

Report: Job Portal Dashboard Creation Using Tableau - 1

Submitted by-

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1)Introduction

Tableau is a versatile data visualization software that can convert raw data into interactive and publicly dismissible dashboards. Tableau, with its user-friendly drag-and-drop interface, is commonly used for business intelligence and analytics in all types of industries. This project involves the creation of a job portal dashboard using Tableau, embedding it on a website, and hosting it on Netlify. This report outlines the step-by-step process, challenges encountered, and the learning outcomes derived from this project.

2)Background

In the project the dataset '**job_descriptions.csv**' is used. The dataset consists of job-related information such as job titles, roles, job posting dates, preferences, company information and so on, which are useful for analysis. Tableau's capability to process big datasets and apply complex filter, it is the ideal solution for the data analysis.

3)Learning Objectives

1. Develop proficiency in Tableau for creating interactive dashboards.
2. Learn to embed Tableau dashboards into websites.
3. Understand hosting and deployment processes using platforms like Netlify.
4. Obtain experience at using complex data filters to produce targeted visualizations.

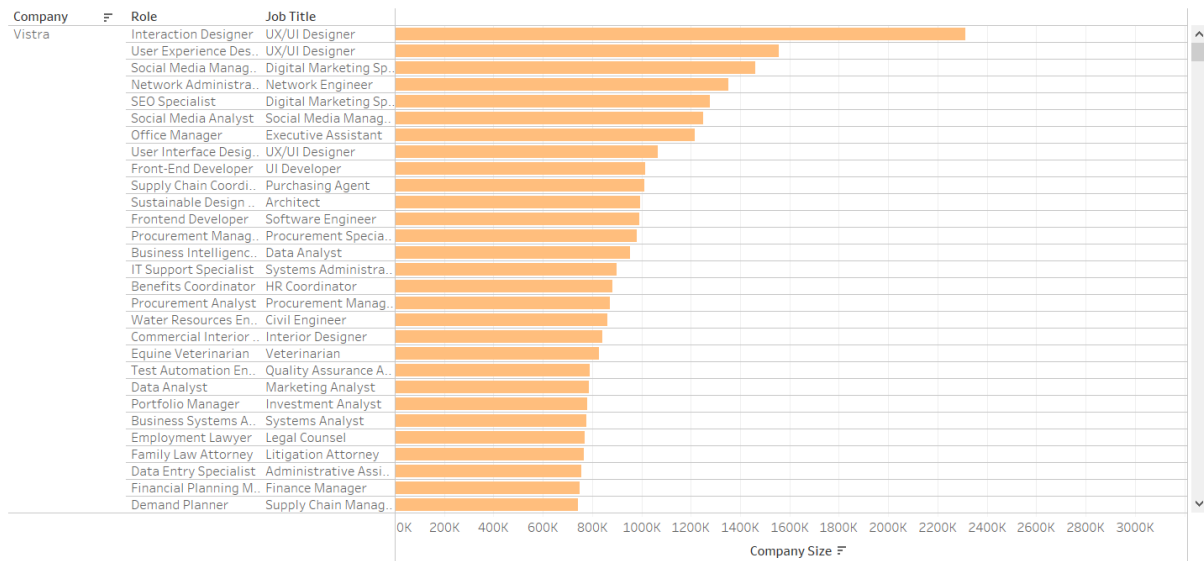
4)Activities and Tasks

4.1 Creating Charts

1: Company

Shows the stratification of different job types in the dataset.

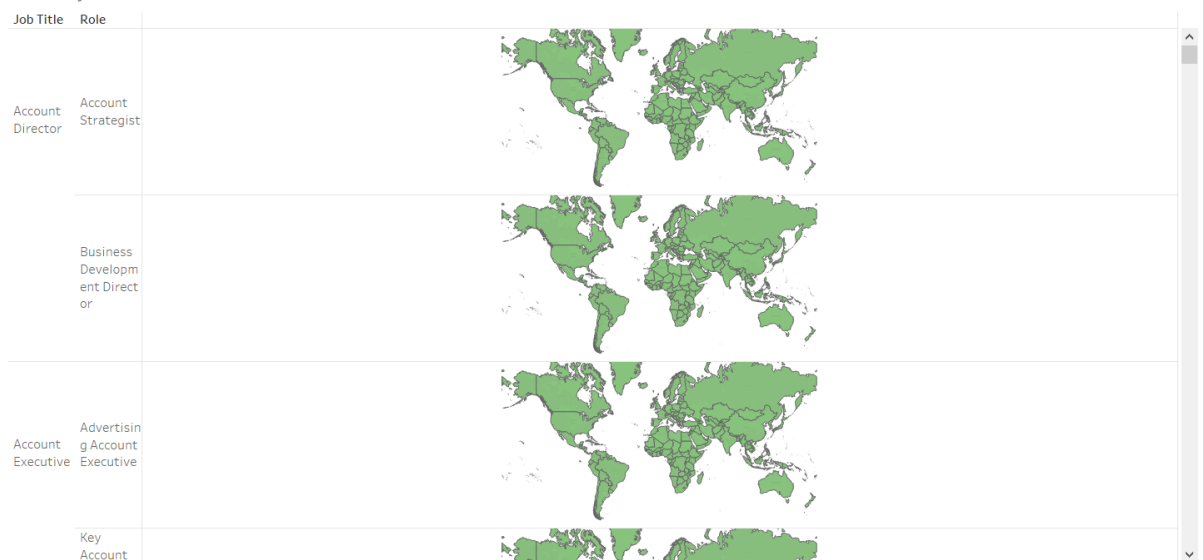
Company



2: Country

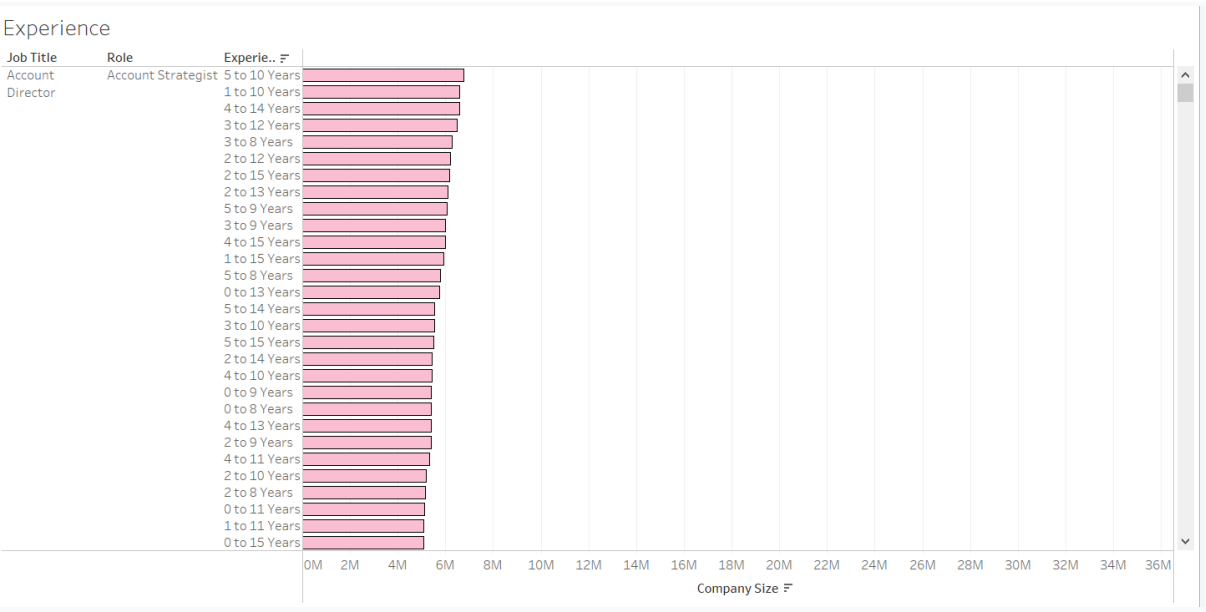
Highlights the number of job listings per company.

Country



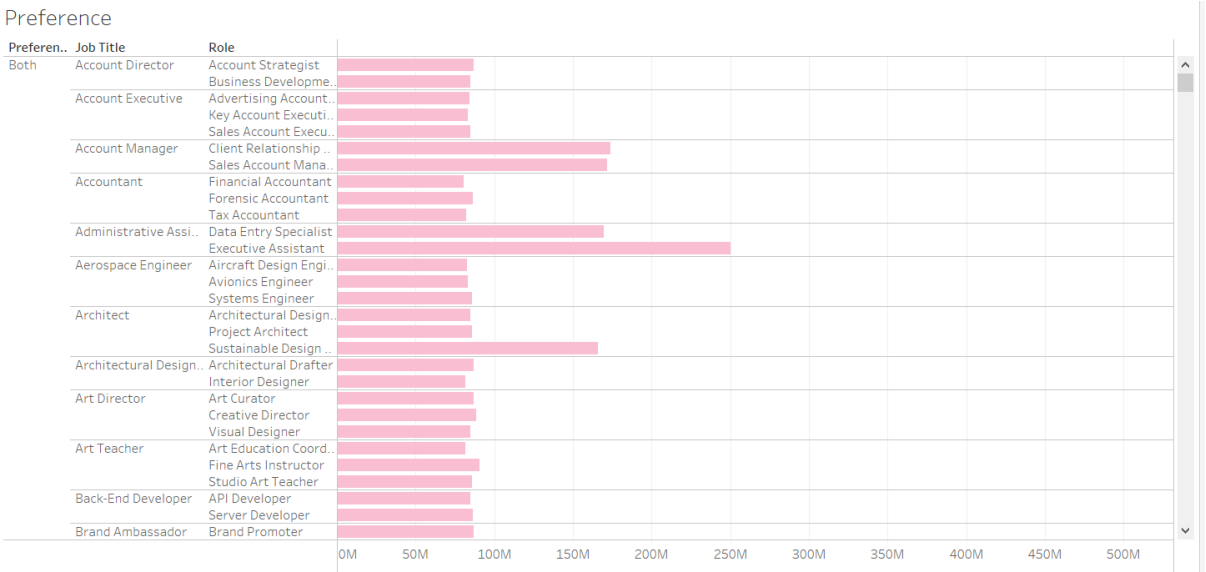
3: Experience

Examines the relationship between job types and required experience levels.



4: Preference

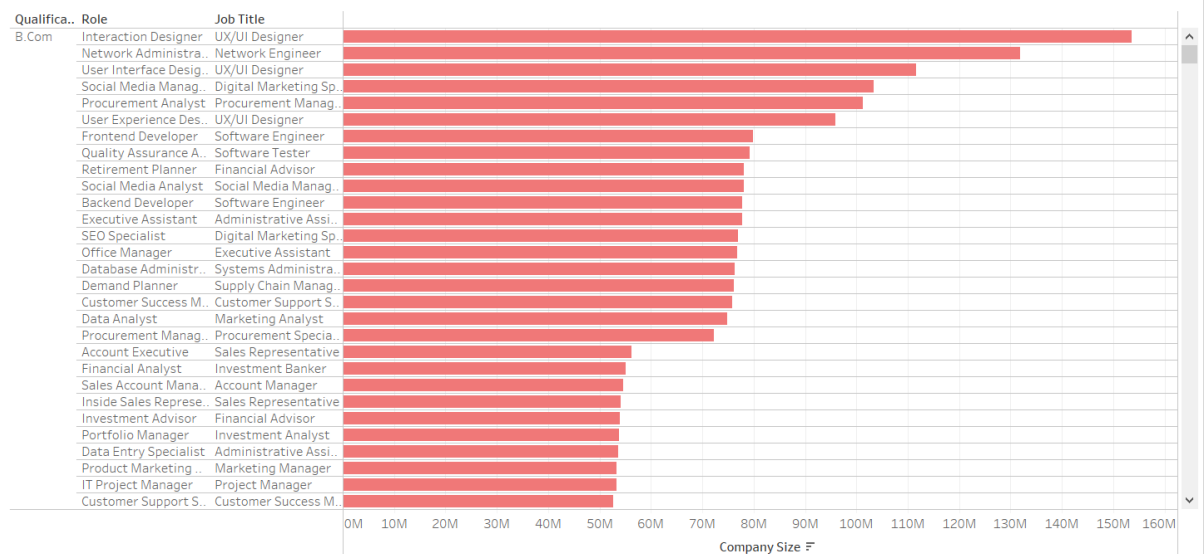
Show the preference for different job title and it's respective roles.



5: Qualifications

Shows the qualification distribution for different roles.

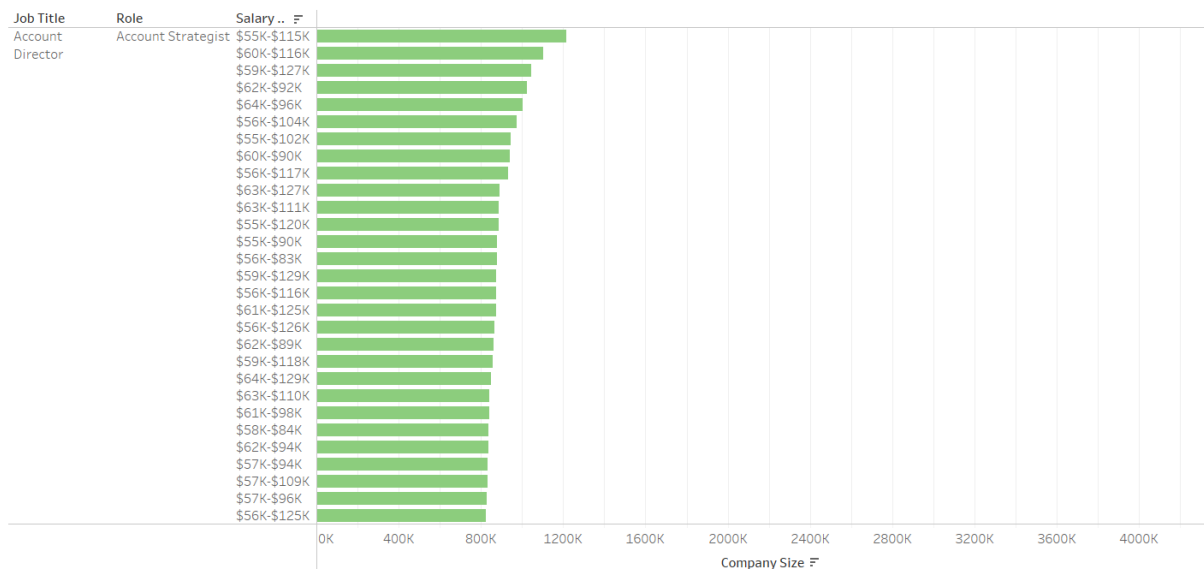
Qualifications



6: Salary Range

Shows the salary range for different job titles and it's respective roles.

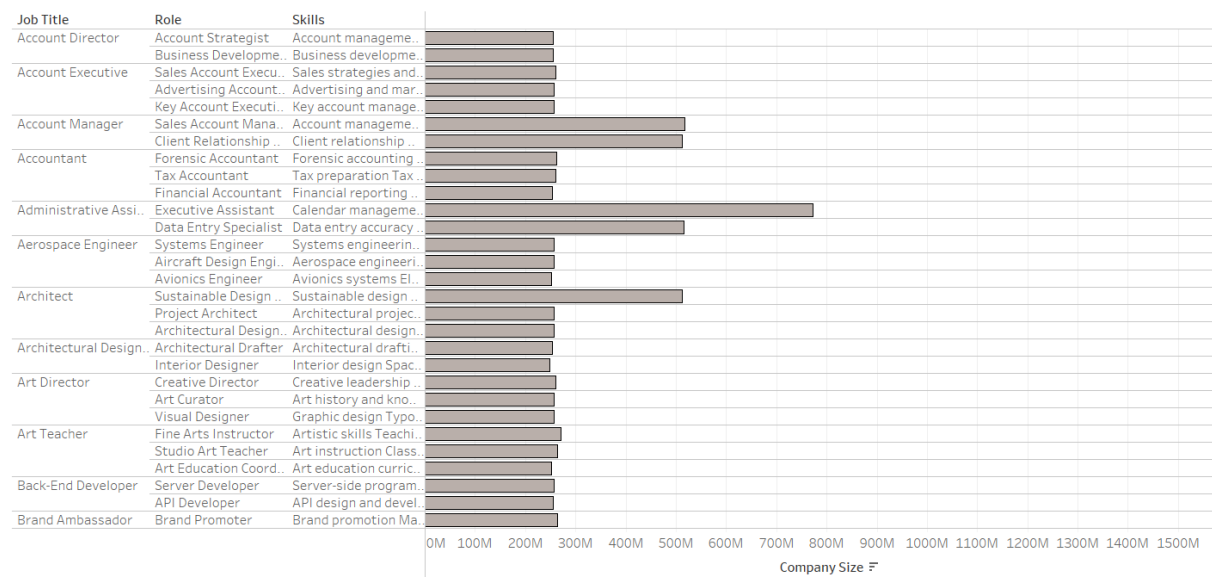
Salary Range



7: Skills

Shows the skills for different job titles and it's respective roles.

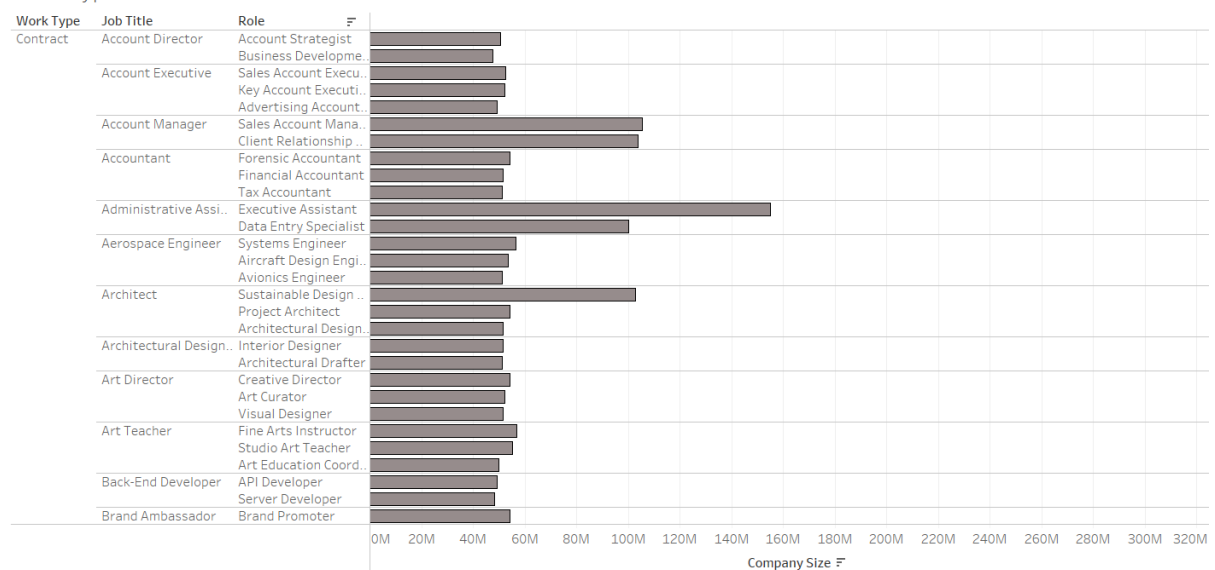
Skills



8: Work Type

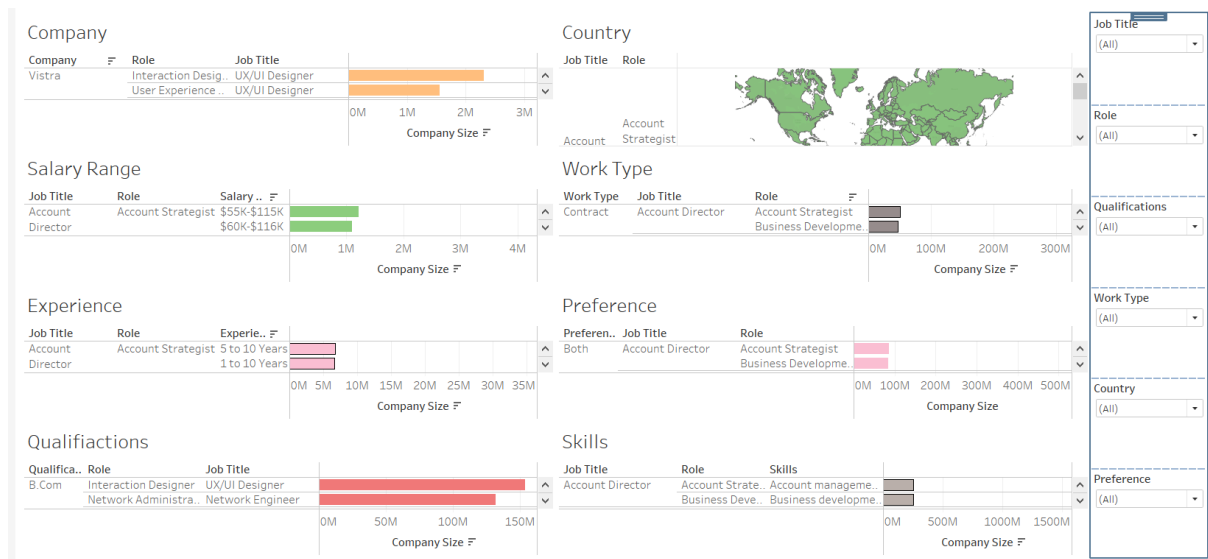
Shows the work type for different job titles and it's respective roles.

Work Type



9: Creating a dashboard

All these charts are placed now on the dashboard and the respective filters needed for the analysis are added to the right side of the dashboard.



4.2. Publishing, Embedding and Hosting

1. Dashboards were made available on Tableau Public
2. The embed code of the dashboard was changed in Visual Studio Code and executed locally with the "Go Live" checkbox.
3. The project folder was put on Netlify and the hosted url was created for public access.

5) Skills and Competencies

1. Data visualization using Tableau.
2. Embedding dashboards into websites.
3. Hosting websites on Netlify.
4. Application of filters to refine visualizations.

6) Feedback and Evidence

Feedback: The hosted website was inspected, and the usability of the dashboard was confirmed.

Evidence: The hosted dashboard can be accessed here - [netlify](#)

7) Challenges and Solutions

1. **Challenge:** Integrating eight charts into a cohesive dashboard layout.
Solution: Followed best practices for dashboard design by aligning charts logically and ensuring consistency in formatting.\

2. **Challenge:** Managing dataset size and applying filters effectively.

Solution: Applied filters judiciously to focus on relevant data points while maintaining performance.

3. **Challenge:** Embedding and hosting the dashboard.

Solution: Used the demonstration video as a guide and tested the hosted link for functionality.

8) Outcomes and Impact

1. Developed an interactive and informative job portal dashboard with a total of eight charts.
2. Improved Tableau skills, including advanced visualization techniques.
3. Successfully deployed and served the dashboard on the web (i.e., publicly available to use by external users).
4. Gained experience in project presentation and reporting.

9) Conclusion

This project showcased the versatility of Tableau in creating comprehensive dashboards. By combining eight distinct charts, the dashboard effectively presented critical insights from the dataset. The hosting process further demonstrated the integration of data visualization tools with web technologies, marking a significant step in practical learning and skill enhancement.