

SF Bay Area lays off more employees than Africa, Asia, Europe and Oceania combined

Distribution of Worldwide Tech Layoffs Since Covid Hit

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One unsolicited layoff wave after another occurring even within high-profile companies, who is to say one has a lower risk of getting laid off than another?

Data was obtained from layoffs.fyi, statistics encapsulating the mass layoffs that have transpired in the tech sector since 2020.

Funds Raised & % Laid Off



Figure 1: Treemap of the top 20 cities with highest funds raised, grouped per country with colour intensified according to the average percentage of employees laid off per location

To identify the relationship between the amount of funds raised and the percentage of employees a company lays off, the depicted treemap may give one the idea that companies across most locations layoff roughly 25-50% of its workforce. Granted the map was based off of the 20 areas with the largest amount of funds raised worldwide, the trend of these influential companies' widespread layoff can be discretionary. Pittsburgh transcended 19 locations and terminated workers in its entirety. Detroit, on the other hand, had the most commendable retention rate among the most funded.

Layoffs Among the Wealthy 4

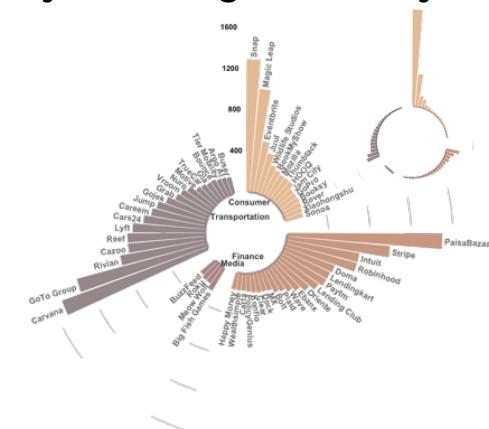


Figure 2: Circular bargraph of the top 60 companies with the highest layoff count abstracted from the 4 "richest" industries

Despite having the greatest affluence, the media industry is dwarfed by finance and transportation in terms of employee termination, and media leads the charts with the lowest figure. With Snap, PaisaBazaar, Big Fish Games and Carvana spearheading the consumer, finance, media and transportation industries, the numbers sum up to 4,530 already surpassing Africa and Oceania combined.

To preserve visibility, Meta and Twitter have been excluded from the main plot. Distinction from the 58 following companies is evident in the top righthand corner, with Meta surmounting 11,000 layoffs, and Twitter 3,700.

Across the Continents

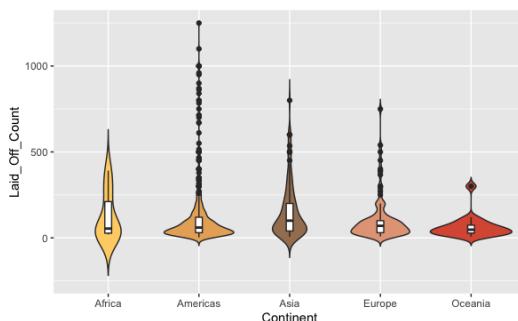


Figure 3: Violin plot of the number of employees laid off per continent

Individual boxplots are evident in respective violins, it is apparent that medians across the five continents are fairly comparable. As well, the continents have visibly left-skewed unemployment numbers, causing the violins to have a wider base. Due to the uneven nature of distributions, larger continents such as Americas, Asia and Europe have noticeably more outliers than that of Africa and Oceania.

Americas refer to the North and South truncated. The limit of the y-axis has been set to 1250 due to the significant difference in Americas' data with respect to the 4 continents. With no modification, Americas' figure reads a maximum value of 11,250.

Stages vs. Industries

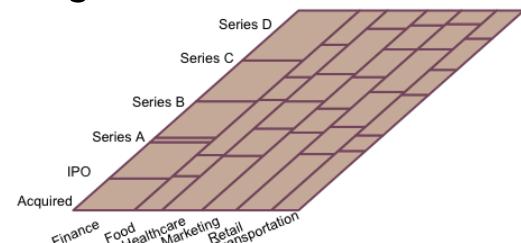


Figure 4: Skewed mosaic plot of the 6 most populated company stages against the 6 most populated industries

The above mosaic plot was constructed based on numbers of industry companies among the entire tech population. Finance dominates the with 200 firms, followed by Retail, Healthcare, Marketing, Food and Transportation, enumerating 121, 113, 103, 88 and 79 respectively. With the greatest proportion of Healthcare, Marketing, Retail and Transportation being Acquired, a strong relationship can be concluded between said sectors and stages.

The Unknown stage was omitted from the 6 most populated stages.

References

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