ANALYZING REQUIREMENTS FOR DATA ANALYST JOBS IN ALL STATES OF GERMANY

Data has always been my field of interest, although I worked as a Search Engine Optimizer for almost 2 years, I wanted to enter the field of data but the challenge was to start from the ground level. I wanted to know what are the requirements for a data analyst in Germany and thus I came up with this project idea.

The steps are broken down in the following steps:

1. **Ask:**
   - What skills are needed to become a data analyst, skills like what programming languages, tools, packages, etc.
   - I don't have a good grasp of German language, so what is the language criteria for this job, will English will be enough?
   - What is the average salary for a data analyst?
   - What level of education do companies prefer for us to have?
2. **Prepare:**
   - So, for this project, I build a spider that scrapes requirement and salary field from Indeed.de using scrapy for all the 16 states.
3. **Process:**
   - The requirements were some in English and some in Deutsch, so I translated all the fields into English and removed the stop words and clean the data for analysis.
4. **Analyze:**
   - So, from the cleaned data, I extracted the fields, separated into different data-frames and concatenated at the end.
5. **Share:**
   - The final data-frame was imported in Tableau and all the findings were presented in the dashboard.