**1. State-wise Crime Analysis**

* **Visualization:** Bar chart or heat map.
* **Purpose:** Compare the number of different types of crimes (e.g., Rape, Kidnap And Assault, Dowry Deaths) across various states.
* **Insight:** Identify states with the highest and lowest crime rates against women, highlighting specific types of crimes that are most prevalent in certain areas.

**2. Yearly Trend Analysis**

* **Visualization:** Line chart.
* **Purpose:** Track the trend of each crime type over the years.
* **Insight:** Determine whether certain crimes are increasing or decreasing over time, which can help in understanding the effectiveness of policies or interventions.

**3. Crime Type Comparison**

* **Visualization:** Stacked bar chart or pie chart.
* **Purpose:** Show the proportion of each crime type (e.g., Rape, Domestic Violence, Women Trafficking) within a specific state or year.
* **Insight:** Highlight which type of crime is most common and compare the severity of different crime types within a region or over time.

**4. Top 5 States by Crime Type**

* **Visualization:** Horizontal bar chart.
* **Purpose:** Identify the top 5 states with the highest number of cases for a specific crime type.
* **Insight:** Focus on the regions with the most severe issues, helping in targeted policy-making or resource allocation.

**5. Year-over-Year Change by Crime Type**

* **Visualization:** Waterfall chart or area chart.
* **Purpose:** Show the year-over-year increase or decrease in the number of cases for each crime type.
* **Insight:** Analyze which crimes are escalating and require immediate attention, or which are declining due to successful interventions.

**6. Crimes per Capita (if population data is available)**

* **Visualization:** Bubble chart or map.
* **Purpose:** Normalize the crime data by state population to show crimes per capita.
* **Insight:** Identify whether high crime numbers in a state are due to a larger population or indicate a higher crime rate relative to its size.

**7. Correlation Analysis Between Different Crime Types**

* **Visualization:** Scatter plot matrix.
* **Purpose:** Explore potential correlations between different crime types (e.g., does a state with high Domestic Violence cases also have high Dowry Deaths?).
* **Insight:** Uncover patterns that suggest relationships between different types of violence against women, potentially informing more comprehensive policy approaches.

**8. Yearly State-wise Progress**

* **Visualization:** Bullet chart or progress bar.
* **Purpose:** Track progress in reducing crime in each state year-over-year.
* **Insight:** See which states are improving or worsening over time in terms of reducing specific crimes.

**9. Ranking of States by Crime Rate**

* **Visualization:** Ranking table or slope chart.
* **Purpose:** Rank states based on the total number of crimes or specific types of crimes.
* **Insight:** Easily identify which states have the highest and lowest crime rates, and track changes in rankings over time.