

## Practice Exercise: MS Excel Basics

The following is a post-class exercise for practicing Excel functionalities.

Note: This is neither a graded assessment nor has any time restraints for completion.

<b>Case Study Number &amp; Title</b>	3. Analyzing the IMDB movie data for drawing inferences on the movie ratings
<b>Introduction</b>	
<b>Learning Outcomes</b>	
<b>Background Information</b>	IMDB dataset contains the top-rated movies and television shows with information on the cast and crew, and the gross earnings from the box office or runtime on broadcasting channels.
<b>Scenario</b>	
<b>Problem Statement/ Business Objectives</b>	Analyze the data to identify top grossing movies and shows, and explore using Excel to extract relevant insights.
<b>Data, Information for Case Analysis</b>	<p>Data is provided as an xlsx file. Below is the source and attribute information.</p> <p>Source link: <a href="https://www.kaggle.com/datasets/harshitshankhdhar/imdb-dataset-of-top-1000-movies-and-tv-shows">https://www.kaggle.com/datasets/harshitshankhdhar/imdb-dataset-of-top-1000-movies-and-tv-shows</a></p> <p><b>Data Description</b></p> <p><b>Series_Title:</b> Name of the movie  <b>Released_Year:</b> Year of movie release  <b>Certificate:</b> Certificate earned by the movie  <b>Runtime:</b> Total runtime of the movie  <b>Genre:</b> Genre of the movie  <b>IMDB_Rating:</b> Rating of the movie as on IMDB website  <b>Overview:</b> Summary of the movie  <b>Meta_score:</b> Score earned by the movie  <b>Director:</b> Name of the Director  <b>Star1, Star2, Star3, Star4:</b> Name of the Stars  <b>Noofvotes:</b> Total number of votes  <b>Gross:</b> Gross collection earned by the movie</p>
<b>Questions</b>	<ol style="list-style-type: none"> <li>1. How many movies directed by Hayao Miyazaki have occupied this list?</li> <li>2. Which movie has the lowest score among all?</li> <li>3. Determine the average rating for movies which acquired an A certificate.</li> <li>4. What are the total gross earnings of Quentin Tarantino movies?</li> <li>5. How many movies with actors Brad Pitt and Al Pacino as the main lead are present in the data?</li> </ol>
<b>Solution</b>	A sample solution also provided with the dataset
<b>Deliverables for Solution and Rubric</b>	Non-graded assessment
<b>Key Takeaways/Results</b>	Analyzing data using MS Excel and deriving meaningful insights which aids in decision making.