FDI Analysis

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Introduction

The dataset has information on Foreign direct investment in India for the last 17 years from 2000-01 to 2016-17. This dataset contains sector and financial year-wise data of FDI in India Sector-wise investment analysis Year-wise investment analysis.

Details of Data

- Sector – Consists of name of the sectors
- Year Columns – Consists of years in which FDI were made

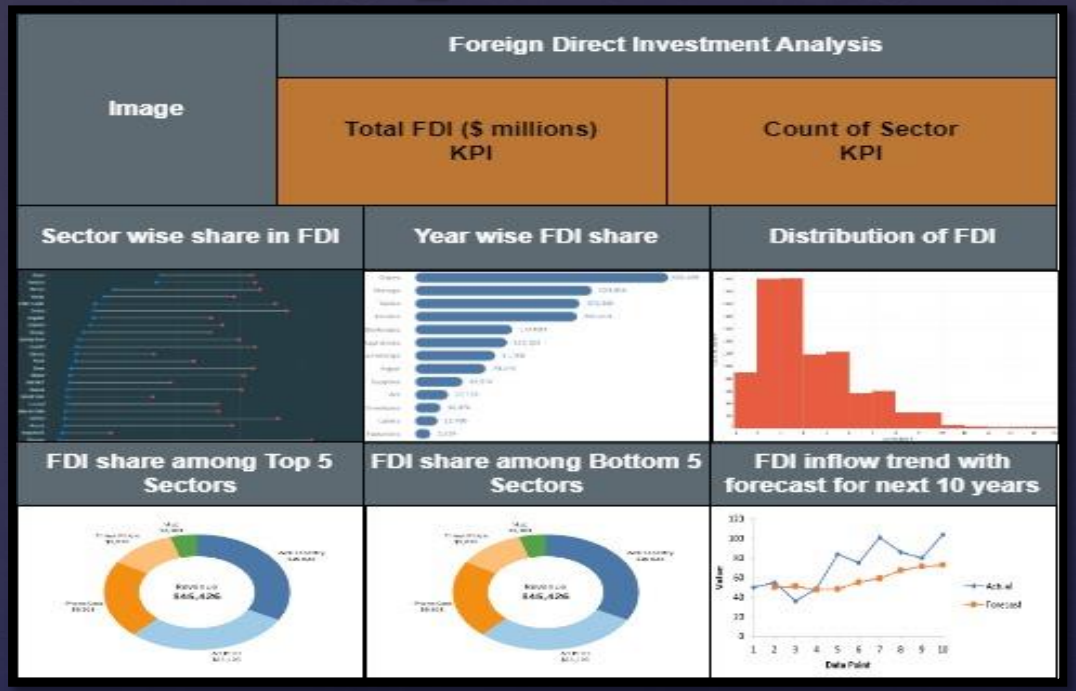
Data Cleaning

- It has been observed that there were no null values in the dataset .
- The sector names has been converted to proper text format from capital cases.
- The years have been formatted from YYYY-YY format to YYYY format for ease of forecast measurement.

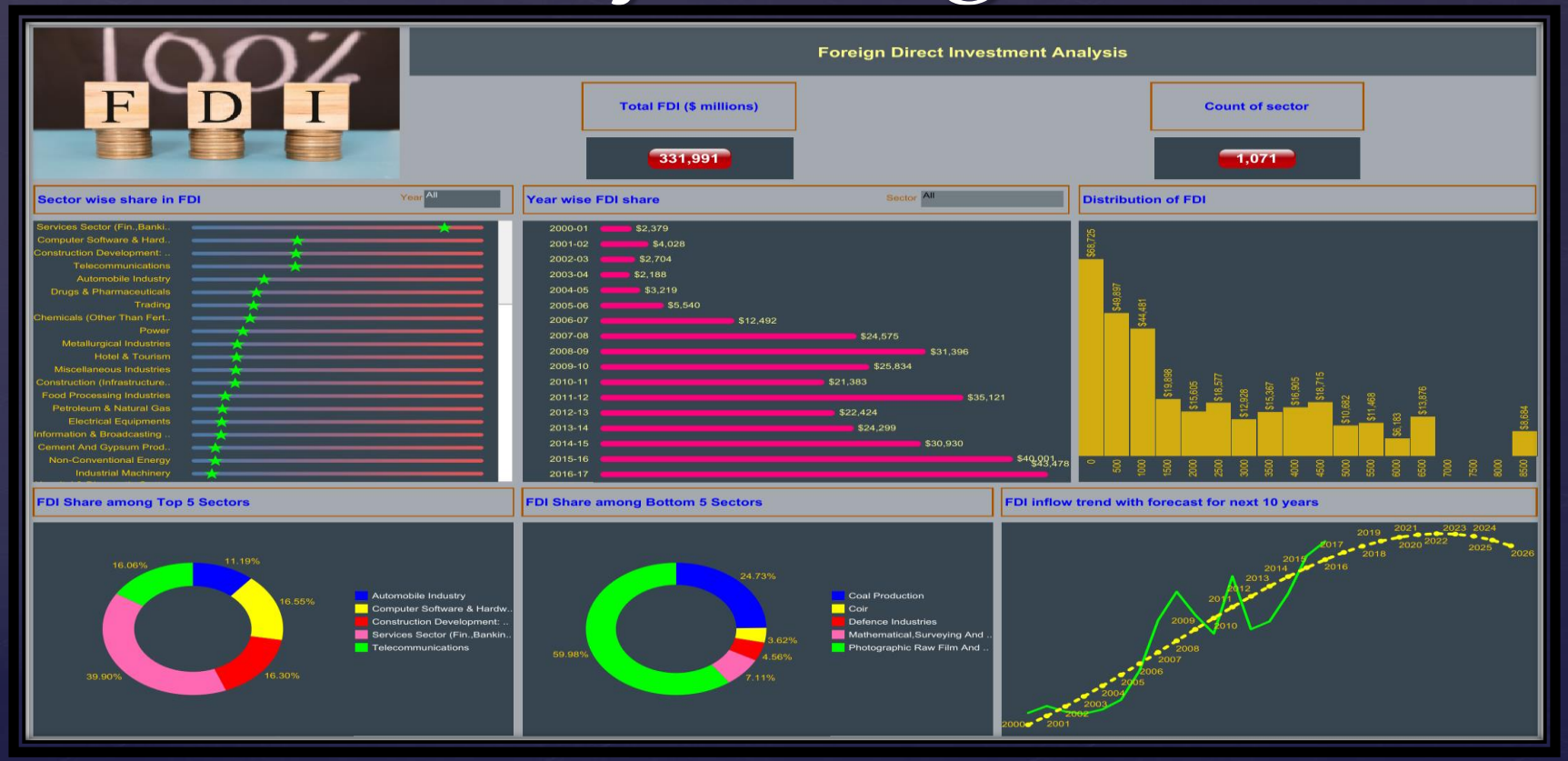
Charts and KPIs used

- Total FDI ($ millions)
- Count of sector
- Sector wise share in FDI (Progress Bar Chat with shapes)
- Year wise FDI share (Rounded Bar Chart)
- Distribution of FDI (Histogram)
- FDI Share among Top 5 Sectors (Donut Chart)
- FDI Share among Bottom 5 Sectors (Donut Chart)
- FDI inflow trend with forecast for next 10 years (Line chart with Exponential Smooth Curve)

Mock up Dashboard



My Design


Foreign Direct Investment Analysis
Total FDI ($ millions)
331,991
Count of sector
1,071
Sector wise share in FDI
Year All
Services Sector (Fin.,Banki..
Computer Software & Hard..
Construction Development: ..
Telecommunications
Automobile Industry
Drugs & Pharmaceuticals
Trading
Chemicals (Other Than Fert..
Power
Metallurgical Industries
Hotel & Tourism
Miscellaneous Industries
Construction (Infrastructure..
Food Processing Industries
Petroleum & Natural Gas
Electrical Equipments
Information & Broadcasting ..
Cement And Gypsum Prod..
Non-Conventional Energy
Industrial Machinery
Year wise FDI share
Sector All
2000-01 $2,379
2001-02 $4,028
2002-03 $2,704
2003-04 $2,188
2004-05 $3,219
2005-06 $5,540
2006-07 $12,492
2007-08 $24,575
2008-09 $31,396
2009-10 $25,834
2010-11 $21,383
2011-12 $35,121
2012-13 $22,424
2013-14 $24,299
2014-15 $30,930
2015-16 $40,091
2016-17 $43,478
Distribution of FDI
$68,725
$49,897
$44,481
$19,888
$15,605
$18,577
$12,928
$15,367
$16,905
$18,715
$10,882
$11,468
$6,183
$13,876
$8,684
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500
FDI Share among Top 5 Sectors
16.06%
11.19%
16.55%
39.90%
16.30%
Automobile Industry
Computer Software & Hardw..
Construction Development: ..
Services Sector (Fin.,Bankin..
Telecommunications
FDI Share among Bottom 5 Sectors
24.73%
3.62%
4.56%
7.11%
59.98%
Coal Production
Coir
Defence Industries
Mathematical,Surveying And ..
Photographic Raw Film And ..
FDI inflow trend with forecast for next 10 years
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026

Observations

- The Services sector accounts for the highest receiving FDI inflow across all years (~ 60K $ millions).
- Defense, Coal Production and Tea and Coffee are among the lowest receiving FDI over the years.
- 2016-17 has been the year of highest FDI inflow among all the years (~ 44K $ millions).
- There have been a sharp decline in the FDI inflow in the year 2012-13 (of ~ 13K $ millions) which is significant.
- Service sector and construction sector has the most share of FDI inflow over the years, around 40% and 16.30% respectively.
- Photographic raw film and coal production and defence has been the lowest sectors from FDI inflow viewpoint, around 60%, 25% and 5% respectively.
- At this trend, it can be forecasted that till 2022, the FDI inflow would increase to around 45K $ millions, then again it would see a downfall till 2026 to around 42K $ millions.

Thank You