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Data Visualization

Assignment 4

Question 7

1. What are the huffman codes ?

The huffman codes are a type of prefix code that is mostly used in lossless data compression.

1. What is the size of your compressed image ?

(1\* 50) + (2\*2000) + (3\*50) + (4 \* 500) + (5\*1000) + (6\*400) + (7\*6000) / 8 = 6950 bytes.

3. What is the achieved compression ratio ?

Question 8

Rainbow colormaps aren’t recommended for a variety of reasons. They are not ideal for qualitative data, they have no inherent ordering, the transitions between colors can be uneven, and the mapping of changing value may not equal the change we see.