


Coding exercises for K-means

- (i) From the course GitHub page, download and run the jupyter notebook 05.11 - K-Means.ipynb.
- (ii) In the "two moons" example,  how many clusters are needed until no cluster contains points from both moons?
- (iii) In the digits example (#'s 0-9), which cluster center looks the least like a number?
Why do you think this is?
- (iv) In the color reduction application, change the # of colors in the simplified image.
What does the K-means error represent in this application?

Original Image (10,000 pixels)



16-color Image

