Process

Cleanning & Reshaping the data in python using pandas

some exploratory data analysis in python and some visualization using seaborn and matplotlib

extracting the clean data into two CSVs one for allocation table and the other for employee details table

Importing the two files into power BI to create the dashboard

Create the relationship between the two tables

Create the needed measures and place them in a specific table to be organized

Start placing the visuals , charts, KPIs and filters in the dashboard to generate insights

Insights

1- the highest average cost for an employee is in department 2 and grade 1.4

2- Lat_pa has the the largest numbre of employees

3- Total Contracted Hours is 4.05 M Hour however the total allocaated 1.67 M Hour

with gap of 2.38 M Hours and when more data provided we can discover the reasons for this gap in order to reduce it

4- one of the Reasons for this gap could be over hiring so we need to

reduce hiring according to business needs to reduce the cost.