

TSM543 Media Formats

Huffman coding

Entropy coding is a compression idea that relies on the natural variation of data. Huffman coding and Lempel Ziv Welch are examples of these.

Task 1: Design the Huffman tree for the following phrase

she_sells_sea_shells

Figure out the Huffman tree, and write it down. Compare it to the rest of the class – is it the same? Are they all as efficient as each other?

Task 2: Consider the LZW of the same phrase, starting with no initial dictionary