

Mini Project I

Team 23



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JOHN DIMLA

IVAN RAMIREZ

RAUL SOTELO

MIKHAIL CHARLES

**Q1. How many TV shows and movies does each streaming platform offer?**

Answer:

Application

Description automatically generated with medium confidence

Process:

To answer this question, we have to count EACH streaming platform’s TV shows and movies. Thankfully the worksheets provided have the types all categorized on Column B. What I did to count each category is to create a Pivot Table for the entirety of Column B on each worksheet and have the results output on new worksheet.

Graphical user interface, text, application, email

Description automatically generated

This will add a single field called type, and I right clicked it on the PivotTable Fields and clicked Add to Values.

Graphical user interface, application, table, Excel

Description automatically generated

NOTE: COUNT OF TYPE WILL NOT APPEAR UNTIL YOU CLICK ADD TO VALUES.

Do this for all the other worksheets to get our results!

**Q2. Are there any titles (shows or movies) that appear on multiple platforms?**

Answer:

Yes. There are multiple titles (shows and movies) that appear on the platforms listed.

Process:

I concluded after taking the titles from each streaming service provided and putting them into one sheet. I proceeded to put each column of the streaming services in alphabetical order. Doing it this way makes it easier to read the list of tv shows and movies across all platforms. This allowed me to search up the tv or movie in the by clicking Alt + Q and typing in the name of what I am looking for. It would then take you to its cell and list its location if it could be found in another.



**Q3. Who are the most popular directors of titles across all of these platforms?**

Answer:

A screenshot of a computer

Description automatically generated with medium confidence

Process:

Since we are concerned with the most popular directors across ALL of the platforms, we would have to gather all the director names across all the worksheets and see how frequent they show up in our data set.

Graphical user interface, application, Word

Description automatically generatedWe first create a Pivot Table like from the examples above with the values added on another column. This time we filter use Value Filters to list the top 50 directors on the platform we choose.

Graphical user interface, application

Description automatically generated

After creating the Top 50 list, we order the Pivot Table from Largest to Smallest.

Graphical user interface, application, table, Excel

Description automatically generated

Repeat this process for the rest of the worksheets we have. Since Hulu only has three directors listed, we can omit making a Pivot Table for that worksheet. Now we will search for duplicate names throughout the results that we get from the Top 50. To make this process easier, we will have to use Conditional Formatting to highlight Duplicate Values throughout the cells.

Graphical user interface, application

Description automatically generated

A picture containing graphical user interface

Description automatically generated

From here, we list the most popular directors across all platforms, for some directors like Jay Karas, we add the counts from the duplicate cells that we highlighted and determine if their values are high enough for the Top 10 directors.

**Q4. Which platform has added the most titles in the past 1/5/10 years?**

Answer:

Hulu added the most titles in the past year with 1085 but Netflix added the most titles the past 5 and 10 years with 7462 and 8010 respectively.

Process:

In order to answer this question, I made a pivot table with the data and sorted the pivot table by Years. That allowed me to get the value of every year, then using the ‘SUM’ function I was able to add the values of 5 and 10 years.

|  |  |  |  |
| --- | --- | --- | --- |
| **Netflix** | **Hulu** | **Amazon** | **Disney** |
| 1 year |  |  |  |
| 363 | 1085 | 155 | 330 |
| 5 years |  |  |  |
| 7462 | 2773 | 155 | 1447 |
| 10 years |  |  |  |
| 8010 | 3023 | 155 | 1447 |

Below is a table showing how many titles were added during each year

**Q5.** **What is the average movie length across these platforms? What is the average movie length for each platform?**

Answer:

(ctrl+left click blue text for links w/ image)

[Netflix Average: 99.58 minutes](https://drive.google.com/file/d/1DMVkoQYCCDIhceDks3Hxkw8jZjfhAgxO/view?usp=sharing)

[Hulu Average: 98.27 minutes](https://drive.google.com/file/d/1DMVkoQYCCDIhceDks3Hxkw8jZjfhAgxO/view?usp=sharing)

[Disney+ Average: 71.91 minutes](https://drive.google.com/file/d/1DMVkoQYCCDIhceDks3Hxkw8jZjfhAgxO/view?usp=sharing)

[Amazon Prime: 91.31 minutes](https://drive.google.com/file/d/1DMVkoQYCCDIhceDks3Hxkw8jZjfhAgxO/view?usp=sharing)

[Average Across All Platforms: 90.27 minutes](https://drive.google.com/file/d/1DMVkoQYCCDIhceDks3Hxkw8jZjfhAgxO/view?usp=sharing)

Process:

1. Create a copy of netflix\_titles
2. [Delete all columns except for “type” and “duration”](https://drive.google.com/file/d/16EE9B3ua7rxnatOA3V-ZQHZUomF-rONW/view?usp=sharing)
3. [Selected “duration” column and used “Text to Columns”](https://drive.google.com/file/d/1O9_X92fjKp81JkFY5GjvEZGAkR1Rmujb/view?usp=sharing)
4. [Selected Delimited option and selected Tab and Space](https://drive.google.com/file/d/1jGK2Zb8kwp9-yLFWngW0UGICzNn7gS_0/view?usp=sharing)
5. [Created Pivot table using “type” as a Row and “Average of Duration” as Values](https://drive.google.com/file/d/1GQKghyDudCVInqreaMq6nz2lgua4tLOr/view?usp=sharing)
6. Using “type” filter to only display “Movie”
7. Repeat using “[hulu\_titles](https://drive.google.com/file/d/1R0llU8Iz6ZfVikd1h2S_tPnKj9k1x9tE/view?usp=sharing)”, “[disney\_plus\_titles](https://drive.google.com/file/d/17NhtCqEl-fUYaJZJEOrj1jeDMRKt_vmX/view?usp=sharing)”, and “[amazon\_prime\_titles](https://drive.google.com/file/d/1oT0KXgWrGAV5bZaGKQXuZ7RID4XlD9Q_/view?usp=sharing)”
8. [To find average across all platforms use “=(sum(B5+E5+H5+K5))/4](https://drive.google.com/file/d/1kbEpxykgcqIO0MkkuZ5h5I0yMxxl9IEM/view?usp=sharing)

**Q6.** **What is the most popular genre/category on each platform?**

Answer:

(ctrl+left click blue text for links w/ image)

[Netflix: International Movies](https://drive.google.com/file/d/1Jd2TS7JR0NYsAshI2RbCoMD31NOM4ABP/view?usp=sharing)

[Hulu: Drama](https://drive.google.com/file/d/18tRUAcpjgnI7VRRRonmQn-PvkNg0CNio/view?usp=sharing)

[Disney+:Family](https://drive.google.com/file/d/1D7hxH16UH9RF_EdpKitOHVet9TXpbQnu/view?usp=sharing)

[Amazon Prime: Drama](https://drive.google.com/file/d/1fxS3eFWyMJ3TMwvKf5mzifCVCgitc_Mj/view?usp=sharing)

Process:

1. Create copy of netflix\_titles
2. Isolate “type” and “listed\_in”
3. [Select “listen\_in” and use “Text to Columns”](https://drive.google.com/file/d/1yGIv4sD6_LU5G3SOmz34ICe1aMTnG4MO/view?usp=sharing)
4. [Select Delimited option and Select Tab and Comma](https://drive.google.com/file/d/1nUDIetrAc-qVdGreXT-2Rd7H-XpB85qg/view?usp=sharing)
5. [Create new columns with each Genre](https://drive.google.com/file/d/1T1yIeSXDnorArLFApDE4SdL54alcFPtX/view?usp=sharing)
6. [Use If, isnumber, and Search functions to match genre](https://drive.google.com/file/d/1E9P9rPenH8v8TGNQ9If9t9fyGx6xkkdN/view?usp=sharing)
7. [Calculate sum of each genre using sum function](https://drive.google.com/file/d/14YAOgtCmJY5kO2ut0D2fmaoK-4a3adaH/view?usp=sharing)
8. Repeat using “hulu\_titles”, “disney\_plus\_titles”, and “amazon\_prime\_titles”

**Q7.** **What’s the average number of shows added per year across all platforms?**

Answer:

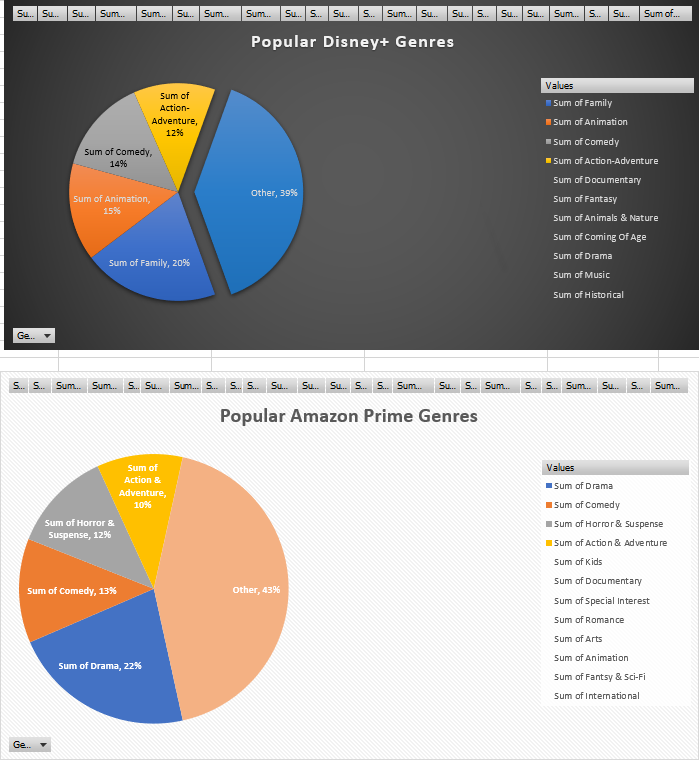
The average titles added across all platforms the first year was 483.25, the 5-year average was 2959.25, and the 10-year average was 3128.75.

Process:

In order to get the average, I used Excel’s Auto-Sum feature which has an option to find the average number of a data set.

|  |
| --- |
| Average Titles added |
| 1 year |
| 483.25 |
| 5 years |
| 2959.25 |
| 10 years |
| 3158.75 |

**Q5. Visuals**

**Chart, pie chart

Description automatically generated**