Business Analytics Dashboard

[Team 11]

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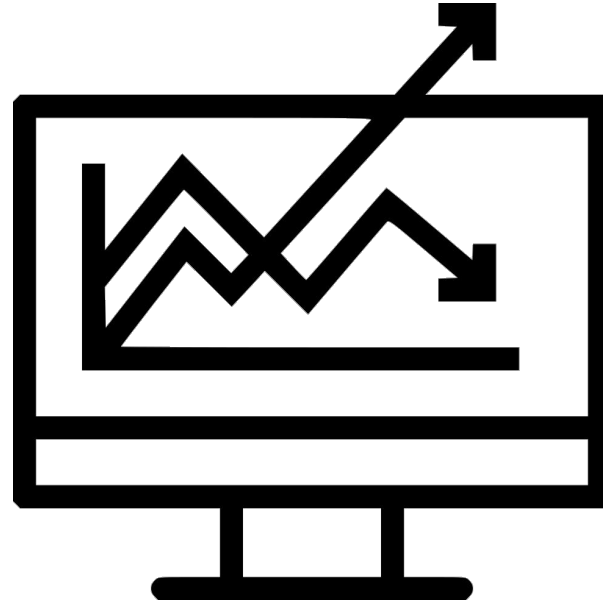
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Project Overview

Motivation :

- **Problem**

  - Most Profitable Market?
  - Competitors?

- **For Users**
  - Business Executives
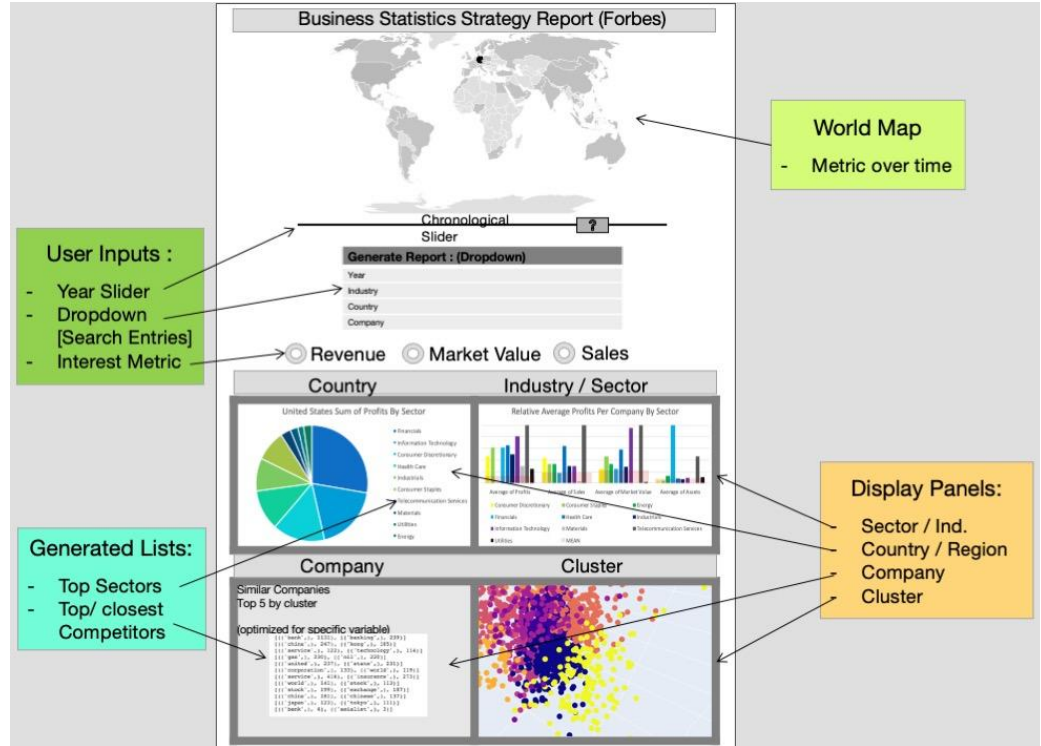 - Entrepreneurs & Investors

Business Analytics Dashboard

- **Solution Provided**

  - Analytic Dashboard

- **Insights Derived**

  - Business Strategy Insights

  - Competitive Landscape

Data

- **Source : Forbes Global 2000 Top Public Companies**
  - Individual 2008-2020 Datasets

- **Data Acquisition**
  - Combined Datasets
 - Scraped Company Descriptions
    - Source: Forbes & Wikipedia

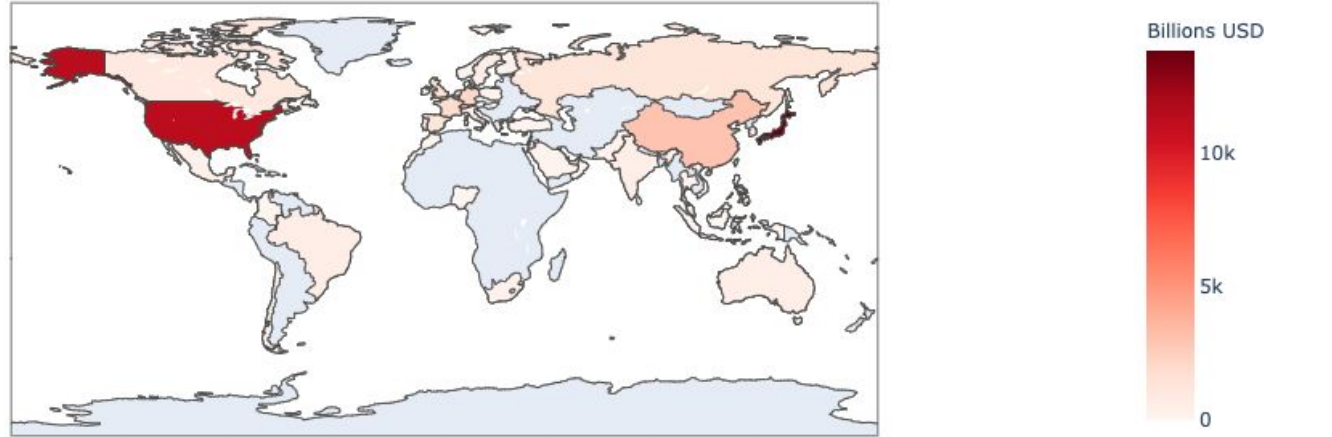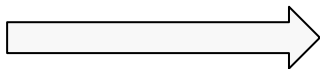|	Company	Sector	Industry	Country
5644	Banpu	Materials	Materials	Thailand
5645	PLUS Expressways	Industrials	Transportation	Malaysia
5646	UGI	Utilities	Utilities	United States
5647	Commercial International Bank	Financials	Banking	Egypt
5648	LAN Airlines	Industrials	Transportation	Chile
5649	Daishi Bank	Financials	Banking	Japan
5650	WEG	Industrials	Capital Goods	Brazil
5651	Abu Dhabi Commercial Bank	Financials	Banking	United Arab Emirates
5652	Thai Airways Intl	Industrials	Transportation	Thailand
5653	US Airways Group	Industrials	Transportation	United States
5654	Volcan Compania Minera	Materials	Materials	Peru
5655	Jyske Bank	Financials	Banking	Denmark
5656	Computershare	Industrials	Business Services & Supplies	Australia
5657	Grupa Lotos	Energy	Oil & Gas Operations	Poland
5658	Clearwire	Telecommunication Services	Telecommunications Services	United States
5659	Juroku Bank	Financials	Banking	Japan
5660	WHSP-WH Soul Pattinson & Co	Industrials	Conglomerates	Australia
5661	Dongfang Electric	Industrials	Capital Goods	China
5662	CGI Group	Information Technology	Software & Services	Canada
5663	Takashimaya	Consumer Staples	Retailing	Japan
5664	Shiga Bank	Financials	Banking	Japan
5665	Inventec	Information Technology	Technology Hardware & Equip	Taiwan
5666	Bolsas & Mercados	Financials	Diversified Financials	Spain
5667	Hyakugo Bank	Financials	Banking	Japan
5668	SSAB	Materials	Materials	Sweden
5669	Charoen Pokphand Foods	Consumer Staples	Food, Drink & Tobacco	Thailand
5670	Cliffs Natural Resources	Materials	Materials	United States
5671	Oriental Bank of Commerce	Financials	Banking	India
5672	StanCorp Financial	Financials	Insurance	United States
5673	Rohm	Information Technology	Semiconductors	Japan
5674	Dassault Systèmes	Information Technology	Software & Services	France

Data Analysis

- **Data Processing**

  - Feature Vectors from FastText + PCA projections for Clustering/Similarity

  - Linear Regression Model For Future Predictions

PCA_1=−0.5326374
PCA_2=−0.4855246
PCA_3=0.4871835
Company=Advanced Micro Devices
pca_cluster=5
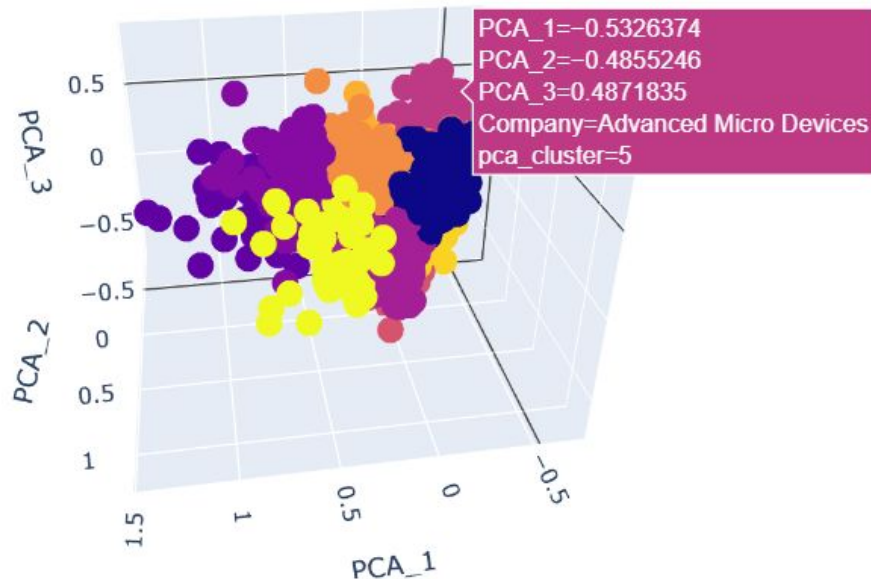
Geographic Analysis: Sales

Sectors Analysis: Geographic Location

United States ✕ ▾	Select a sector ▾	Select a company ▾

Country	Sector	Company	Cluster

Sales 2020 United States
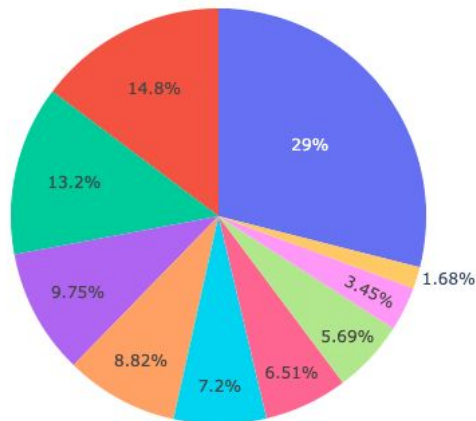
Legend:
- Financials
- Consumer Discretionary
- Industrials
- Energy
- Utilities
- Materials
- Information Technology
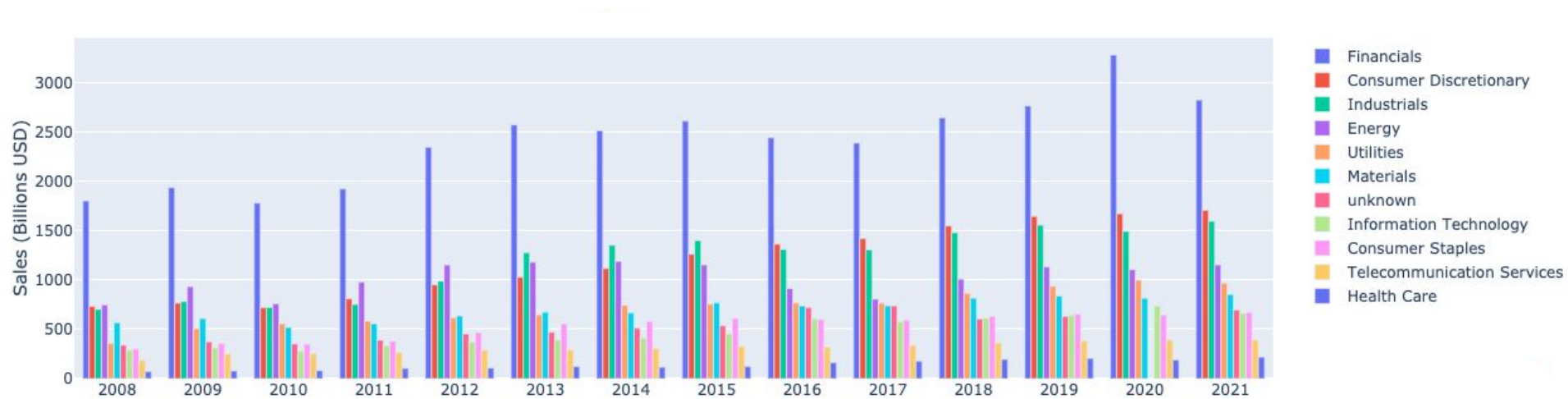- Consumer Staples
- Telecommunication Services
- Health Care

Pie chart values: 29%, 14.8%, 13.2%, 9.75%, 8.82%, 7.2%, 6.51%, 5.69%, 3.45%, 1.68%

Historical Analysis: Sector

Industry Analysis: Sector Specific
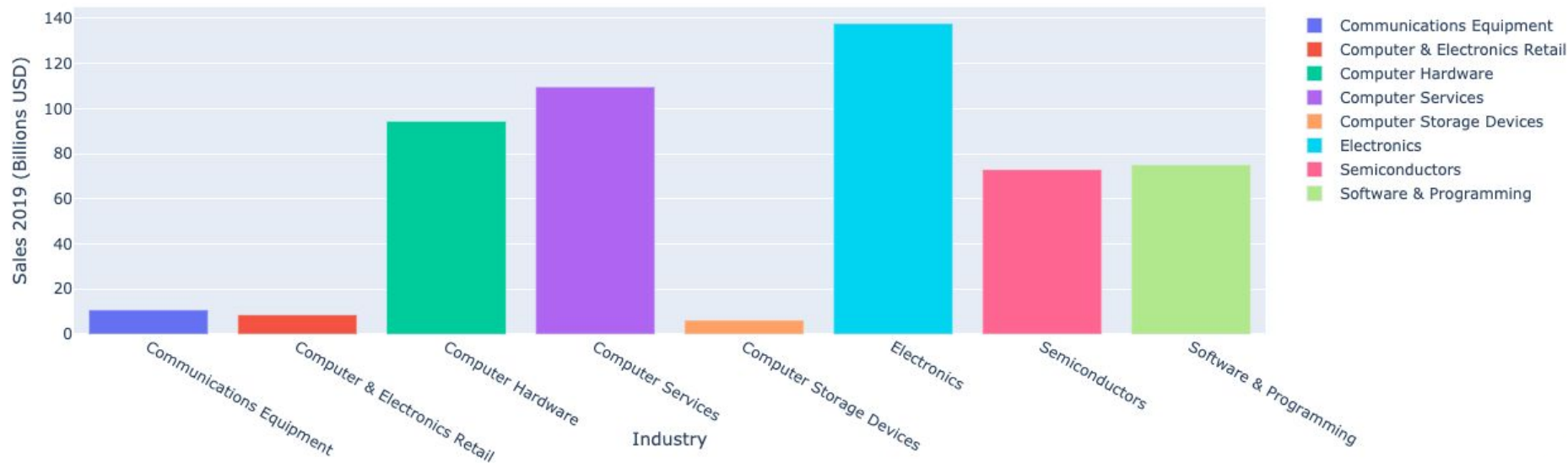
Historical Analysis: Industry
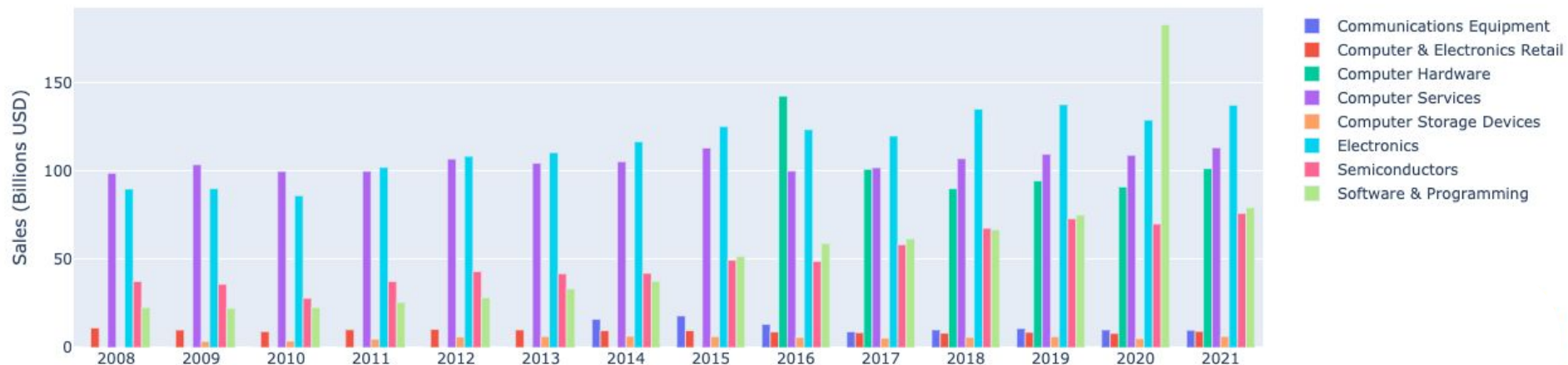
Competitor Analysis: Qualcomm

Historical Analysis: Qualcomm Competitive Landscape

Select a country ▾	Select a sector ▾	Qualcomm ✕ ▾

Country	Sector	Company	Cluster

Country: United States
Sector: Consumer Discretionary
Industry: Telecommunications services
Company: Qualcomm

Qualcomm: Closest Companies

Demo