Variational Autoencoders GUI

Christos Kormaris

How to Run the GUI

First, browse to the directory **"vaes_gui"** of the thesis project and install the Python dependency libraries, by typing:

pip install -r dependencies.txt

Open a console (terminal) in Unix/Linux or a command prompt in Windows with Python 3 installed and run:

python gui.py

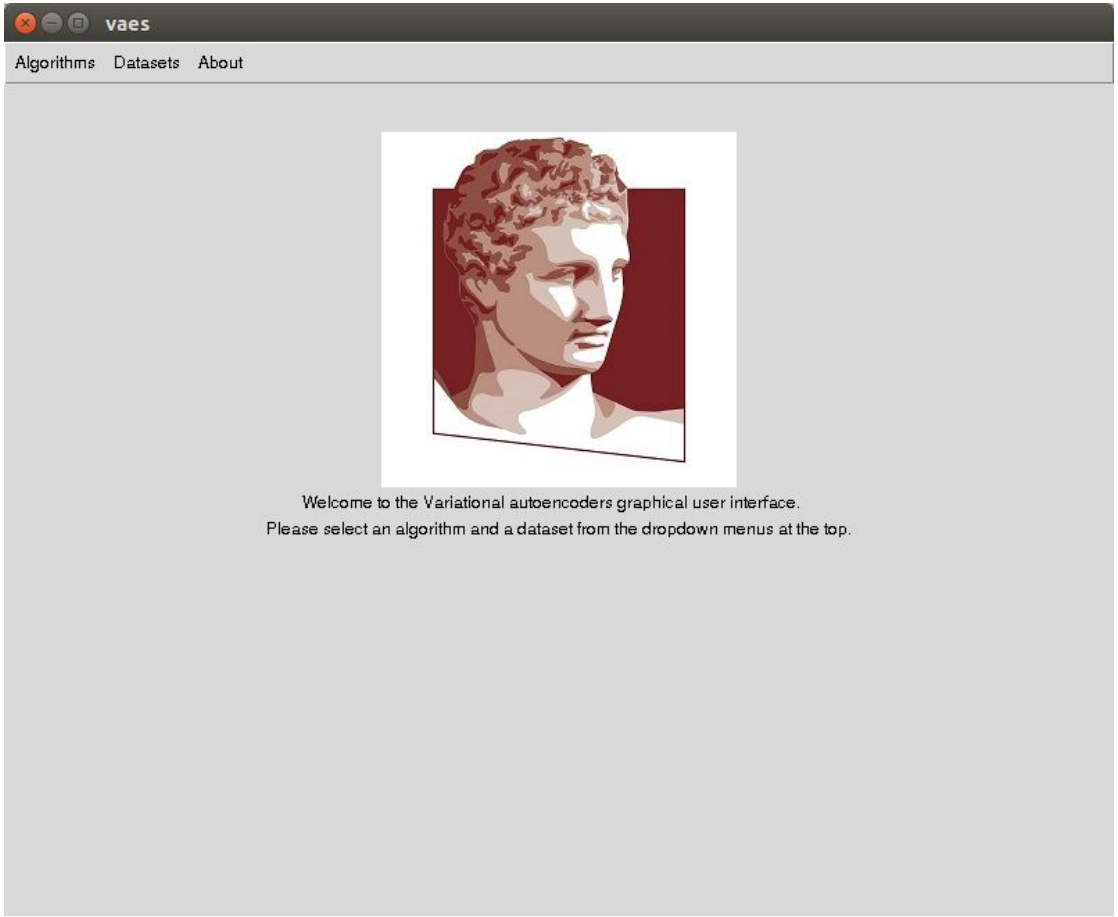
How to Run the GUI (part 2)

To create an executable file for the GUI (".exe"), which you can run anytime from a Windows environment, type:

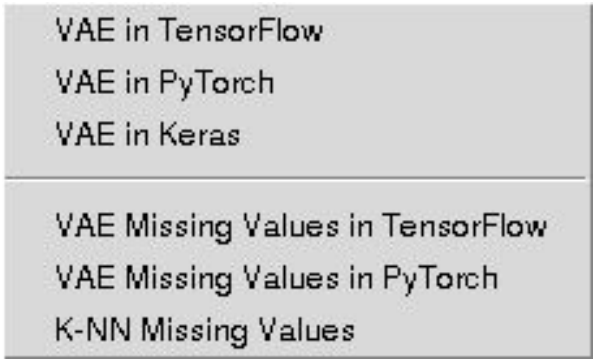
pip install pyinstaller
pyinstaller gui.spec

Then, download all the datasets from the URLs in the file **"datasets_urls.txt"** and move them to the newly created **"dist"** folder. Inside, there should be a folder with the name **"vaes_gui"**, which contains the executable file **"vaes_gui.exe"**.

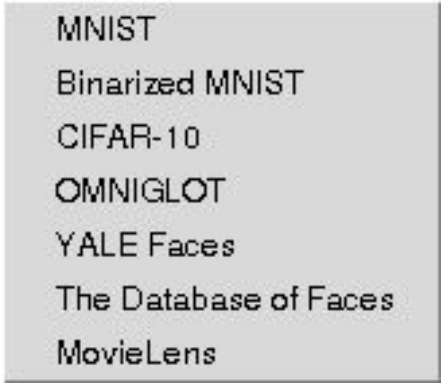
GUI Welcome page.



GUI Algorithms and Datasets dropdown menus.

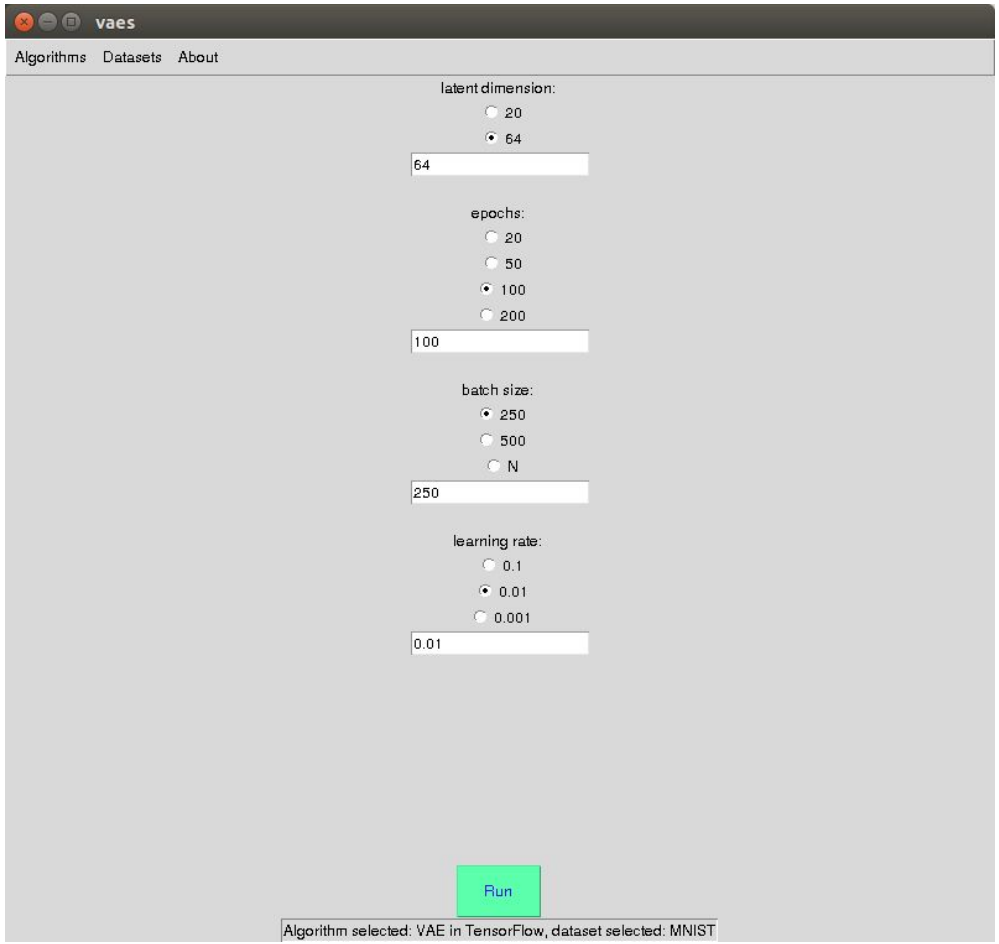


GUI Algorithms dropdown menu.



GUI Datasets dropdown menu.

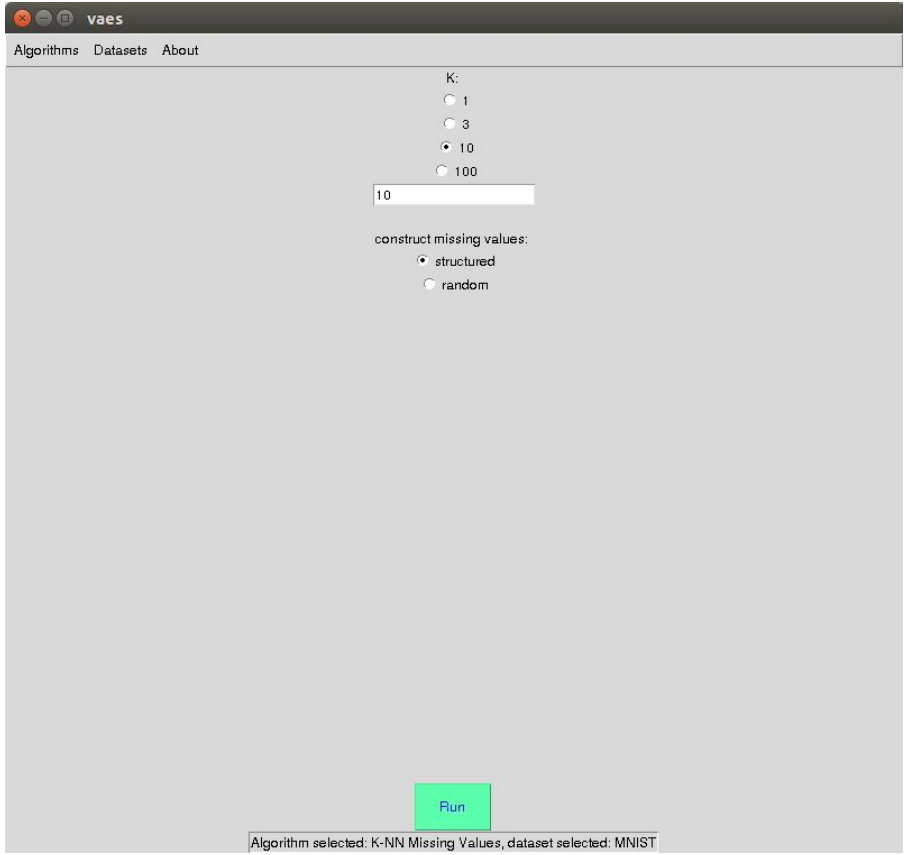
GUI VAE in TensorFlow, MNIST dataset.



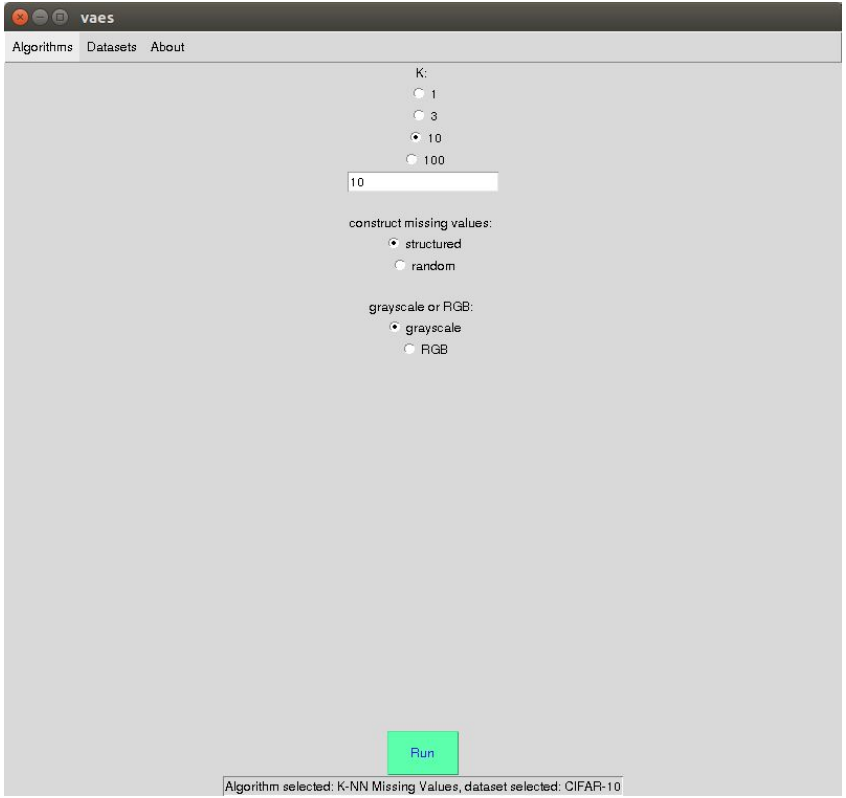
GUI VAE in TensorFlow, CIFAR-10 dataset.

GUI VAE in TensorFlow, OMNIGLOT dataset.

GUI K-NN Recommendation System, MNIST dataset.

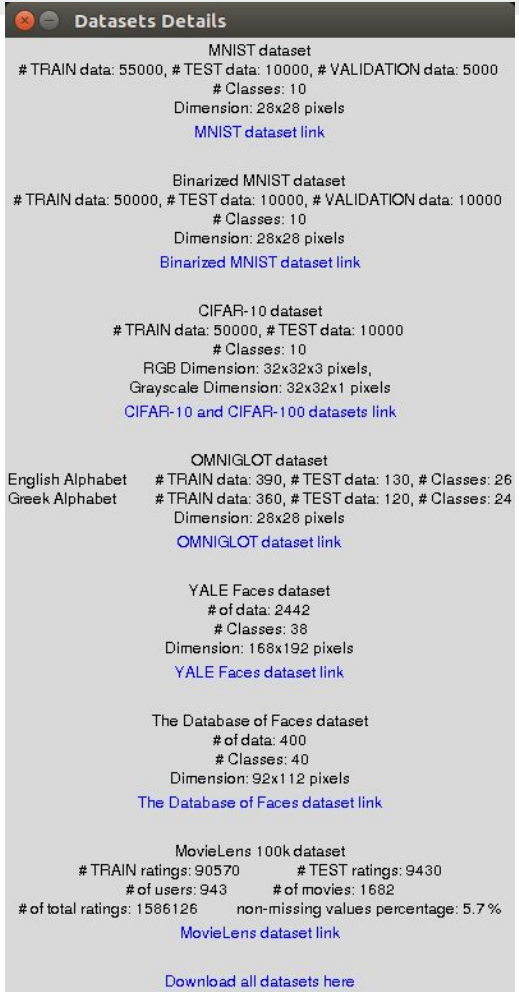


GUI K-NN Recommendation System, CIFAR-10 dataset.

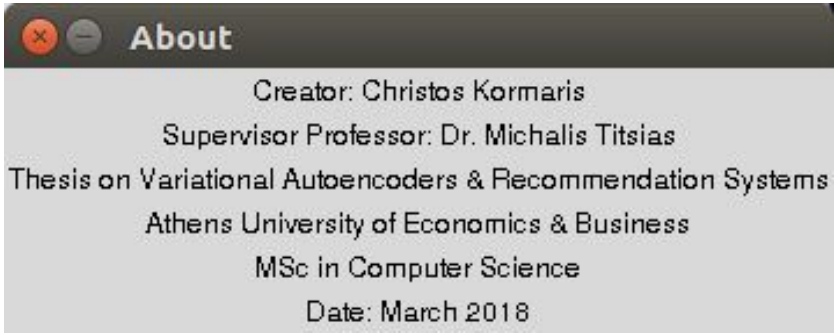


GUI K-NN Recommendation System, OMNIGLOT dataset.

GUI datasets details.



GUI About.


About
Creator: Christos Kormaris
Supervisor Professor: Dr. Michalis Titsias
Thesis on Variational Autoencoders & Recommendation Systems
Athens University of Economics & Business
MSc in Computer Science
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