**1. Visualize Distribution of Numerical Features**

* Plot histograms or KDE plots for:
  + age
  + bmi
  + HbA1c\_level
  + blood\_glucose\_level

**2. Boxplots to Detect Outliers**

* Create boxplots for:
  + bmi
  + HbA1c\_level
  + blood\_glucose\_level  
    Split by diabetes or gender.

**3. Categorical Feature Counts**

* Bar plots for frequency of categories:
  + gender
  + hypertension
  + heart\_disease
  + smoking\_history
  + diabetes

**4. Compare Target (diabetes) Across Categories**

* Use count plots or stacked bars to compare diabetes occurrence across:
  + gender
  + smoking\_history
  + hypertension
  + heart\_disease

**5. Numerical vs. Target (Diabetes)**

* Boxplots/Violin plots comparing bmi, HbA1c\_level, blood\_glucose\_level across diabetes status.

**6. Scatter Plots for Relationship Exploration**

* bmi vs. blood\_glucose\_level
* age vs. HbA1c\_level  
  Use color (hue) by diabetes or smoking\_history

**7. Correlation Heatmap**

* Correlation matrix for numerical features:  
  age, bmi, HbA1c\_level, blood\_glucose\_level, hypertension, heart\_disease, diabetes

**8. Pair Plots for Detailed Relationships**

* Pair plots (e.g. with Seaborn) for all numerical features, colored by diabetes