

PROBLEM RECAP

A global consulting firm has accumulated vast amounts of data on company layoffs across multiple countries. This data spans various sectors, job roles, and regions, reflecting significant changes in the global workforce. However, they lack the in-house expertise to effectively analyse and interpret this data. They need a data analyst to help them uncover critical insights to guide their advisory services.

The firm's main objectives include:

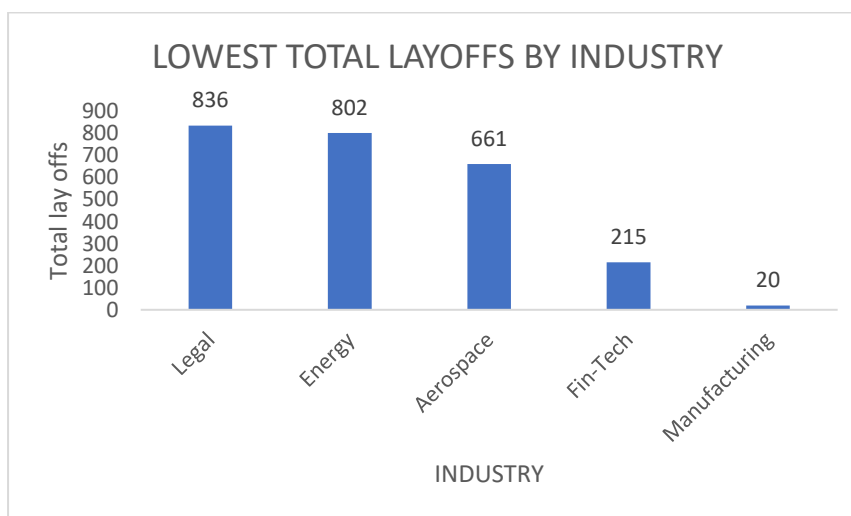
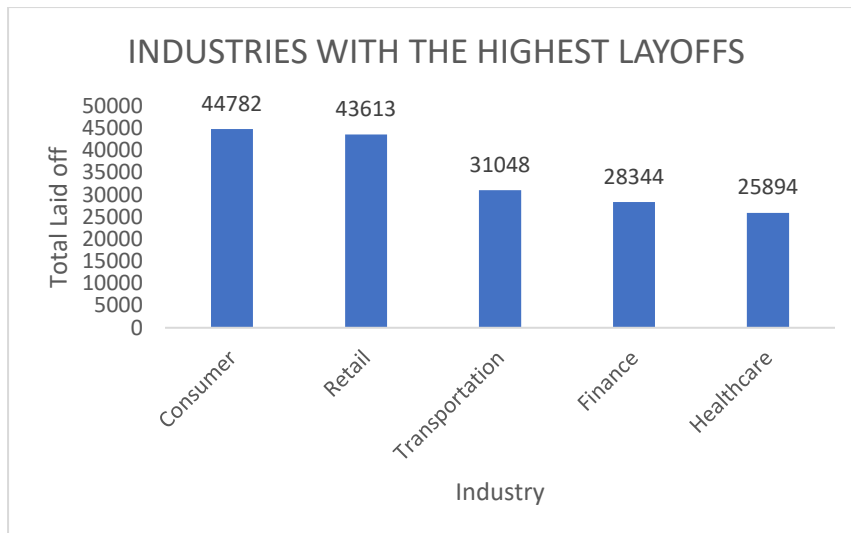
1. **Identifying High-Risk and Low-Risk Sectors:** Understanding which industries are experiencing the highest rates of layoffs, potentially indicating vulnerability or market shifts. This information could guide their clients on where to focus or diversify investments.
2. **Assessing Economies at Risk:** Using layoff data to identify regions or countries where job losses are heavily concentrated, potentially signalling economic instability. Insights from this analysis could help governments, NGOs, and multinational corporations plan interventions or investments to support struggling economies.
3. **Detecting Declining Demand for Certain Job Types:** Observing trends where certain roles or skillsets are consistently associated with layoffs, such as those susceptible to automation or outsourcing. This analysis could inform reskilling programs, future talent development, and workforce planning strategies for clients.

PROCESS

1. DATA UNDERSTANDING
2. DATA CLEANING
3. DATA MODELLING
4. DATA ANALYSIS
5. UNCOVER INSIGHTS

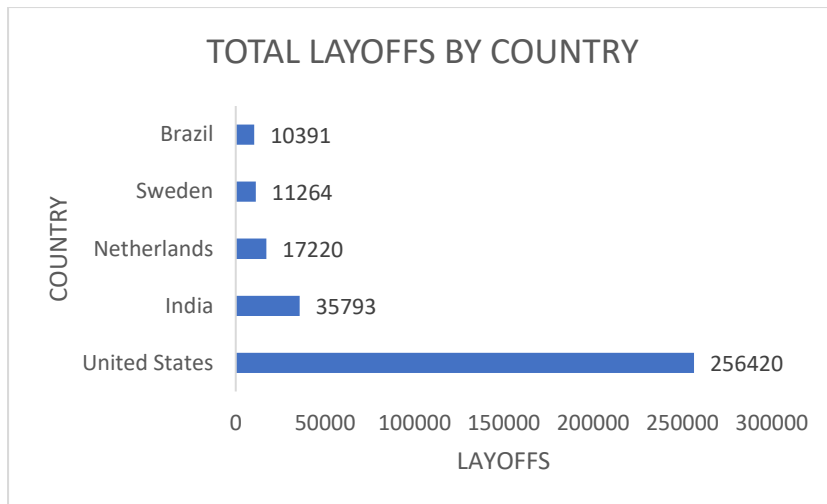
INSIGHTS

1. High and Low-Risk Industries



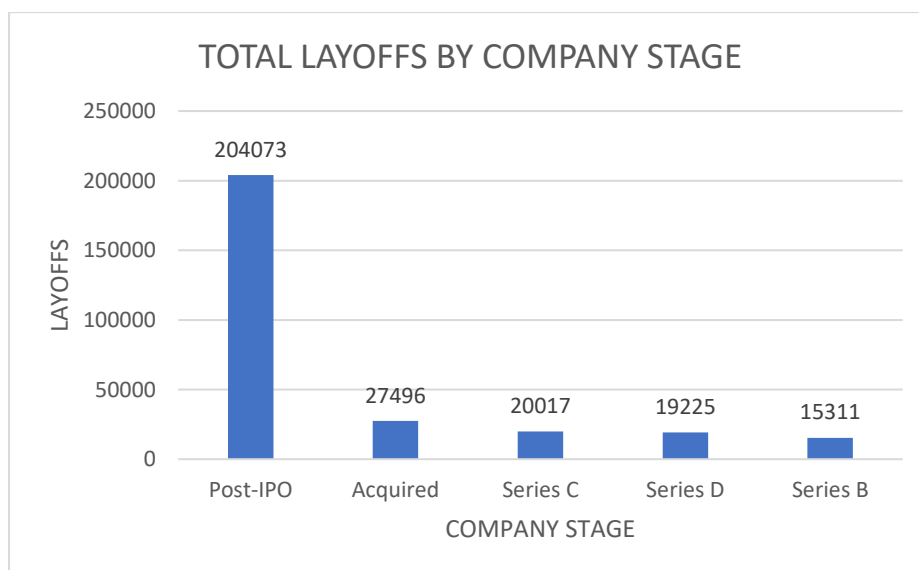
- Consumer, Retail, Transportation, Finance and Healthcare are the top 5 industries with the highest number of layoffs, while Manufacturing, Fin-Tech, Aerospace, Energy and Legal industries have the lowest number of total layoffs.

2. Countries with highest layoffs



- The United States of America has a very high number of layoffs compared to other countries with high layoffs.

3. Company stages with the most layoffs



- Companies at a Post-IPO stage have a considerably large number of layoffs compared to other stages with a high number of layoffs. The other company stages with a high number of layoffs are Acquired, Series C, Series D and Series B

SUMMARY

Companies in the Post-IPO stage experience the highest layoffs, followed by those in the Acquired, Series C, Series D, and Series B stages. The United States leads in layoff numbers compared to other

countries. The industries with the most layoffs are Consumer, Retail, Transportation, Finance, and Healthcare, while Manufacturing, Fin-Tech, Aerospace, Energy, and Legal report the fewest.