

Assignment- 6

IMDb Movie Data Analytics Using Pivot Table

Task1:

KNOWLEDGE CHECK: Manipulating the Pivot Table Field List

Using the IMDb PivotTable, practice creating views to show:

- Budget by Title**
 - Tip: You should see a budget of \$12,000,000 for "2001: A Space Odyssey"*
- Budget and Gross Revenue by Country, Genre, and Title**
 - Tip: You should see "Crocodile Dundee II" as an Action film in Australia, with a budget of \$15,800,000 and a Gross Revenue of \$109,306,210*
- Gross Revenue by Country, filtered only on the Horror genre**
 - Tip: German Horror films drove \$91,573,793 in Gross Revenue*
- Gross Revenue by Genre and Rating, filtered only on Black and White films in the USA**
 - Tip: Black and White, PG-rated Action films in the USA drove \$75,030,163 in Gross Revenue*

Data URL: <https://github.com/Learn-With-Karthik/NCPL-DataAnalytics/blob/main/Excel-Data%20Analysis%20using%20Pivot%20Table/IMDb%2BMovie%2BDatabase.xlsx>

Note: Download the Dataset from Data URL

Need help? Try matching the Field List screenshots below:

1)

Filters	Columns
Rows	Σ Values
Title	Sum of Budget

2)

Filters	Columns
	Σ Values
Rows	Σ Values
Country	Sum of Budget
Genre	Sum of Gross Revenue
Title	

3)

Filters	Columns
Genre	
Rows	Values
Country	Sum of Gross Revenue

4)

Filters	Columns
Color/B&W	
Country	
Rows	Values
Genre	Sum of Gross Revenue
Rating	

Task2:

create a new pivot from the IMDb data, and complete the following:

1. Set up a view to show **Budget** by **Title** (as rows), with filters for **Country** (set to *Japan*) and **Language** (set to *English*). How many Japanese movies in the database were produced in English?
2. Clear the **Language** filter, set the **Country** filter to *Denmark*, and pull in **Gross Revenue** as a second metric. How much gross revenue did "*The Celebration*" generate?
3. Use the "Clear All" command in the PivotTable Analyze options to remove all fields from the table, and create a new view showing **Gross Revenue** by **Country** (as rows) and **Genre** (as columns). How much revenue was generated by Comedy films in Finland?
4. Remove the **Country** field, move **Genre** to the row labels, and drag in **Rating** as secondary row labels. How much revenue was generated by PG-rated Family films? Double click on the cell to see the exact source data populating the value. Which title drove most of the revenue?
5. Add a fake row of data in the "IMDb Movie Database" tab, beneath the existing rows, and use the **Change Data Source** option to update the pivot. Create a title-level view and confirm that the new data is included, then delete the entire row in the raw data sheet and **refresh** the Pivot Table to remove it.