Lecture 8 - Evolutionary strategies

- Evolutionary strategies are an example of evolutionary algorithms

- They are mostly used for continuous numerical optimization

Crossover

- Average of each value

- Linear combination of values (weighted average, that sums to 1)

- Uniform crossover (each value of a parent is drawn with 0.5 probability)

Neighbourhood of a vector of numbers

- We don't assume that numbers have finite resolution

Mutation

- Creep mutation - adding a random value with mean 0 to each gene.