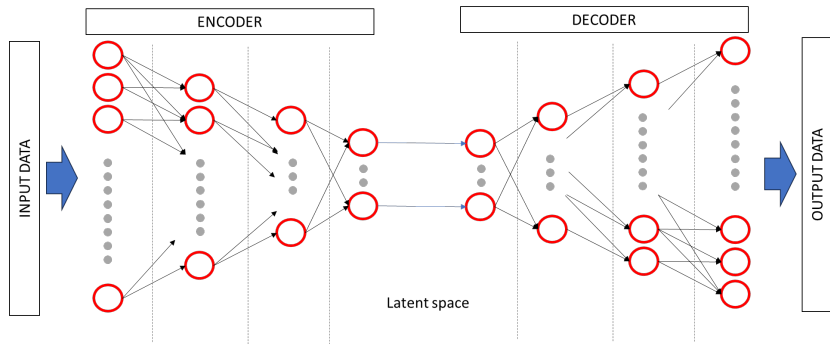


Comparison between Autoencoder and Lossless compression



VS

zlib

gzip

XZ

bzip2

Hardware used for testing

Sever: AMD EPYC 7413 24-Core Processor

Low Cost: Raspberry Pi 4

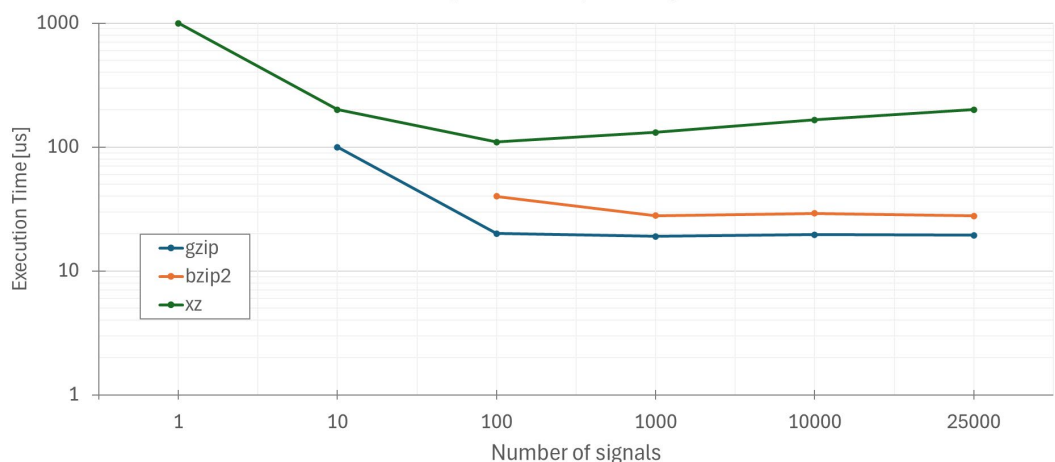
Compression Comparison

Autoencoder perform better on few data

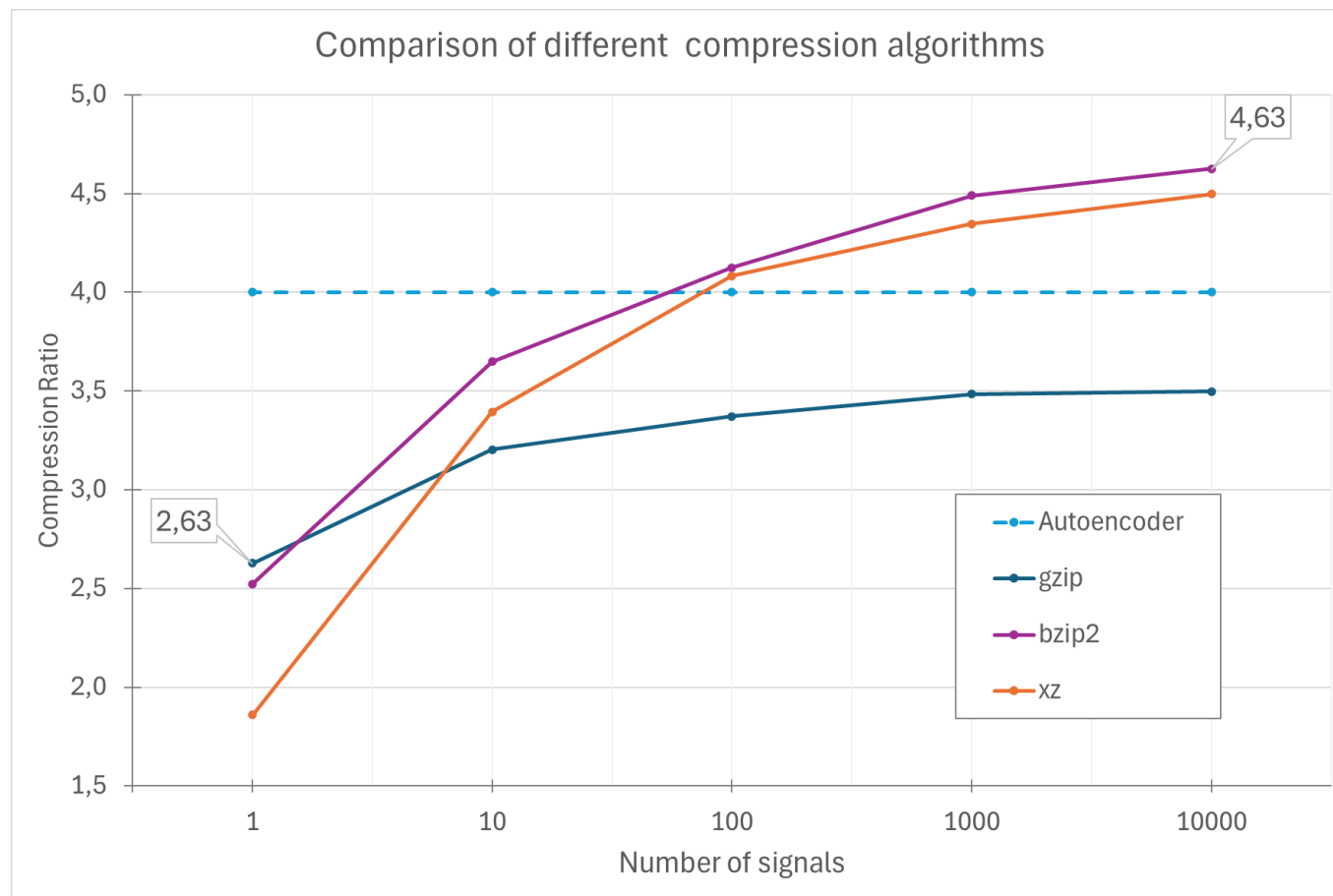
1,52 times better on signal signal compression

gzip compress faster than other algoritms

Linux Compression of pulse signals



Comparison of different compression algorithms



Execution time detailed analysis

Custom implementation with zlib to compress data in memory

Autoencoder perform better both in low cost hardware and on server.

2,47 times faster on low cost hardware
2,51 times faster on server

