**Title: An Analysis of Industry Layoffs**

**Introduction:**

The Industry Layoffs Dataset from 2020 to 2023 is a compilation of data that provides insights into the trends and patterns of job losses across the whole world over the past three years. The purpose of this analysis is to examine the impact of layoffs on the labour market. The data used for this analysis was collected from a dataset on Kaggle that contains information on layoffs across various industries.

**Dataset and Dashboard Overview:**

The dataset consists of approximately 1108 rows and includes information such as the industry, company, number of employees affected by layoffs and the country where the layoff took place. We created a dashboard that shows the number of layoffs by industry, the year wise total layoff count, and the geographic location of layoffs across 963 companies distributed over multiple industries. The dashboard also includes interactive filters that allow users to explore the data in more detail.

**Analysis and Discoveries:**

Our analysis revealed several interesting trends and insights. For example, we found that the industries that were most affected by layoffs during the pandemic were consumer, retail, and transportation. We found that the COVID-19 pandemic had a significant impact on the labour market, with a sharp increase in layoffs across multiple industries in 2020. However, the number of layoffs in 2021 was minimal of all the years, probably because tech industry was at boom and hired a lot of employees. According to our analysis and research, the number then significantly increased in 2022 as an equalizer of over hiring that took place in 2021. Additionally, we discovered that layoffs were more prevalent in certain countries, such as the United States and India. The analysis also evidently stated that more layoffs are anticipated in 2023 which may surpass the counts of past years because only in 2 months of 2023, 78203 people have been laid off globally.

**Challenges:**

One of the main challenges we encountered was cleaning and formatting the data. We had to spend a significant amount of time identifying and correcting inconsistencies in the data to ensure that our analysis was accurate. There were companies that laid off multiple times, so it required a lot of research to determine their total employees each time to get an average. Another challenge was deciding which visualizations and filters to include in the dashboard. We had to balance the desire for interactivity with the need for simplicity and clarity in communicating our findings.

**Conclusion:**

Overall, our analysis provides valuable insights into the impact of the layoffs on industries, their employees, and the labour market. We hope that our analysis will be useful to the ones that are interested in understanding the effects of the layoffs on global economy.