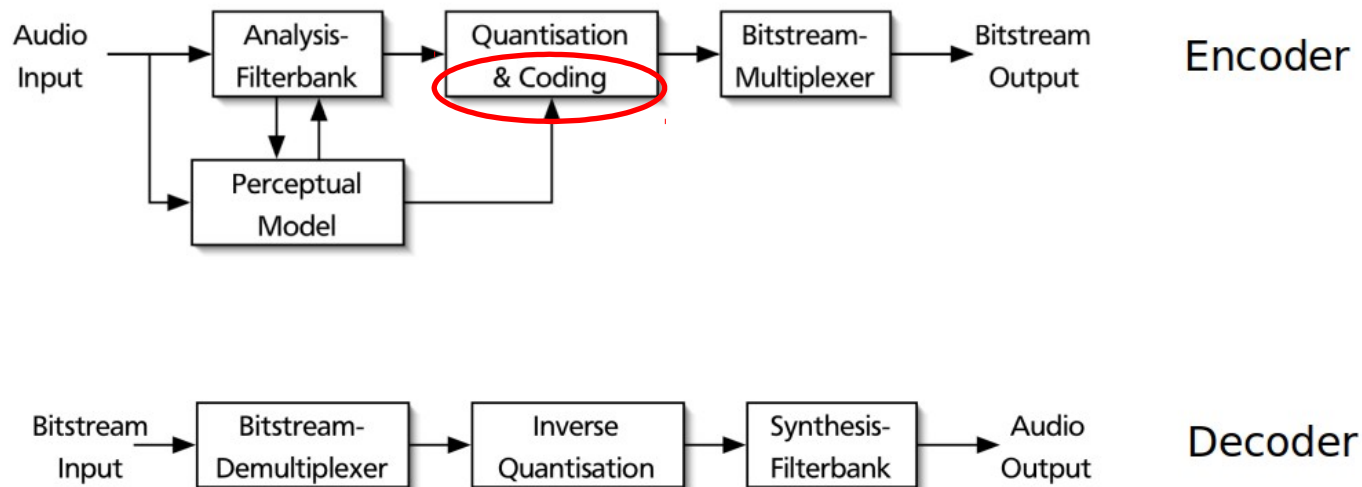

Audio Coding - Practice Lessons

Seminar 5 - Lossless data compression

Perceptual Audio Encoder



Homework Assignment 5

Goal:

- Lossless data compression with Huffman coding

How to achieve that:

- Take your quantizer from home work 1
- Encode quantized indices with Huffman coding
- Save to *.bin file
- Open in the decoder *.bin file and reconstruct your signal
- Plot and Play it back

Homework Assignment 5

Important:

- Quantization, De-quantization, Huffman encoding – functions in separate python library.
- Encoder and decoder – different python files.
- Don't use build in or external libraries for Huffman coding