In this project I reproduced the ISOMAP algorithm results in the original paper for

ISOMAP, J.B. Tenenbaum, V. de Silva, and J.C. Langford, Science 290 (2000) 2319-2323.

The data used in this project, isomap.mat (or isomap.dat) contains 698 images, corresponding to different poses of the same face. Each image is given as a 64 \* 64 luminosity map, hence represented as a vector in R4096. This vector is stored as a row in the file. [This is one of the datasets used inthe original paper]

In this project, I implemented the ISOMAP algorithm from scratch in Python.