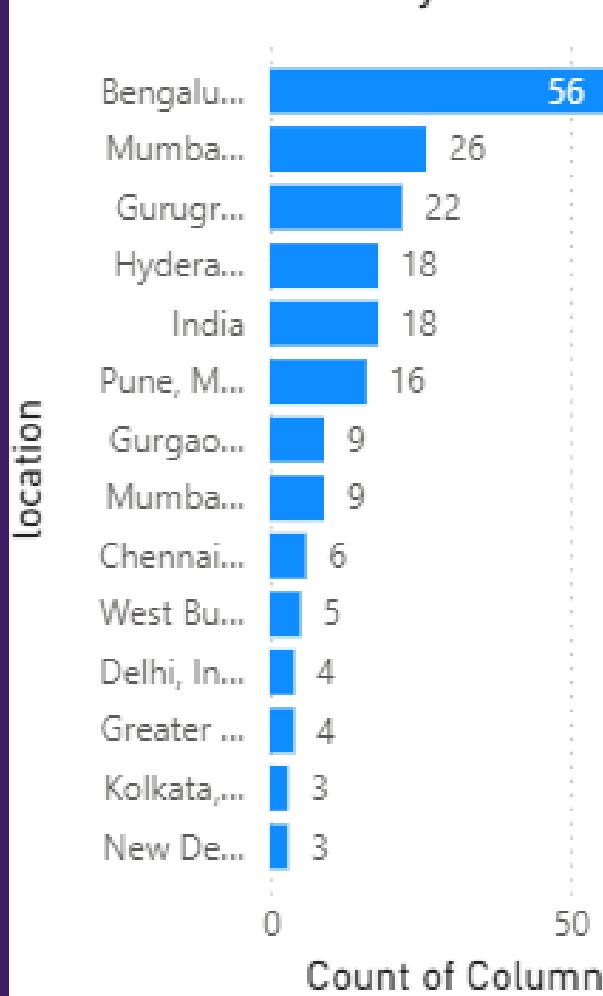
93,000+ Data Analysis jobs in India

**Business Analyst,**  
Deloitte  
Bengaluru, Karnataka, India  
Actively Hiring  
5 days ago

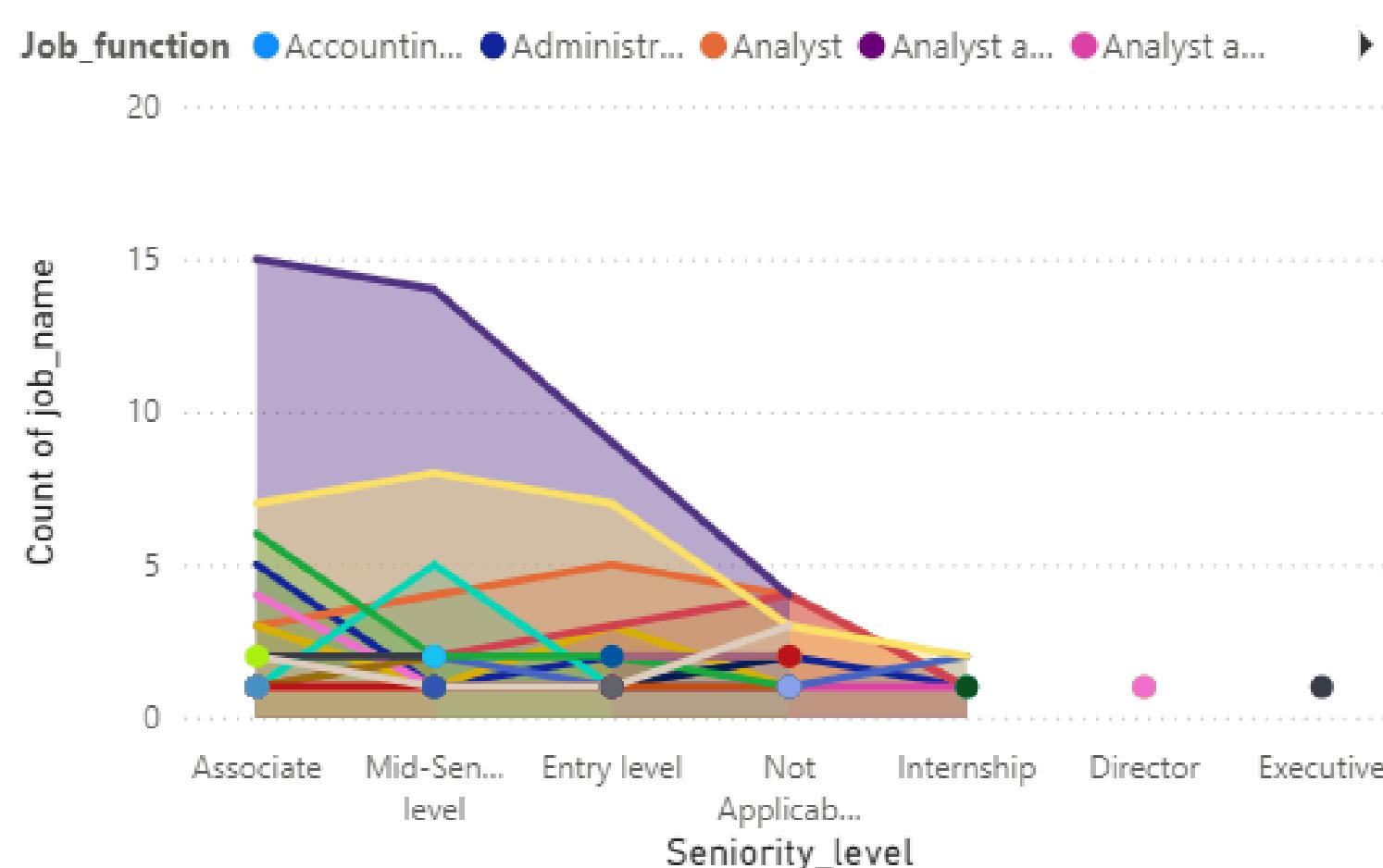
LinkedIn app promotion: Know when new jobs open up. Get the app.

<https://in.linkedin.com/jobs/view/business-analyst-at-deloitte-3947231429?position=1&pageNum=0&refId=jAqb%2Bu3vDw2cQWJmV4zeLw%3D%3D&trackingId=zaL%2Fidz5XAzd3eKxdkHLUA%3D%3D&trk=pub...>

Count of Column1 by location



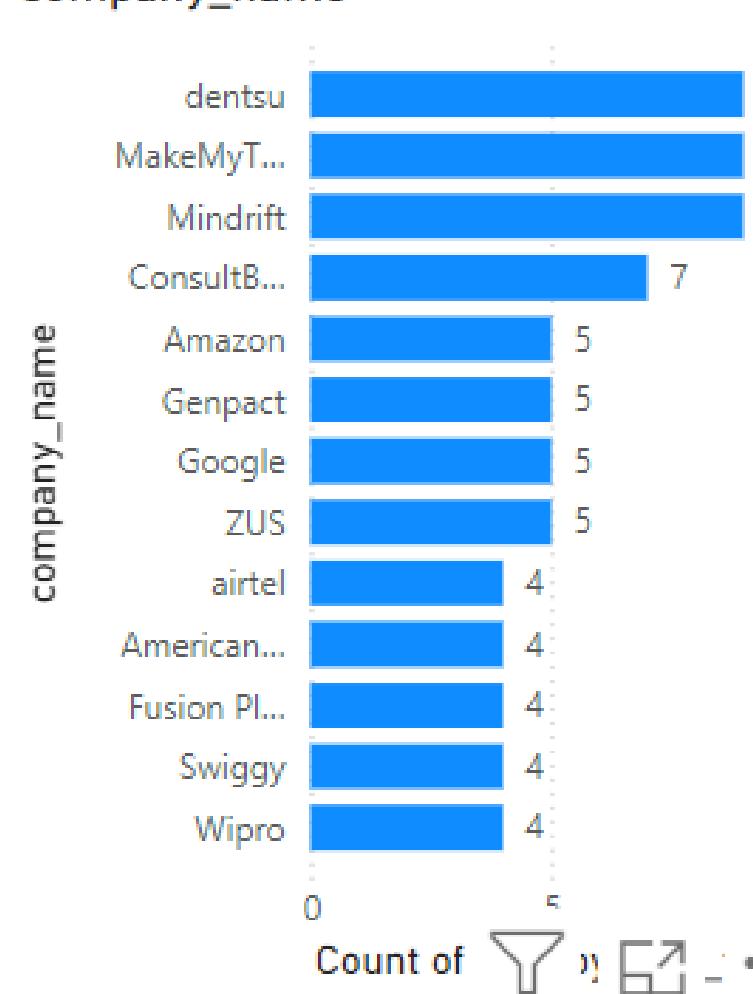
Count of job\_name by Seniority\_level and Job\_function



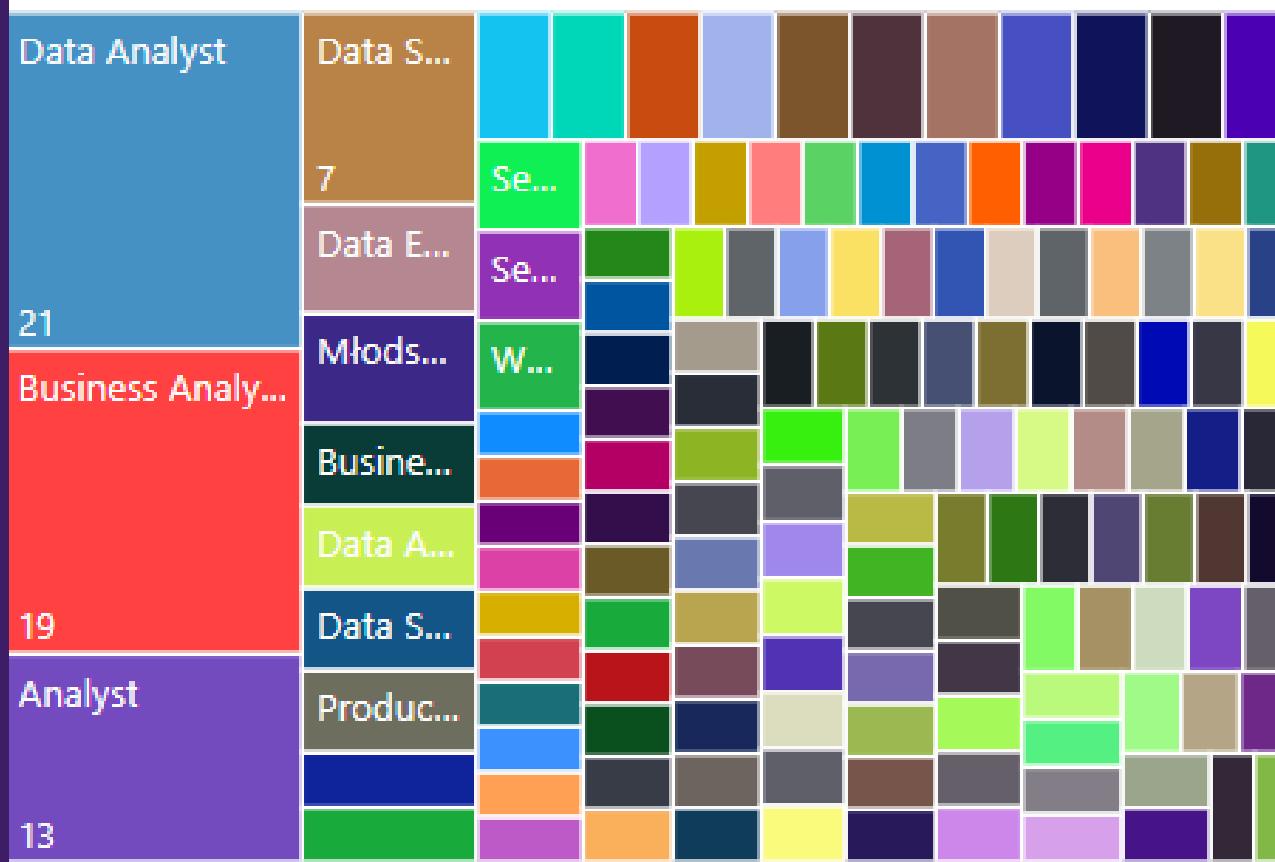
Contract

5	Count of company_name
223	Count of company_name
2	Count of company_name

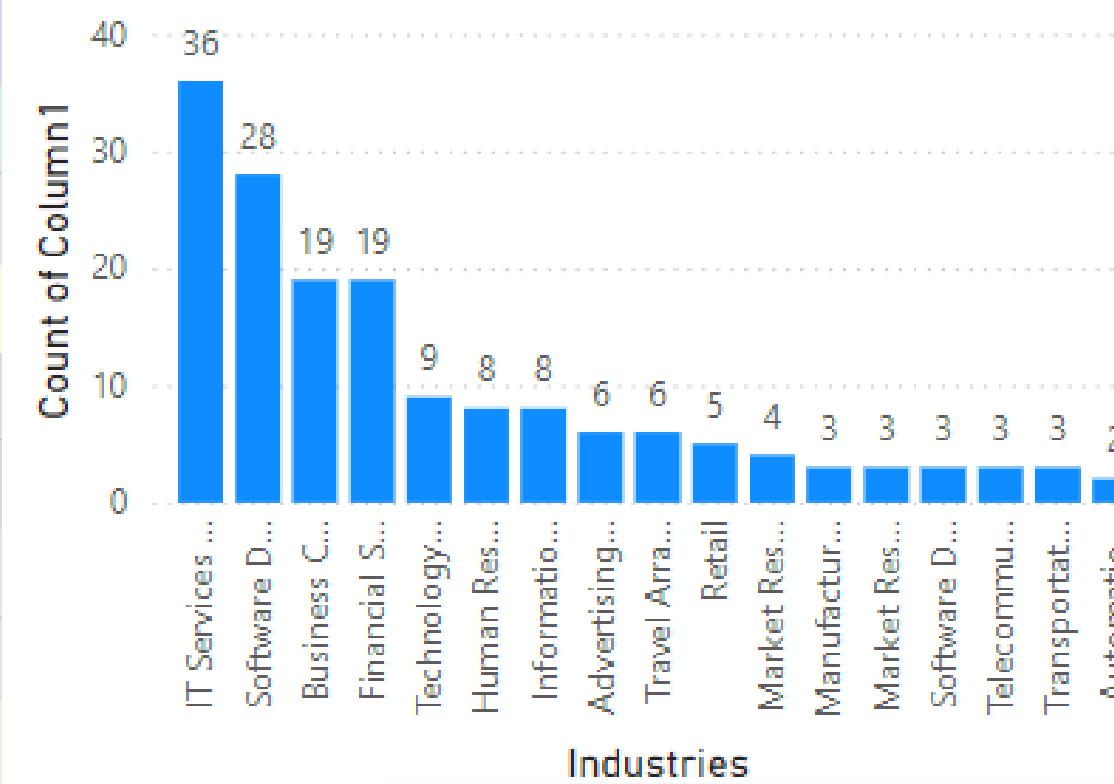
Count of Employment\_type by company\_name



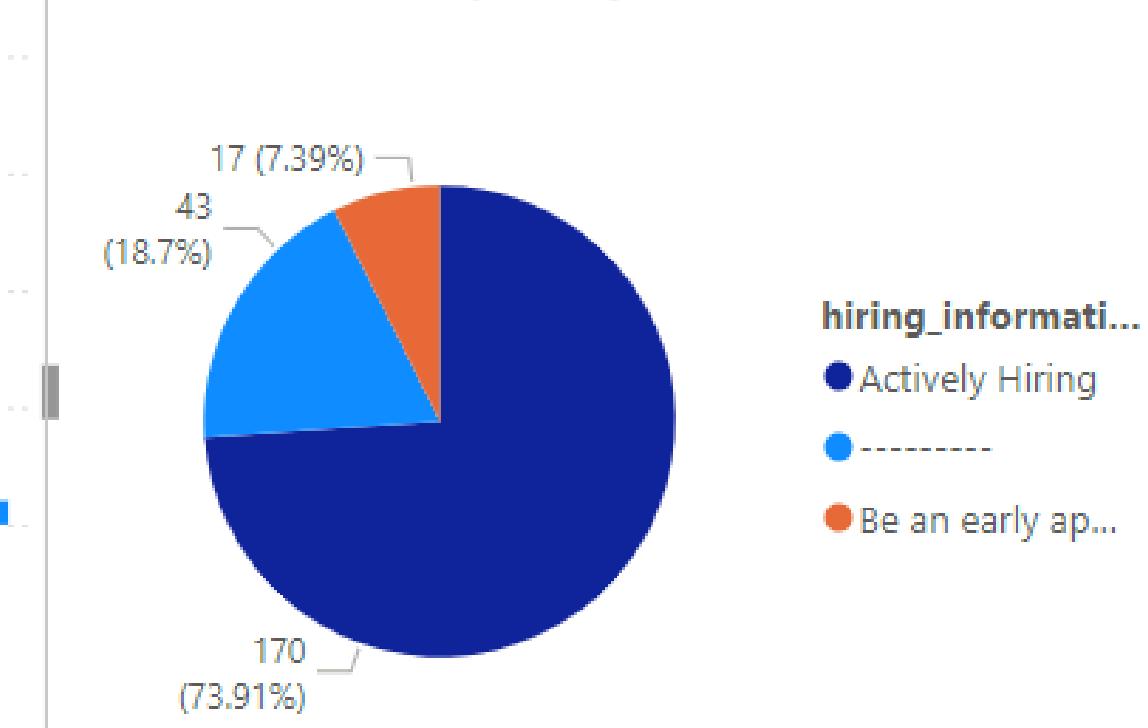
Count of Employment\_type by job\_name



Count of Column1 by Industries



Count of Column1 by hiring\_information





THANK YOU

