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ECE1390

Problem Set 1 Report

The results I achieved from this showed how clearly the restarts gave me cleaner looking images no matter how many clusters I was doing. The first image here is an image with 7 k's, 30 iterations and 20 restarts.



The next image has 7 k's, 30 iterations and 5 restarts.



I believe the first image shows a cleaner version of the image.

I don't think that doing many iterations after 20 really made to much of a difference in the images. The next image below has 5 k's, 20 iterations and 20 restarts.



The next image has 5 k's, 30 iterations and 20 restarts.



As far as k's go, it really depends on the image. I think image 2 looks better with 5 k's while image 3 looks better with 7 k's.

