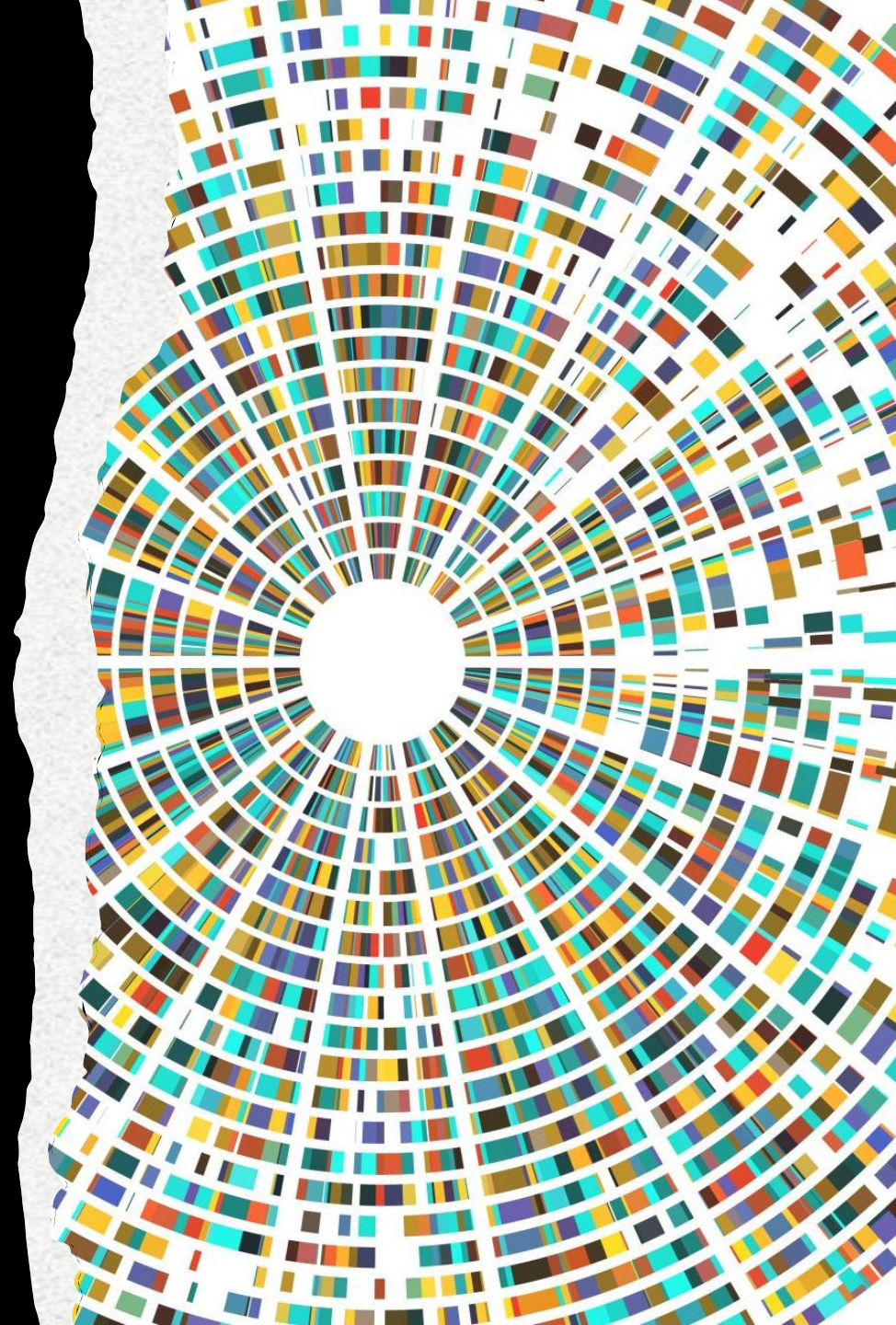


# Data Organization and Visualization

**BY:**

Ravi Shankar Purushothaman



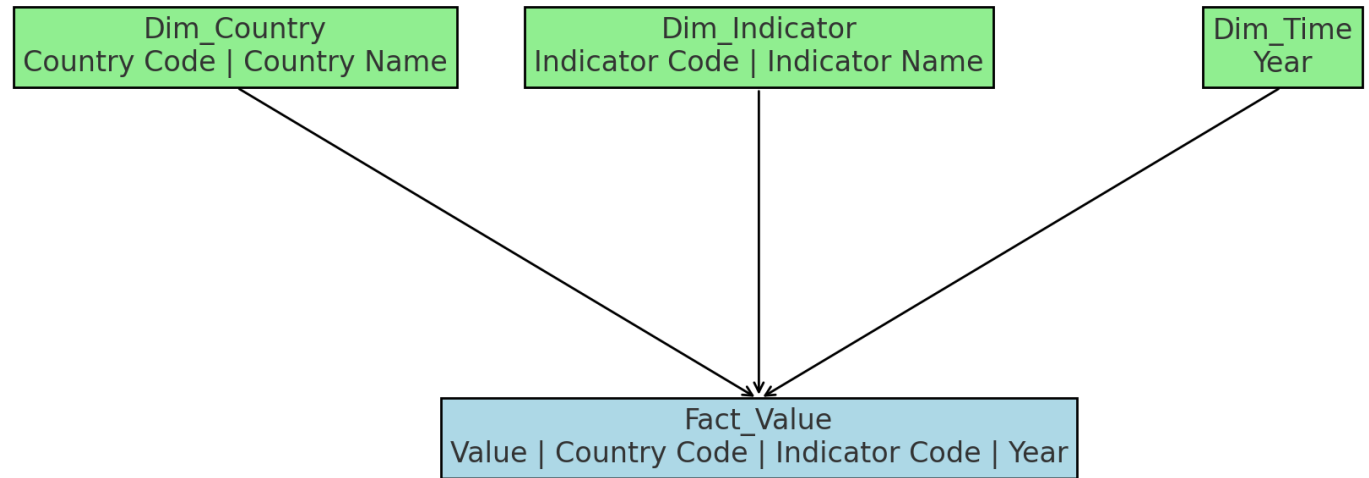


# Dimensions and Measures

- **Dimensions:**
  - Country Name
  - Country Code
  - Indicator Name
  - Indicator Code
  - Year
- **Measures:**
  - Value



# Snowflake Schema Diagram



# Creating Charts in Tableau

1

Bar Chart: Click on the New Worksheet icon.

2

Drag "Country Name" to the row's shelf.

3

Drag "Value" to the Columns shelf.

4

Filter by "Indicator Name" for specific indicators like "Access to electricity".

# Bar Chart

Access to Electricity by Country



Sum of Value for each Country Code broken down by Country Name. Color shows details about Country Name. Size shows sum of Value. The marks are labeled by % of Total Value and sum of Value. The data is filtered on Indicator Name, which keeps Access to electricity (% of population), Access to electricity, rural (% of rural population) and Access to electricity, urban (% of urban population). The view is filtered on Country Name, which keeps 9 members.

# Creating Charts in Tableau

Line

- Line Chart: Click on the New Worksheet icon.

Drag

- Drag "Year" to the Columns shelf.

Drag

- Drag "Value" to the row's shelf.

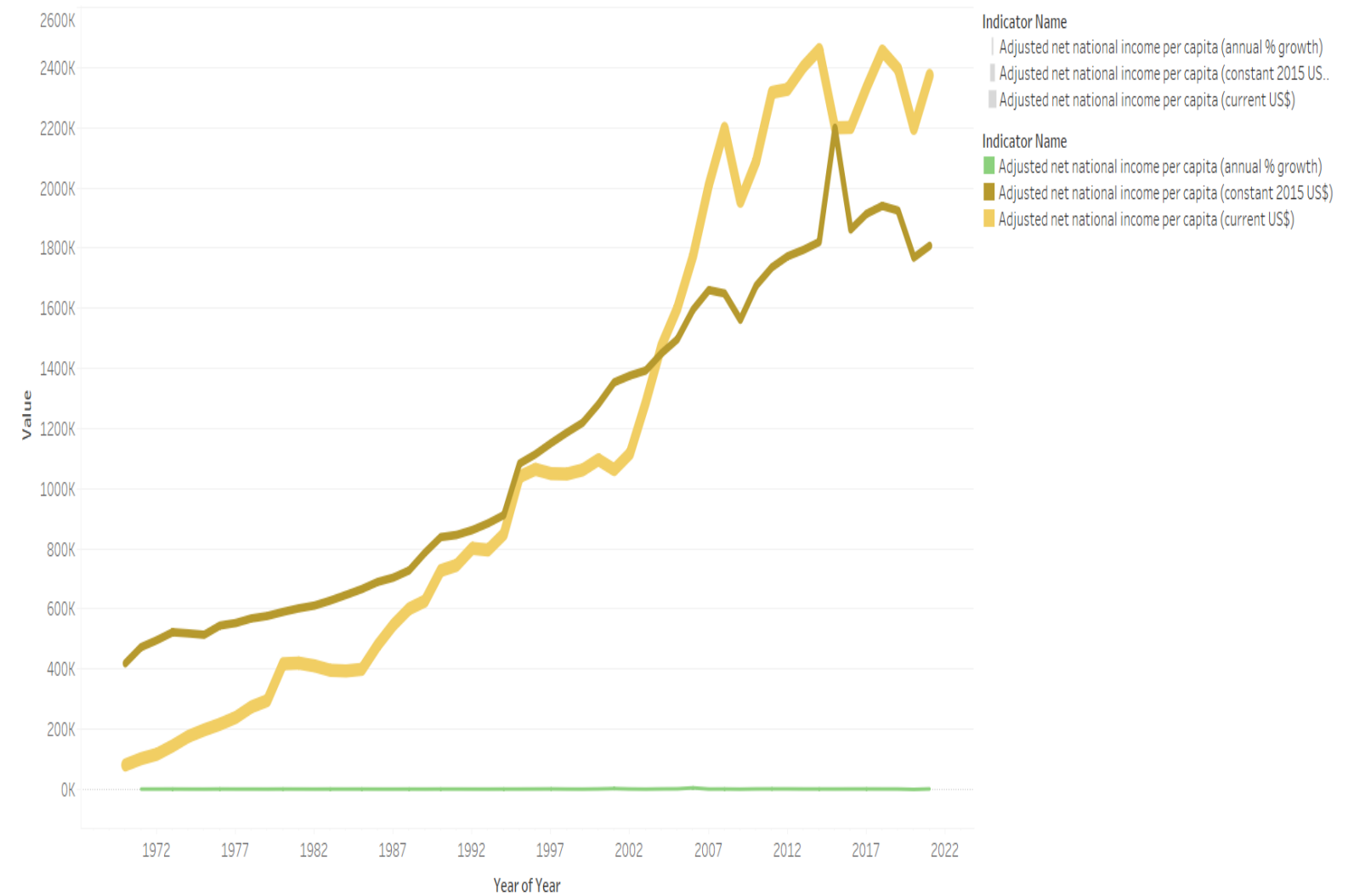
Filter by

- Filter by "Indicator Name" to show capita in Year.



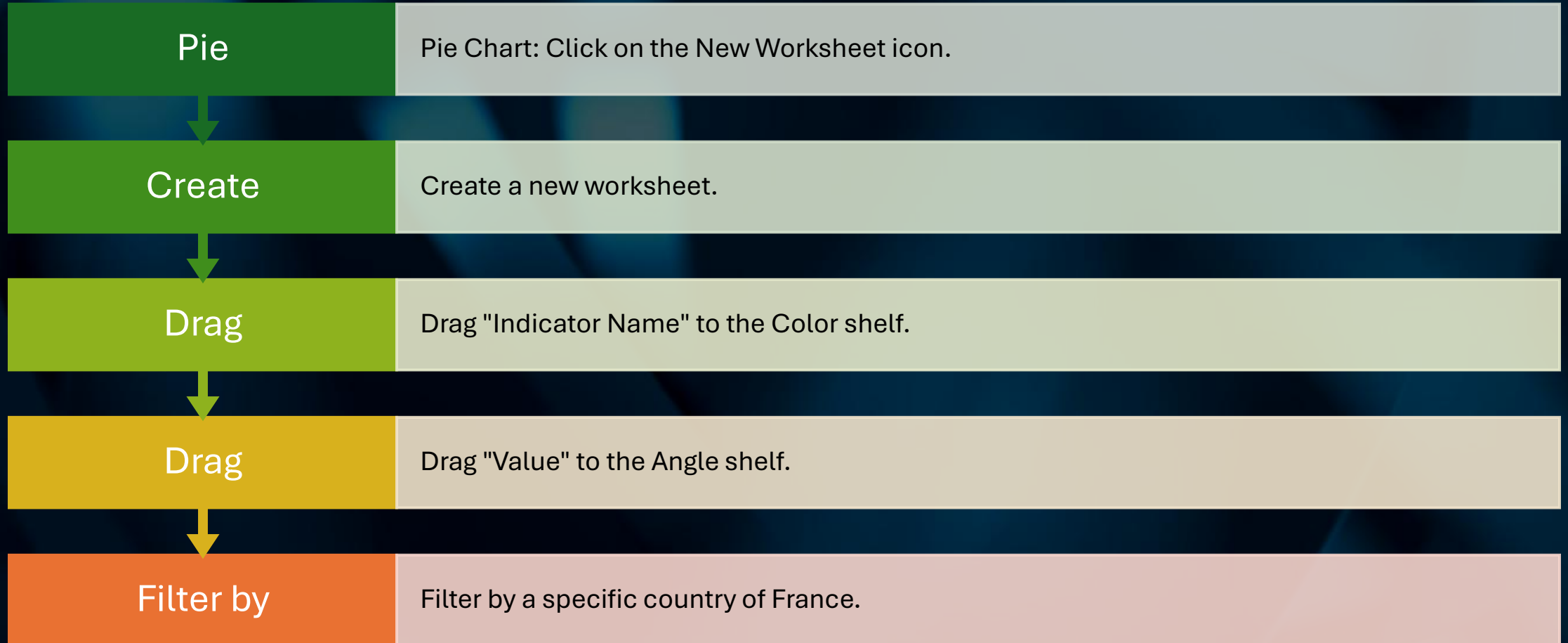
# Line Chart

National income per capita in Year



The trend of sum of Value for Year Year. Color shows details about Indicator Name. Size shows details about Indicator Name. The view is filtered on Indicator Name, which keeps Adjusted net national income per capita (annual % growth), Adjusted net national income per capita (constant 2015 US\$) and Adjusted net national income per capita (current US\$).

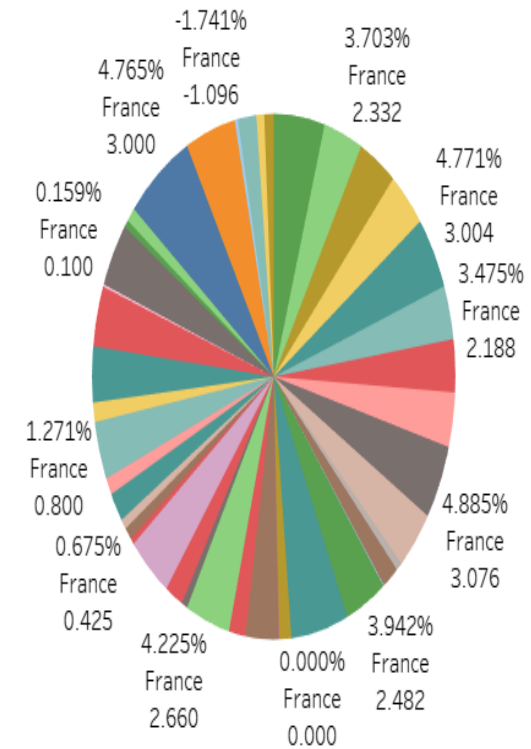
# Creating Charts in Tableau





# Pie Chart

Indicator Distribution for France





Thank You