Practice Exercise: MS Excel Advanced

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.

Case Study Number & Title	2. Analyzing the salaries of different undergraduate degrees in 0-10 year timeframe.
Background Information	The dataset consists of undergraduate degree and the salaries the graduates get in start, mid and a decade later in their career.
Problem Statement/ Business objectives	Analyze the salary data to understand the pay backs of different degrees for aiding career decision making. What you're getting yourself into (the future)?
Data, Information for case analysis	Data is provided as an xlsx file. Below is the source and attribute information. Source link: https://www.kaggle.com/datasets/wsj/college-salaries Data Description **Undergraduate Major:** Name of the degree **Starting Median Salary:** 50th percentile of starting salaries in 0th year. **Mid-Career Median Salary:** 50th percentile of salary at 10th year. **Mid-Career 10th Percentile Salary:** 10th percentile of salary at 10th year **Mid-Career 25th Percentile Salary:** 25th percentile of salary at 10th year **Mid-Career 75th Percentile Salary:** 75th percentile of salary at 10th year **Mid-Career 90th Percentile Salary:** 90th percentile of salary at 10th year

Questions	1. Sort the mid-career median salary in increasing order. What is the rank of Finance, Philosophy, and Computer Engineering? 2. Create a pivot table with starting median salary as a filter, degrees as rows, and starting median salaries as values. 3. Create a pivot chart of starting salaries of Biology, Finance, Computer Engineering, Information Technology and Business Management. 4. Create a pivot chart of %change in salaries of Biology, Finance, Computer Engineering, Information Technology and Business Management from start (0^{th} year) to mid-career (10^{th} year). 5. Create a dashboard with: • a pivot chart displaying mid-career salaries • a slicer with two fields (starting salaries > 50k, starting salaries<50k) • display mid-career salaries with >50k starting salary
Solution	A sample solution also provided with the dataset
Deliverables for Solution and Rubric	Non-graded assessment
Key Takeaways/Results	Analyzing data using MS Excel and deriving meaningful insights which aids in decision making.