Startup Analysis Report

Date: 03/04/2023

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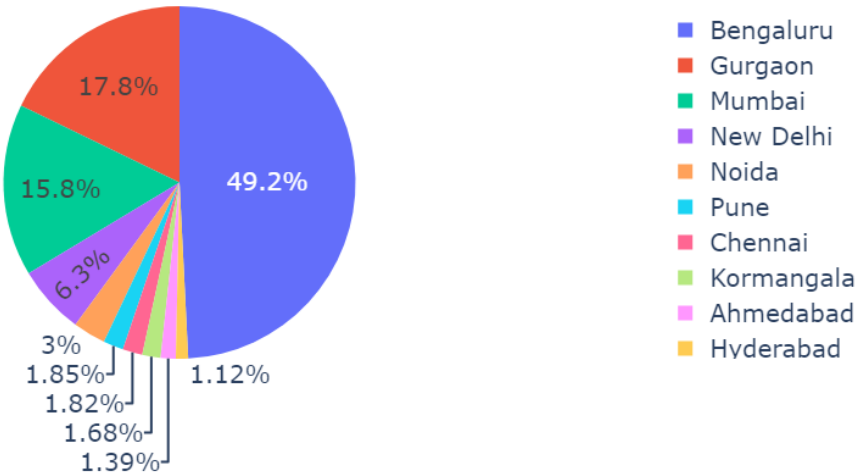
Top 10 places chosen by startup companies

1.Bengaluru is the home of the highest no of successful startups

2. 3/10 successful cities are from the northern side of India

Probability chances of a company belonging from a particular city

To find this, we calculated individual probability scores for a company by grouping number of companies per city and then using the formula i.e. no of companies for a city/total companies in India



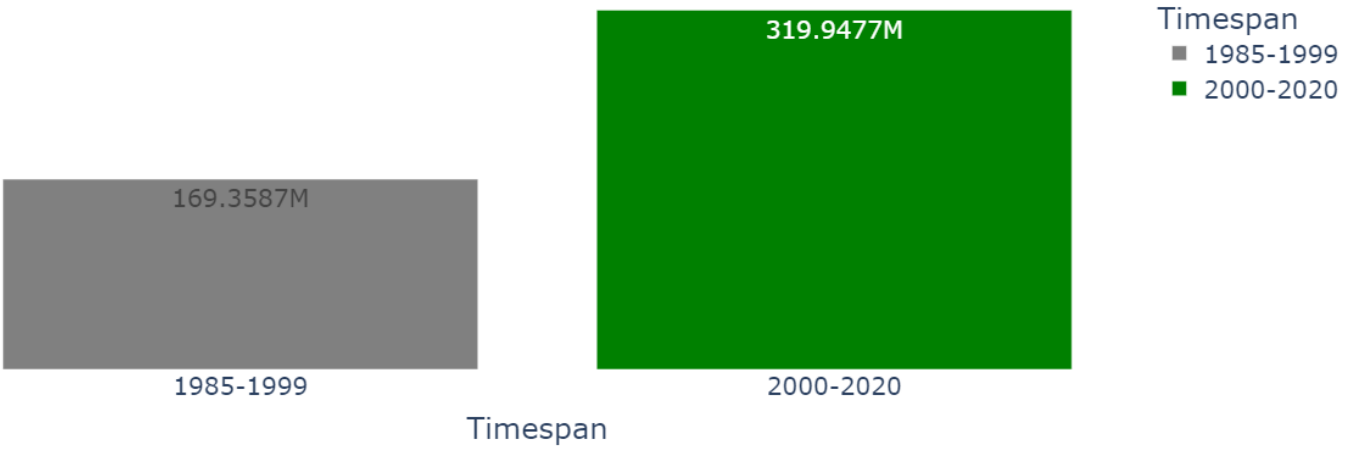
1.Bengaluru has the highest chance of hosting successful startups

2.Hyderabad has the least chance of hosting successful startups

3.New Delhi has a median chance of hosting successful startups

Avg Investment Amount Comprison(Before 2000 vs After 2000)

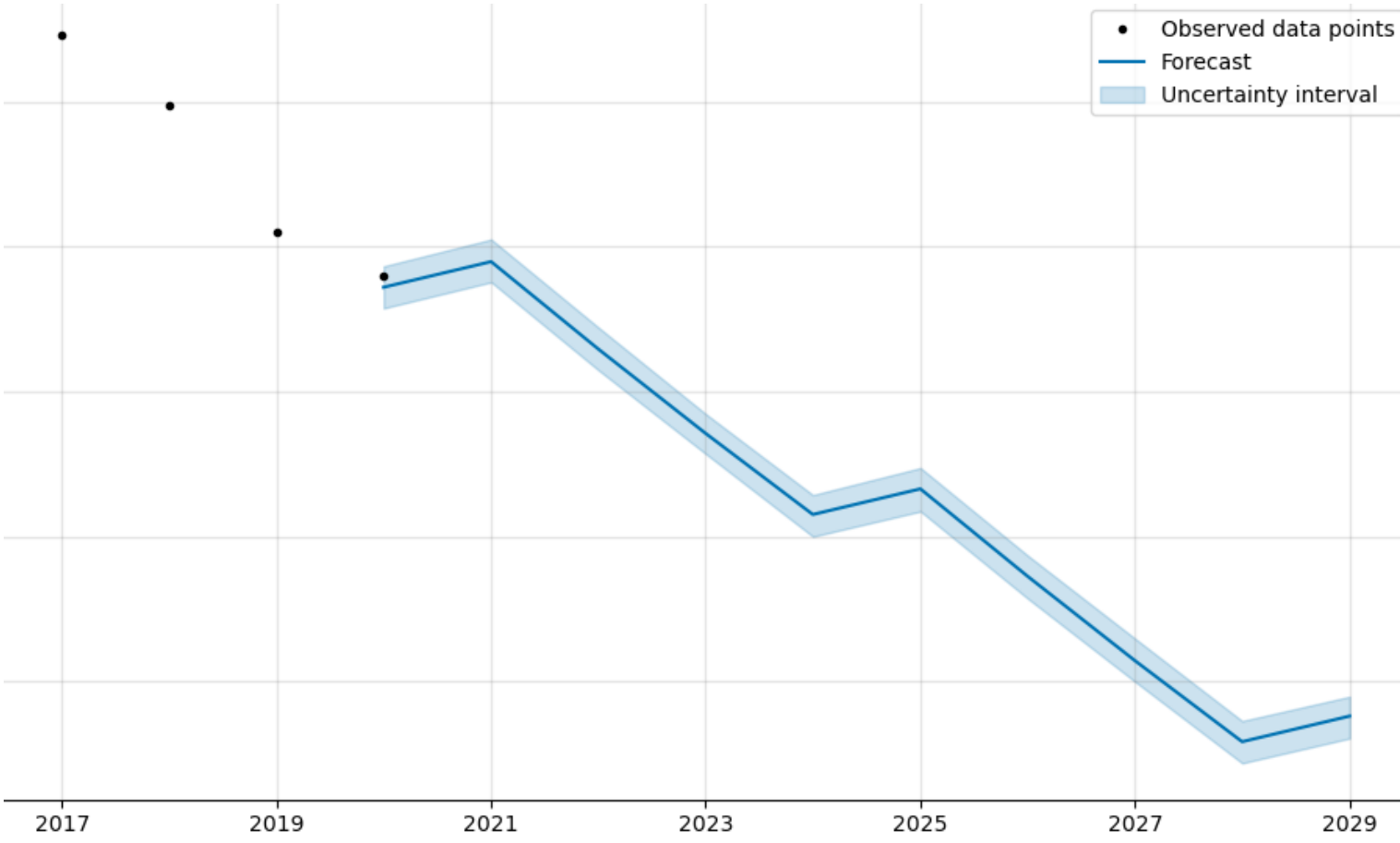
Here we grouped the two time periods and calculated the mean value of the total investment values, as per the data post 2000 saw a massive rise of new startups leading to an influx of investments



Post 2000's saw a massive growth of 1.8x in the amount of funds raised by successful startups

Investment Regression Analysis

Here we calculated median value of investments grouped by years(2016-2020) and then fit this data into a regression model facilitated by fbprophet which helped us to get a rough estimate of the future trends that can occur.



1.2021 will see a slight rise in funds raised, then will go on a declining spree uptill 2024

2.Overall, the median amount of investments will decrease in startups with time

3.Mid of each month seems like a great time to raise funds

Funding Round Z Score Analysis

In here, we isolated the funding rounds held by the companies and since the data was normally distributed, used z score analysis to get a better insight of the data distribution in hand. Percentile on basis of the z scores were calculated and following conclusions were drawn:-

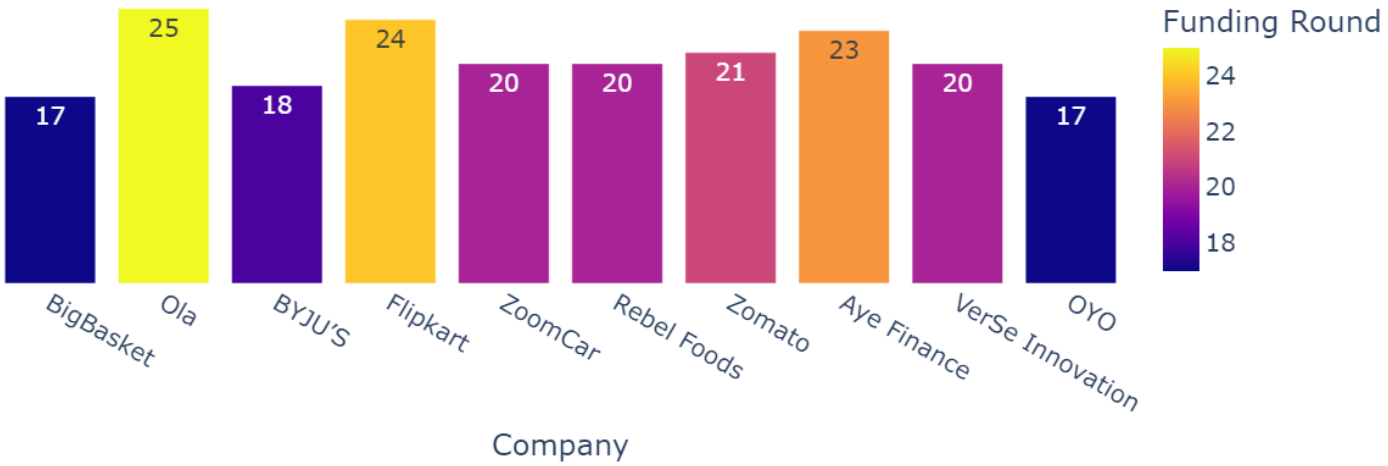
1.50-90% Companies have conducted their 1st to 17th funding round

2.<5% Companies have conducted their 17th to 25th funding round

3.20th round was the median funding round conducted by top 5% of the companies

4.5th round was the median funding round conducted by 50-90% of the companies

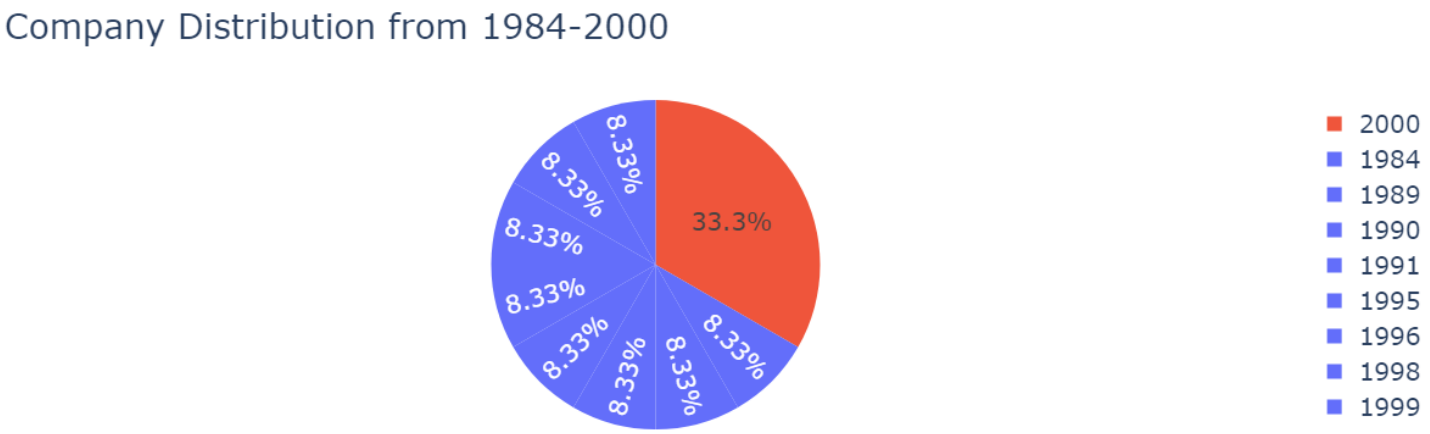
Funding Round for top 5% companies bar visualization



Starting Year Z Score Analysis

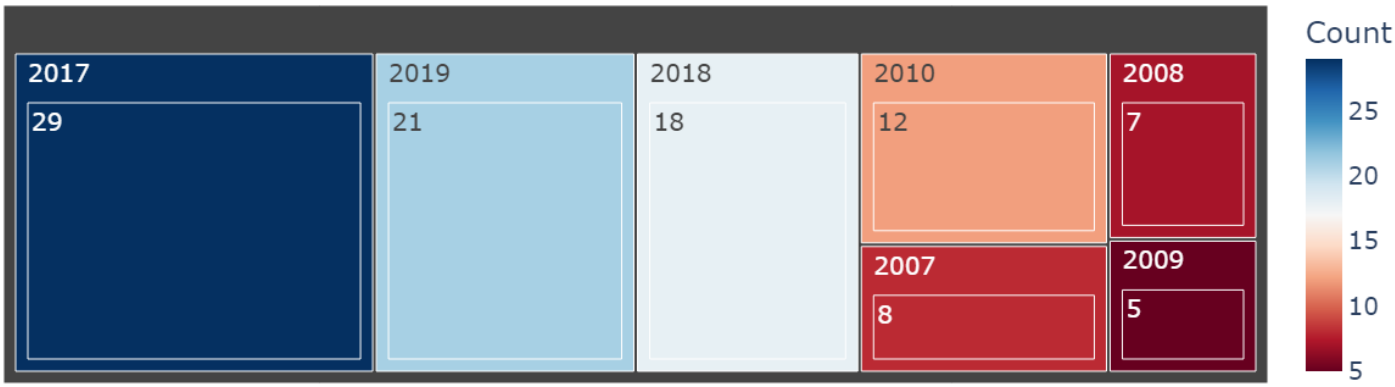
Z scores of normally distributed data of starting years were calculated and accordingly, percentiles of the same z scores were analysed and interpreted to get a better understanding of the data in focus and understand it's distribution

1.>5% Companies started their companies from 1984-2000



2.70-90% of the companies started their ventures from 2007 to 2019(i.e. majority of companies)

In here, we created a heatmap visualization of the year origin distribution for 70-90% of the companies which showed that in 2017 most of the companies were opened for this given sample population. Below visualization shows the heatmap distribution for the given data along with it's origin year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