This Project uses different concepts of data analysis and visualization to answer the questions of the client . For this project a dataset of Udemy courses was provided and we used that data to frame the problem , Cleaned it , Explored it and used it to derive Insights from it and show Trends in it using Charts and Visualization to answer questions asked such as Top 20 courses , Free or Paid courses and more.

The Dataset provided to us was of 4 different subjects of udemy :

- Business Finance
- Graphic Design
- Musical Instrument
- Web Development

We took a step-by-step approach to perform suitable Actions on Data:

Step1 : We imported all 4 Data sets into a single spread sheet and removed Duplicate data from the entire dataset using Excel function .

Step2 : We removed all the empty rows and columns from the data set (Null Data) using Filters in excel.

Step3 : Removed(Corrected) minor errors in data set such as header titles and subject names to make all of them of similar type making it easier to parse it Later.

Step4 : Then we used different excel function such as right/left , if/and function to answer some questions in that table such as how many courses are free and how many beginner courses are free , what is their published date etc.

https://docs.google.com/spreadsheets/d/1rZI-n_gU2FOzYZcerXiLHKq-C8zNyh5lLj1zNCor_Eo/edit?usp=sharing

Step5 : We used Vlookup and Query function to show the insights of Top 20 courses in the dataset based on their Subscription.

https://docs.google.com/spreadsheets/d/1LI3hpoEc52qHTeeKUCRvoHeygCg7m4CHTP7ASpzyWDE/edit?usp=sharing

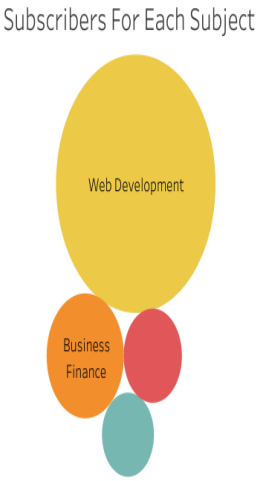
Step6 : With the use of Pivot tables we answered several questions asked to us by creating charts in a graphical way to understand the data more easily.

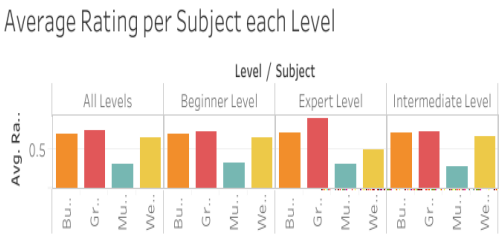
https://docs.google.com/spreadsheets/d/1XRuncxSJb2ouoixY_JrD4NkckG2VelPIdZKyQVy-8QY/edit?usp=sharing

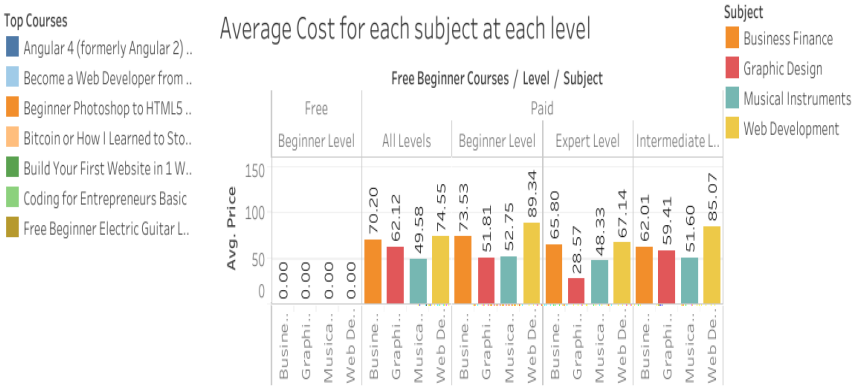
Step7 : Now , for the visualization part we used the software Tableau because it is one of the most popular and most used and recommended software used by analysts to create visuals of their data.

So , we imported our New and Cleaned Dataset into Tableau and created visuals from our data set and made a dashboard of it which helps understanding the data more optimally.

https://public.tableau.com/views/Udemy_courses_dataviz_dashboard/Dashboard1?:language=en-US&:display_count=n&:origin=viz_share_link







Conclusion :

From the above analysis we found out that the most subscribed subject is Web Development and average price of web development is most among all the courses in all subjects offered .

Average content duration is also highest for web development and Graphic Design has the best rating among all the courses and other aspect as top courses and their trends , courses with most reviews and ratings etc .