FREELANCING PLATFORM PROJECT

ABSTRACT
The project aimed to perform exploratory data analysis on a dataset to understand the distribution of different types of jobs based on various factors. The dataset contained information about job titles, categories, experience levels, budgets, and other relevant attributes. The analysis focused on examining the distribution patterns and relationships among these variables.

Kunal Devhare

Project Abstract: Freelancing Platform Project Dataset

Kunal Devhare : devharekunal8@gmail.com

1. Abstract:

The project aimed to perform exploratory data analysis on a dataset to understand the distribution of different types of jobs based on various factors. The dataset contained information about job titles, categories, experience levels, budgets, and other relevant attributes. The analysis focused on examining the distribution patterns and relationships among these variables.

2. Introduction:

The increasing popularity of freelancing platforms has led to a significant rise in the number of job opportunities available online. Understanding the characteristics and distribution of different job types is crucial for both freelancers and employers to make informed decisions. This project utilized a dataset to analyze and gain insights into the distribution of job types based on various attributes.

3. Problem Statement:

The project aimed to address the following questions:

1. How are the different job types distributed within the dataset?
2. What is the distribution of job types based on experience levels?
3. How does the distribution of job types vary across different categories?
4. How does location influence the distribution of job types?
5. What is the distribution of job types based on budget?

4. Feature Description

The dataset for this project consists of the following features:

1. Title: The title of the job posting.

2. Category Name: The category to which the job belongs.

3. Experience: The required level of experience for the job.

4. Sub Category Name: The sub-category to which the job belongs.

5. Currency: The currency in which the budget is specified.

6. Budget: The budget allocated for the job.

7. Location: The location where the job is based.

8. Freelancer Preferred From: The preferred location of the freelancer.

9. Type: The type of job (e.g., full-time, part-time, hourly).

10. Date Posted: The date when the job was posted.

11. Description: A description of the job

12. Duration: The expected duration of the job (if specified).

13. Client Registration Date: The registration date of the client.

14. Client City: The city of the client.

15. Client Country: The country of the client.

16. Client Currency: The currency preferred by the client.

17. Client Job Title: The job title of the client (if specified).

5. Challenges:

During the data analysis process, several challenges were encountered, including:

- Handling missing or incomplete data: The dataset may contain missing values or incomplete entries, requiring appropriate data cleaning and pre-processing techniques.
- Dealing with outliers: Outliers in the budget variable needed to be identified and removed to avoid skewing the analysis results.
- Visualizing and interpreting complex relationships: Understanding the relationships between different variables and presenting them effectively through visualizations posed a challenge.

6. Conclusion on Data Analysis:

The data analysis revealed the following key findings:

- Fixed price jobs were the most common type, followed by hourly jobs.
- Fixed price jobs were prevalent across various experience levels, while hourly jobs were more popular among experts.
- The design category had the highest number of job postings, while music and audio had the lowest.
- The United Kingdom had the highest number of fixed price jobs, while Canada had the lowest.
- The United Kingdom also had the highest number of hourly jobs, while Australia had the lowest.
- The budget distribution for fixed price jobs was higher compared to hourly jobs.

In conclusion, this exploratory data analysis provided insights into the distribution of job types based on different factors. The findings can be valuable for freelancers and employers seeking to understand the job market and make informed decisions regarding job type preferences, budget allocations, and target locations.