**Handling Missing Values in Excel**

**1️⃣ Categorical Data (Mode)**

To replace missing values in a categorical column with the most frequently occurring value (**mode**), use:

=INDEX(B2:B78, MODE(IF(B2:B78<>"", MATCH(B2:B78, B2:B78, 0))))

This formula finds the most frequent value in column **B** and fills in missing entries.

To replace missing values with a predefined value (stored in **E1**), use:

=IF(B2="", $E$1, B2)

**2️⃣ Date Column (Replace with Average or Median)**

To replace missing dates with the **average date** in column **D**, use:

=IF(D2="", AVERAGE($D$2:$D$78), D2)

Alternatively, you can use the **median date** for a more balanced replacement:

=IF(D2="", MEDIAN($D$2:$D$78), D2)

**3️⃣ Numerical Data (Sales/Amount)**

For numerical columns (e.g., sales data in column **C**), replace missing values with the **average**:

=IF(C2="", AVERAGE(C2:C78), C2)

This ensures missing numerical values are replaced with the column's average.