**Filtering Data**

1. Write some SQL queries to return a lists of films that meet the following conditions. Your results tables should include the columns “film\_ID,” “title,” and “description”. Download your SQL queries outputs as CSV files using the pgadmin inbuilt functionality. Merge them into one Excel file (.xlsx) and create a separate sheet for each query (label them 1a, 1b, 1c, etc.). You’ll use this file for all further questions in this Task too.

- Film title contains the word *Uptown* in any position

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- Film length is more than 120 minutes and rental rate is more than 2.99

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- Rental duration is between 3 and 7 days (where 3 and 7 aren’t inclusive)

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- Film replacement cost is less than 14.99

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- Film rating is either PG or G

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1. The query you wrote in step 1e returned a list of movies that meet certain criteria (film rating is either PG or G). The inventory team has asked for the following information about this list:  
   - Count of the movies  
   - Average rental rate  
   - Maximum rental duration and minimum rental duration

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**3&4**. To make the output easier for your coworkers to understand, give your aggregate columns the following aliases: “count of movies,” “average movie rental rate,” “maximum rental duration”, and “minimum rental duration”. Run the query and transfer the result into your Excel file on a new sheet as well as the code you used to get there.

SELECT rating,

COUNT(title) AS count\_of\_movies,

AVG(rental\_rate) AS average\_movie\_rental\_rate,

MAX(rental\_duration) AS maximum\_rental\_duration,

MIN(rental\_duration) AS minimum\_rental\_duration

FROM film

WHERE rating IN (‘PG’, ‘G’)

GROUP BY rating;

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