**Step-by-Step Procedure for Analyzing Datasets in Excel**

1. **Data Preparation & data cleaning**

**Load Datasets**:

* Open a new excel sheet and I imported the given excel sheet then transformed the data
* Checking one worksheet after another for null values, arranging data according to datatypes.
* After this close & load.

#### ****Data Merging:****

#### **Firstly, I have established connections across User Id of Cooking sessions, user details, order details**

#### **Next, I have merged the 3 datasets b using merge queries in Power Query and cleansed the entire dataset.**

#### ****Analysis:****

**Identify Popular Dishes**:

* Use a Pivot Table to summarize the number of cooking sessions for each dish.
* Add another column in the Pivot Table to calculate the average session rating for each dish.
* Sort the Pivot Table by session count to identify the most popular dishes.

**Analyzed Demographic Factors**:

* Created a Pivot Tables with Age or Location as rows and Dish Name as columns.
* Summarized the data using the count of sessions to see how preferences vary by demographics.
* Analysed trends such as which meal types (Breakfast, Lunch, Dinner) lead to higher orders.

#### 4. ****Visualization****

**1. Popular Dishes**:

* + Create a bar chart to visualize session counts and ratings for dishes.
  + Create a bar chart to show dish popularity across age groups and locations.

1. **Meal Types**:
   * Create a pie chart to illustrate the proportion of sessions for each meal type.
2. **Time of Day Trends**:
   * Use a horizontal bar chart to show session frequencies by Morning, Day, and Night.