4. Another Clustering Example: Image Quantization

Exercises due Apr 19, 2023 08:59 -03 Completed

Another Clustering Example: Image Quantization

0:00 / 0:00 1.0x

Video
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Clustering in Image Quantization

1/1 point (graded)
In the video above, Professor Barzilay described how we can cluster colors into similar image with the "representative" colors of each cluster.

As shown in the lecture, the image below is the original image.

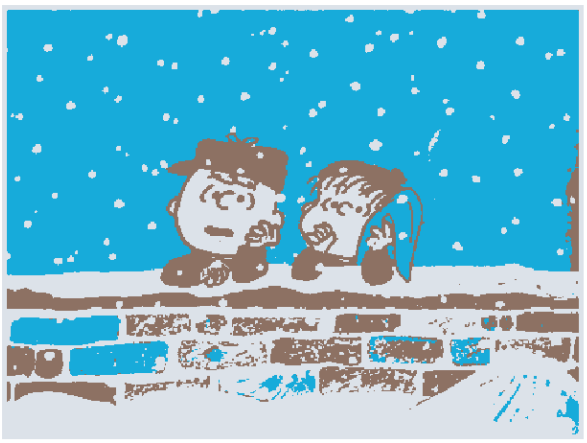
2 ✔

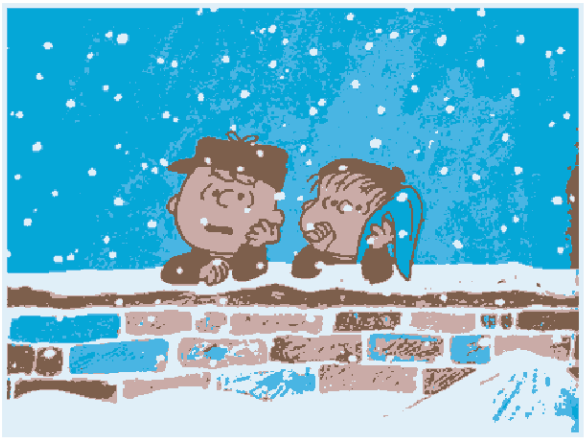
Submit You have used 1 of 2 attempts

Clustering in Image Quantization

1/1 point (graded)

If we use , which of the following will be the compressed image?





Submit You have used 1 of 2 attempts

Discussion

Topic: Unit 4. Unsupervised Learning (2 weeks) :Lecture 13. Clustering 1 / 4. Another Clustering Example: Image Quantization

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- Trying to understand how the formula is derived in the whiteboard?
  It shows 1024*1024*5 + 32* 24. So what does 5,32, and 24 represent? And what is this whole equation tryin
- Unclear on what we are doing especially regarding the formula here and the K
  Hi all, while I guessed using my eye sight, what the K here represented, I am confused what the formula mea
- The math that leads to 3M at 1m 12s?
  So the chalkboard at 1m 12s reads: 1024 × 1024 × 24 ~3M. When I try to solve this on a calculator, I get ~25.