

M02 - Microsoft Excel

● Live Lesson Challenge

Excel Playground

Leverage the Power of Excel to Uncover Insights from Data

Dataset: Netflix Content Dataset

Challenge Tasks:

1. Quick Data Clean-Up

- **Remove duplicates** if any: Use Excel's built-in feature to remove any duplicated rows.
- **Remove missing values** if any: Use Excel's built-in feature to remove any rows with missing values.
- **Format date_added consistently**: Ensure the `date_added` column is in a consistent format, e.g., MM/DD/YYYY.

2. Basic Calculation

- Create two calculated columns:
 - **'Years Since Release'**: Use the function `=YEAR(TODAY())` to get the current year
 - Categorize content using an IF statement:
 - **"New"** (less than 2 years)
 - **"Recent"** (2-5 years)
 - **"Classic"** (more than 5 years)
- Calculate the total number of TV Shows and Movies
- Count how many titles have TV-MA rating
- Calculate the percentage of TV Shows vs Movies in the dataset

3. Quick Analysis

- Create two pivot tables:
 - First pivot table:
 - **Rows**: `Rating`
 - **Values**: Count of `show_id`
 - Create a **pie chart** showing **distribution of content by rating**
 - Second pivot table:
 - **Rows**: `date_added`

- **Columns:** `type`
- **Values:** Count of `show_id`
- Create a **line chart** showing **content additions over time by type**

4. Analysis Questions

- Answer these questions using your calculations:
 - What's the ratio of TV Shows to Movies?
 - What was the busiest day for new content additions?
 - Which rating category has the most content?
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