**Venture Capital and Private Equity Dashboard**

**AIM**

The aim of this analysis is to understand the trends in Venture capital and Private equity investment over time, the distribution of firms by assets under management (AUM), and the geographical distribution of AUM.

**FEATURES**

* **Year:** Year of the data (numeric)
* **AUM ($B):** Assets under management in billions of dollars (numeric)
* **IPO Deal Value ($M):** Average value of initial public offering (IPO) deals in millions of dollars (numeric)
* **M&A Deal Value ($M):** Average value of merger and acquisition (M&A) deals in millions of dollars (numeric)
* **Number of Deals:** Number of venture capital deals with private equity involvement (numeric)
* **State:** US state (text)
* **AUM by State ($M):** Assets under management by state in millions of dollars (numeric)

**METHODOLOGY**

1. **Data Cleaning and Preparation:**
   * Imported the data into Power BI.
   * Checked for data consistency and accuracy.
   * Cleaned the data by Removing null, blanks
   * Transformed the data by using necessary functions like transpose, use first row as header.
   * Created necessary calculated columns or measures.
2. **Data Visualization:**
   * Created visuals to represent the key metrics and trends.
   * Used appropriate chart types to effectively communicate the data.

**OUTPUT**

**A screenshot of a graph

Description automatically generated**

**RESULT ANALYSIS**

**AUM ($B) by Year:**

* The total AUM in the venture capital and private equity industry has steadily increased over the years, reaching $1,000 billion in 2023.
* The average AUM per year was $503.26 billion.

**Distribution of Firms by AUM in 2023:**

* The majority of firms have AUM below $10 million.
* There is a smaller number of firms with AUM above $1 Billion.

**US VC Backed IPO and M&A Value:**

* The value of US VC-backed IPOs and M&A deals has increased over time, with a peak in 2020.
* The average IPO deal value was $69.90 million, while the average M&A deal value was $39.96 million.

**US VC Activity With PE Involvement:**

* The value of US VC deals with private equity involvement has increased over time, reaching a peak of 200 ($B) in 2020.

**AUM by State:**

* California has the highest AUM, followed by New York and Massachusetts.
* There is a significant variation in AUM across different states.

**SUMMARY OF ANALYSIS**

The venture capital and private equity industry has experienced significant growth in recent years, with increasing AUM and deal values over the analysed period.

The geographical distribution of AUM underscores the dominance of California as the industry epicentre, followed by New York and Massachusetts. This regional concentration highlights the importance of these states as hubs for innovation and investment.

The analysis of IPO and M&A deal values reveals a fluctuating trend, with a peak in 2020. While the subsequent years have witnessed a decline, the overall trajectory indicates a potentially lucrative exit environment for portfolio companies. The average deal sizes suggest a healthy investment climate, with opportunities for substantial returns.

The increasing number of VC deals involving private equity participation signifies a growing trend of collaboration between these two asset classes. This synergy can lead to larger deal sizes, increased investment capacity, and potentially higher valuations for portfolio companies.

**Key Findings:**

* Steady growth in total AUM and average AUM per firm.
* Concentration of AUM in below $10 million bracket.
* Dominance of California in AUM, followed by New York and Massachusetts.
* Fluctuating IPO and M&A deal values with potential for high returns.
* Increasing collaboration between venture capital and private equity.

**Implications:**

* The industry is maturing with a shift towards larger firms.
* Geographical concentration in specific regions offers both opportunities and challenges.
* The exit environment shows promise for investors.
* Collaboration between venture capital and private equity is a growing trend.