This project intends to perform a standard algorithm for K-mean clustering on different datasets.

I will do the following things in both parallel and normal way:

1. Perform the algorithm on random 2d vectors

and visualize the clustering.

2. Perform the algorithm on digits MNIST and visualize the mean points to give an image of "average looking" in different clusters.

3. Perform the algorithm on fashion MNIST and visualize the mean points to give an image of "average looking" in different clusters.

And, I posted the times of performing the algorithm on digits MNIST in two different ways.

All of the visualizations are in "Visualization.ipynb."