>> Data Scrubbing

1. Identifying Missing Values ⟶ $\begin{cases} \text{NaN} \\ \text{None} \\ \text{empty String} \end{cases}$

2. Assessing the Extent of Missing Values

3. Handling Missing Values

Remove $\begin{cases} \text{— Remove rows with missing Values} \\ \text{— Remove Columns with missing Values} \end{cases}$

Impute $\begin{cases} \text{— Mean /Median /Mode Imputation} \\ \text{— Forward / Backward Fill} \\ \text{— Interpolation} \\ \text{— impute with predictive models} \end{cases}$

4. Advanced Techniques

— KNN imputation
— Multivariate Imputation by chained Equations (MICE)