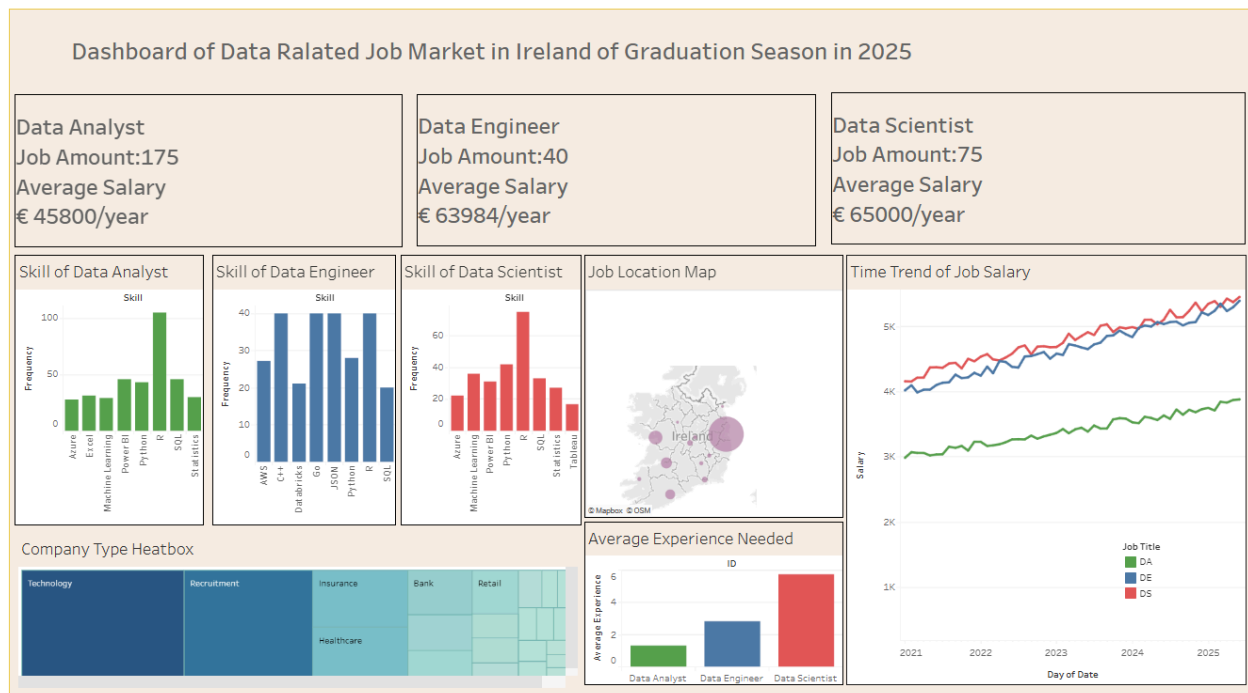




Data Analysis Report



Here is my dashboard of the project, and I will do my report on this.

So first the three boxes at the top show the basic information of three kind of jobs and as we can see, Data Analyst get the lowest Average Salary but the biggest amount of job. Data Engineer and Data Scientist is really close to each other.

Moving to the next part which are box charts show the frequency of different skills in job descriptions of three type of jobs, it is obvious that the skills of data analyst and data scientist get really close that focus on statistic programming language

such as R and python(maybe with pandas), SQL and data visualization platform such as powerbi and tableau. But of course, data scientist get more demand in Machine Learning skills. As for the data engineer, it is a little bit different with other two kind of jobs, this is a job that demand a lot of programming foundations given that this is a job that focus on data pipeline building and more close to a develop job.

In the job location map, I make a heat map of job amount in different places in Ireland, more the purple prototype range bigger, more jobs in the specific city or county. As we can see, most of job opportunities is in the capital city Dublin which total amount of job is 152, and there are also many jobs located in Limerick, Cork and Galway which are other big cities in Ireland.

Down to the Company Type Heat box , I conduct some statistics which the goal is to count the company types that need the most data-related job, and the final result is on the dashboard, the first five company or type of industry is technology, recruitment, insurance, healthcare and bank.

Next to the heat box there is a chart shows the average job experience needed to land a data job. The differences is really obvious to see that data analyst, data engineer and data scientist showing a gradual upward trend.

At the last part of salary trend, we can tell that this kind of job get a really well paid salary and it is in a good upward trend from 2021 till now although a little ups and downs in the process.

Through observation and analysis of data and icons, There are many very practical advice for students:

1. Start as a data analyst might be the most easy and reasonable choice, according to the lowest experience needed and the large demand.

2. Get familiar with the top industries that demand data a lot or even the data-driven companies, it will make a job landing more easy.
3. live or get a school near the big cities in Ireland, the bigger job market of it can be beneficial.