

I discovered a few different issues with the dataset when I initially opened it. Different punctuation was used for the Region, Status, and Product columns, some had extra spaces, others were all capitals, and some were lowercase. It would be challenging to properly group data as a result of the variance. Revenue was blank in certain rows because Quantity or Unit Price were missing. In order to address these problems, I reorganized the text so that it all had the same appearance, with proper capitalization and no additional spaces. Then, I multiplied Quantity by Unit Price to recalculate Revenue for any missing rows, leaving it blank if the problem persisted. To ensure that each order appeared only once, I eliminated duplicate rows. Then, using the Order Date as a guide, I created two new columns: one for Revenue per Unit and another for Order Month. Lastly, I created pivot tables that display the average pricing by product and region, the total income by region, and the total quantity sold for each product. In my opinion, Excel is great for quick cleaning and making tables, but it can get slow when you have a lot of data. Python is faster but it's harder to learn, Python for the cleaning & Excel for the final report is a good mix.