Variational Autoencoders GUI

Christos Kormaris

Download Datasets

Go one level up from the project directory and create the directory **DATASETS**.
Then, download all the datasets from the URLs in the file **datasets_urls.md**, extract them and move them to the **DATASETS** folder.

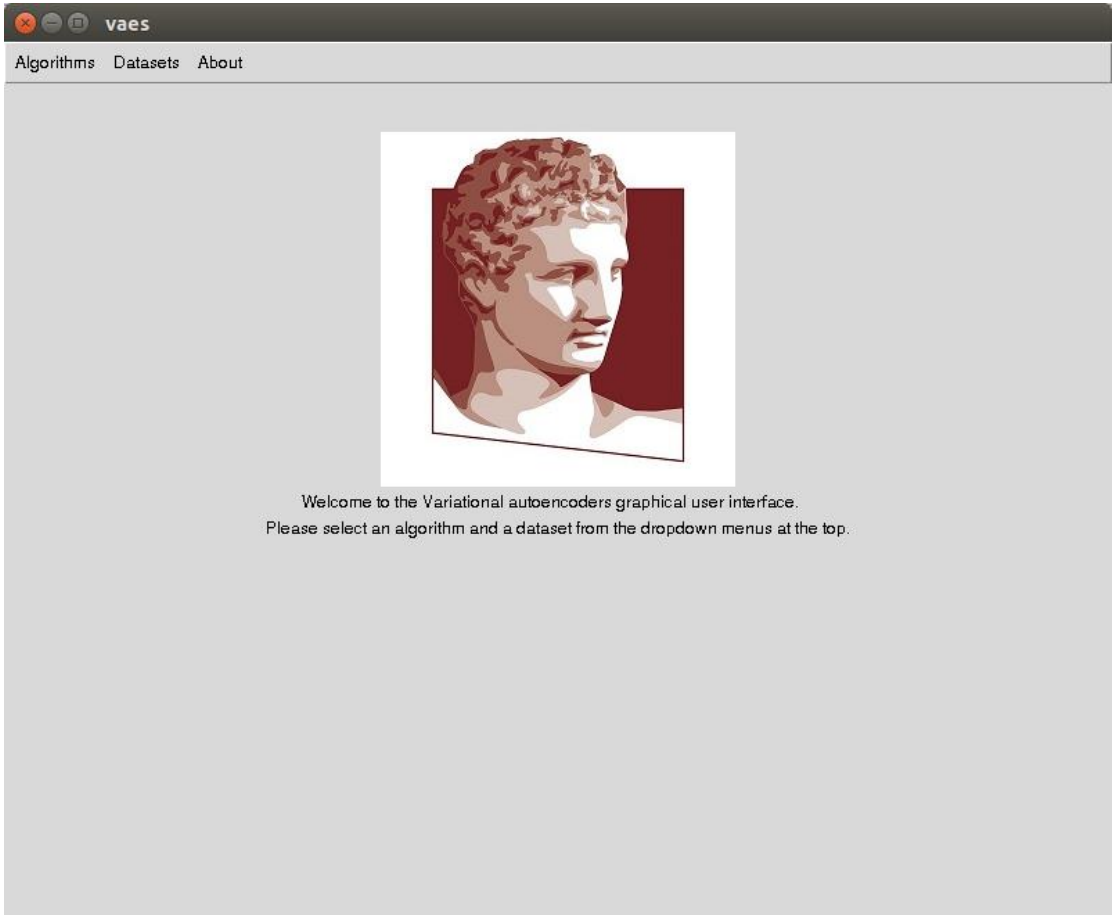
How to Run the GUI

We are using Python 3.

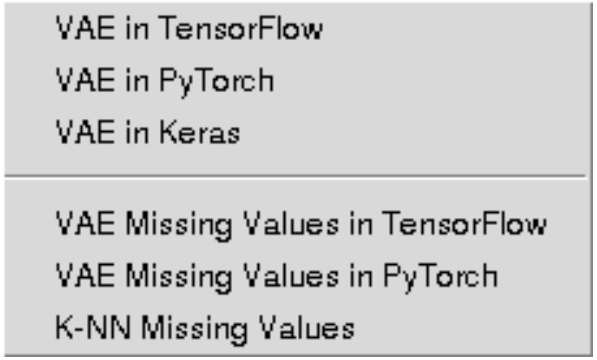
First, go to the project directory of the thesis and install the Python dependency libraries, by typing:
pip install -r dependencies.txt

To run the GUI from the terminal, type:
python vaes_gui.py

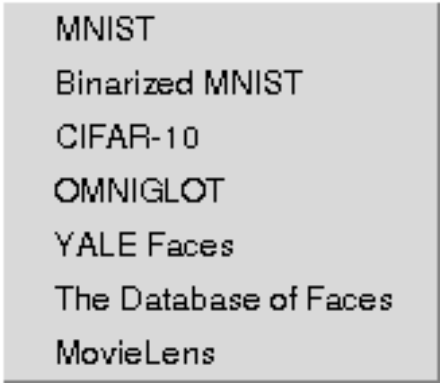
GUI Welcome page.



GUI Algorithms and Datasets dropdown menus.

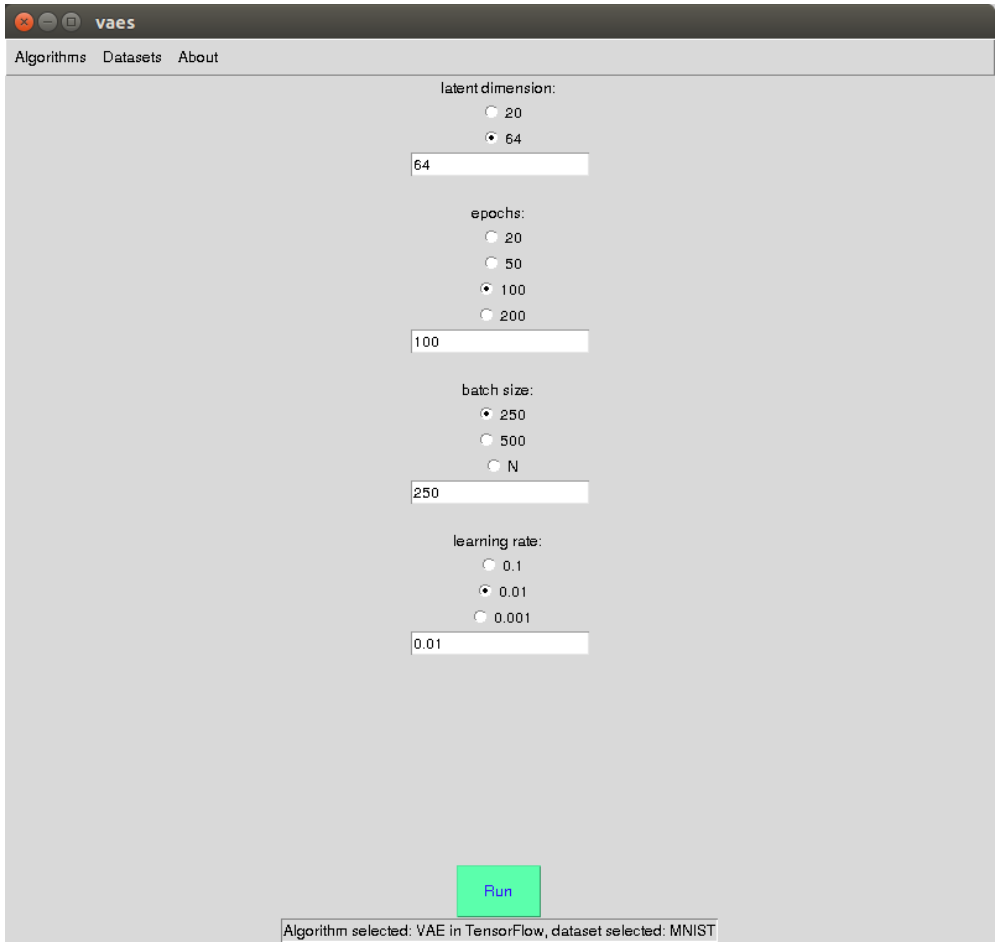


GUI Algorithms dropdown menu.

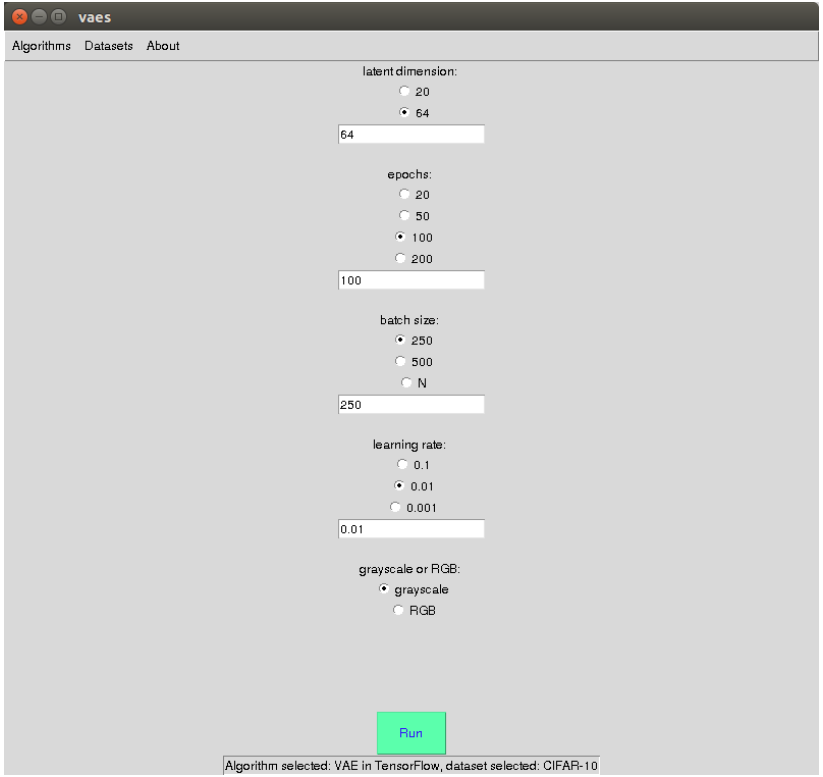


GUI Datasets dropdown menu.

GUI VAE in TensorFlow, MNIST dataset.

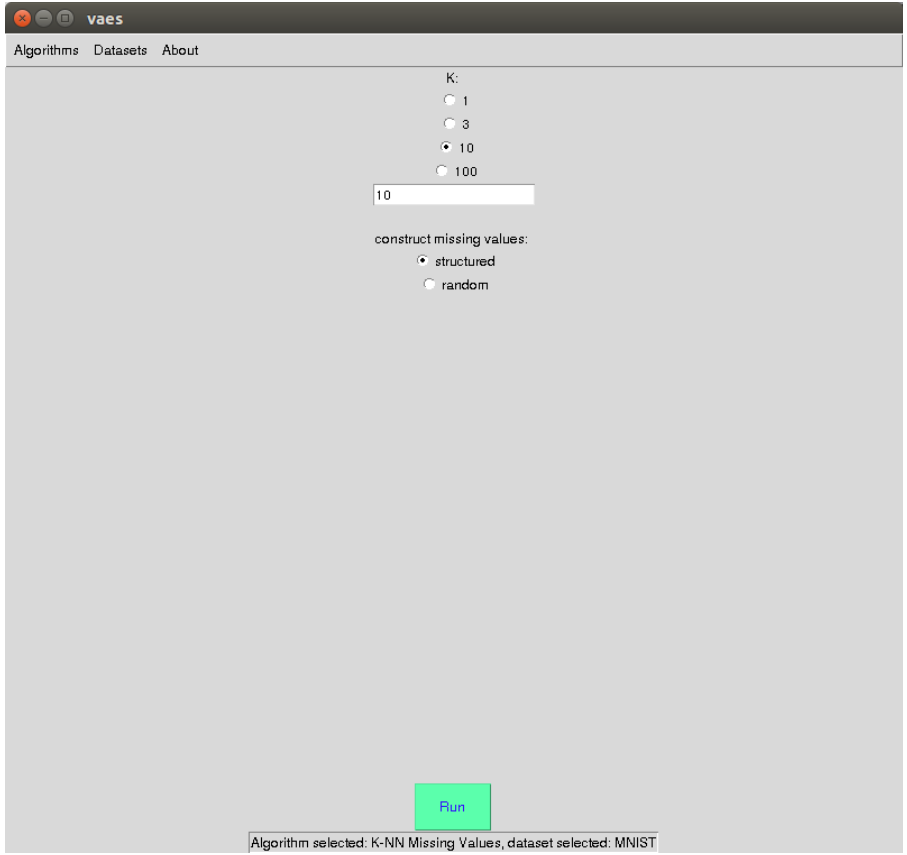


GUI VAE in TensorFlow, CIFAR-10 dataset.

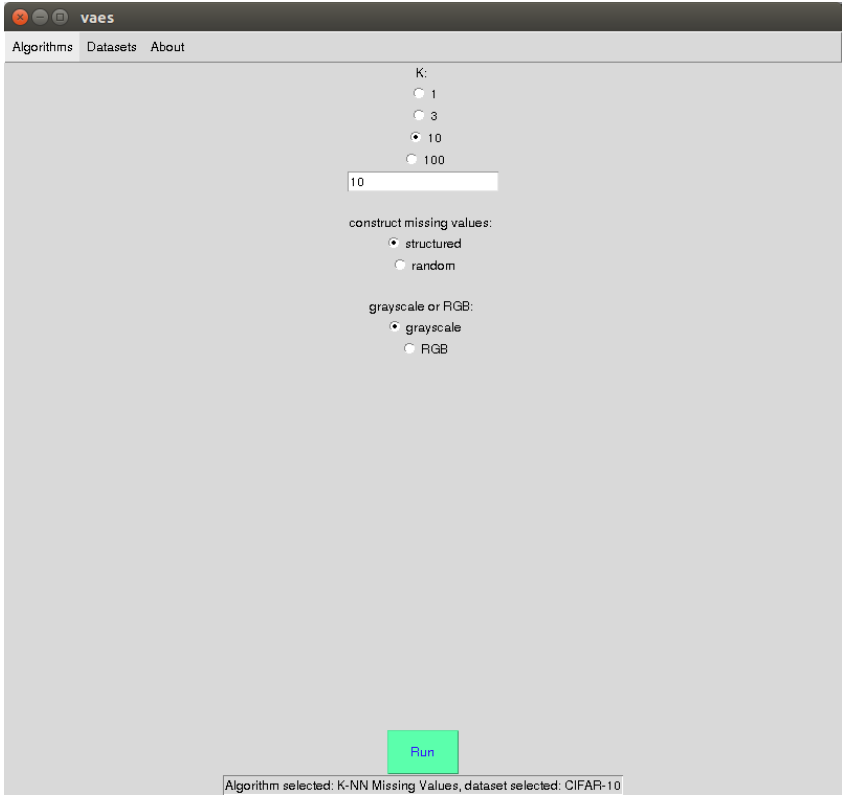


GUI VAE in TensorFlow, OMNIGLOT dataset.

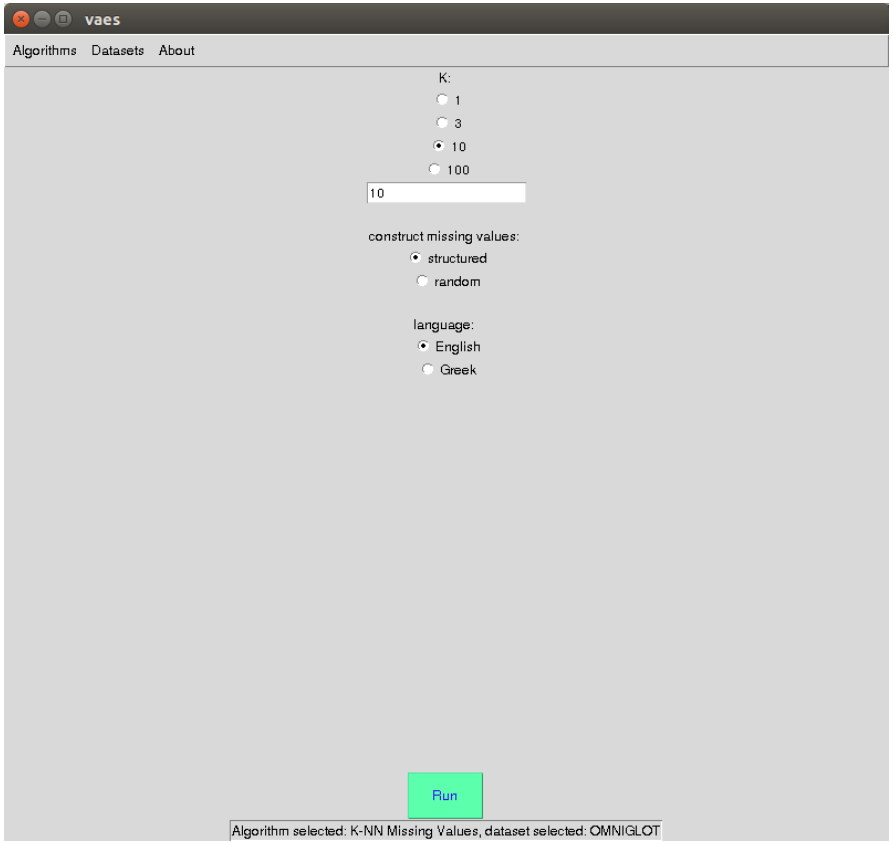
GUI K-NN Recommendation System, MNIST dataset.



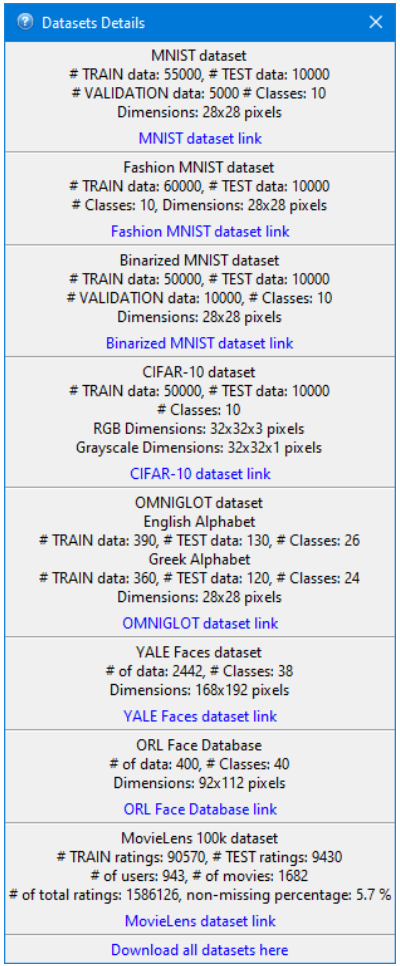
GUI K-NN Recommendation System, CIFAR-10 dataset.



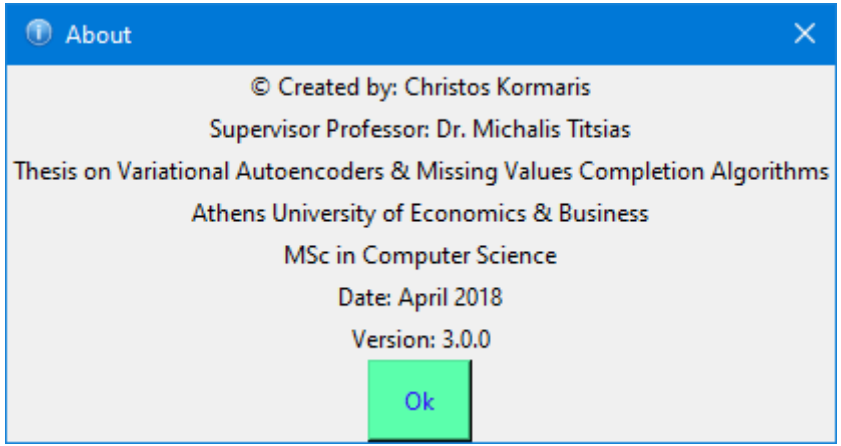
GUI K-NN Recommendation System, OMNIGLOT dataset.



GUI datasets details.



GUI About.


About
© Created by: Christos Kormaris
Supervisor Professor: Dr. Michalis Titsias
Thesis on Variational Autoencoders & Missing Values Completion Algorithms
Athens University of Economics & Business
MSc in Computer Science
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