Data Visualization and Communication Homework 1

Remarks:

Write the code yourself. *Cheating is strictly forbidden*.

For each problem write your code in the function format and give the names of the functions as problem numbers, for example for the solution of problem1:

def problem1(input):
return something

Put the codes for all problems into one file (jupter notebook file) and name that file using your student username in the following format: badays_via508_homework1.ipynb. The notebook file should definitely contain the outputs of the functions.

Give as much as documentation for your script using comments.

Problem 1 (50 Points)

You are given "iris_pasaport_applications.xlsx" file which contains irish passaport applications for the first time and renewal. Using this file reproduce the figure given below. Use background color as #FEF2E6. For the colors on the bars use #D7CDC3 and #FB78A4



Problem 2 (50 Points)

Reproduce the following figure which shows a scatter plot for weekly change in mobility vs weekly change in new covid19 cases. You can use the data given below.

you can use colors in colorlist for the colors of markers in scatter plot.

