The whole code for question 3 is stored in a notebook: Q3.ipynb

User Control: you can find 2 parameters to modify on the code, between the

#### USER CONTROL ### section.

vae\_task : [VAETasks.train\_vae\_net, VAETasks.test\_vae\_net]

svm\_task : [SVMTasks.none, SVMTasks.train\_svm, SVMTasks.test\_svm]

VAETasks.train\_vae\_net- train vae net (no testing)

VAETasks.test\_vae\_net- load net weights and testing it.

SVMTasks.none- no action occurs

SVMTasks.train\_svm- train svm model

SVMTasks.test\_svm- load svm weights and testing it.

Folder structure:

ex3\_204094213\_301861902 Q3 data

net\_weights

Q3.ipynb

Readme.pdf

Q4