Job Market Analysis

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1 Introduction

2 Dataset Extraction

3 Data Pre-Processing

3.1 Data Description

4 Descriptive Data Analytics

4.1 Data Analysis

All the plots use `matplotlib` and `seaborn` for creating dynamic visualizations in Python. Map data for the world maps is downloaded from Natural Earth to plot the outlines of countries as seen in section **??**. There are also waffles, squarify, horizontal bars, pie charts, and another heat map in the artifact's images folder. For this, refer to appendix section 5.

5 Summary

Table 1: Used Topics from the Lecture

Topics	
Linux	Not used.
Text Editor	The python code was done in VS code editor.
Git	Git was used as a repository, with no specific details mentioned in the report.
Docker	Docker was to create the image.
Automation	The entire analysis was scripted in python(see section 2)
Gnuplot	Not used.
Matplotlib	Seaborn was used for producing plots.(See section 4
LaTeX	The report was written in LaTeX without any noteworthy details mentioned.
Juypter Notebook	Juypter notebook was used for data analysis,training the model.

References

1. Open Sources , github, kaggle, geeks -for -geeks.
2. Pandas Documentation, `https://pandas.pydata.org/docs/`
3. Matplotlib Documentation, `https://matplotlib.org/stable/index.html`
4. Pywaffle documentatio, `https://pywaffle.readthedocs.io/en/latest/`
5. Geocoding Geopandas Documentation, `https://geopandas.org/en/stable/docs/user_guide/geocoding.html`
6. seaborn Documentation, `https://seaborn.pydata.org/`
7. squarify Documentation, `https://github.com/laserson/squarify?tab=readme-ov-file#Documentation-for-Squarify`

Appendix

For the complete code, project details, and other different plots, please refer to the Git repository: [Git Repository Link](`https://github.com/freiburg-missing-semester-course/project-supu18-1`)