# IN3050 Assignment 3 - hermagst@uio.no

# User guide

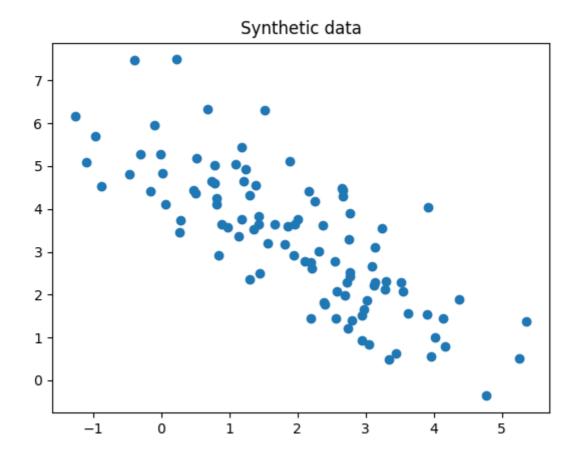
My solution has 2 entrypoints with runnable main functions:

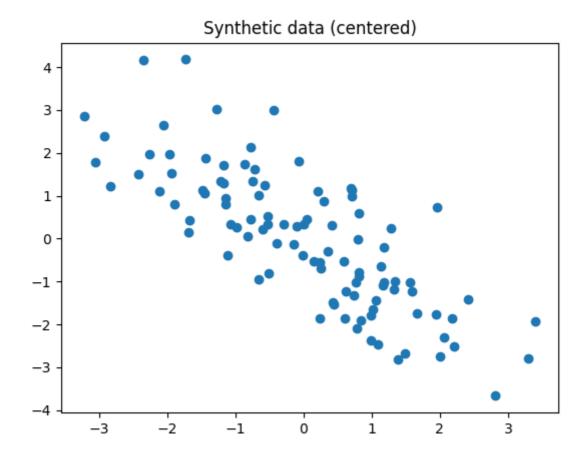
- main.py: this program generates all the graphs and saves them to assets/ and also prints out some information for the last task. This file also contains all the comments for each task.
- tests.py: this program runs the tests for the PCA algorithms specified in the oblig

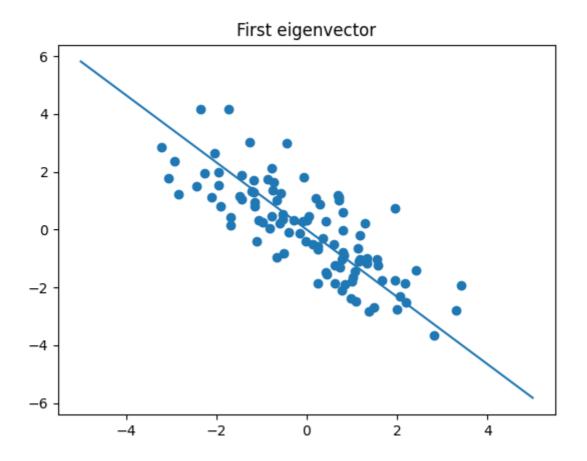
The pca.py file is not executable - it just contains the functions from the first part of the assignment used in the other scripts.

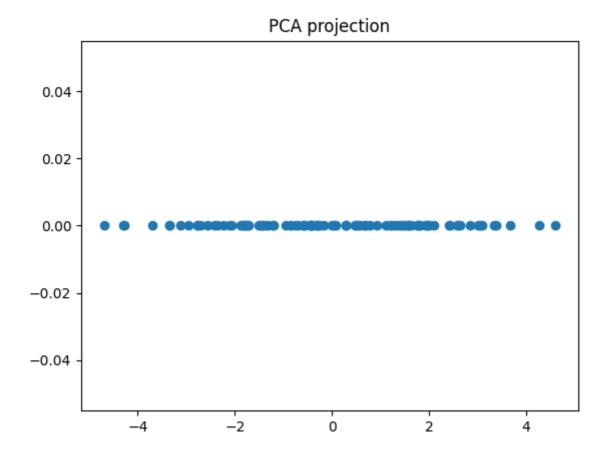
#### Graphs

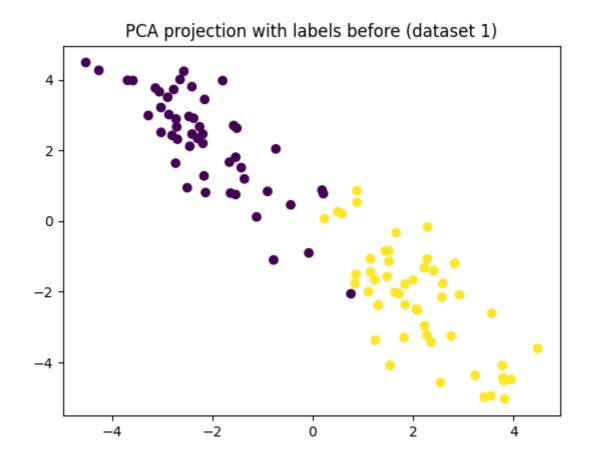
Here are all the graphs in chronological order of their task



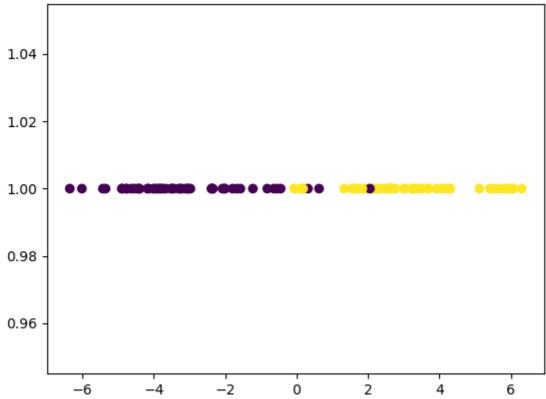




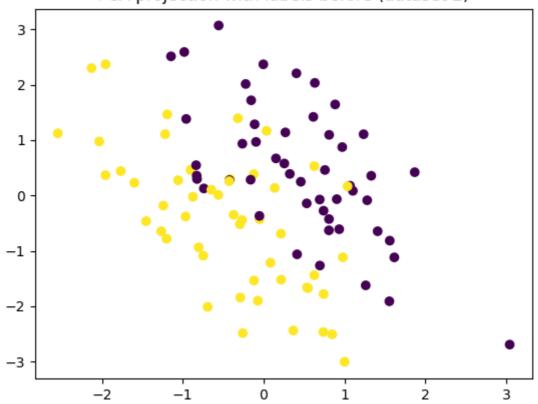




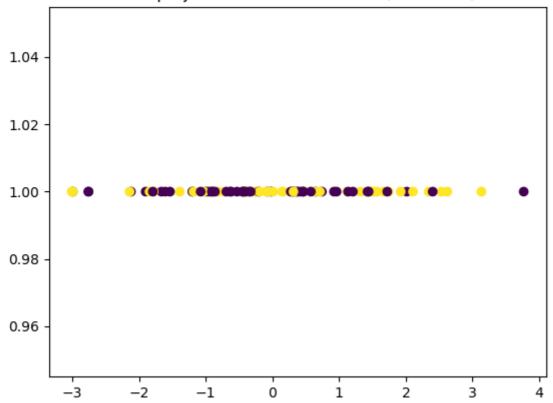




# PCA projection with labels before (dataset 2)



# PCA projection with labels after (dataset 2)



# 2 random features iris data

