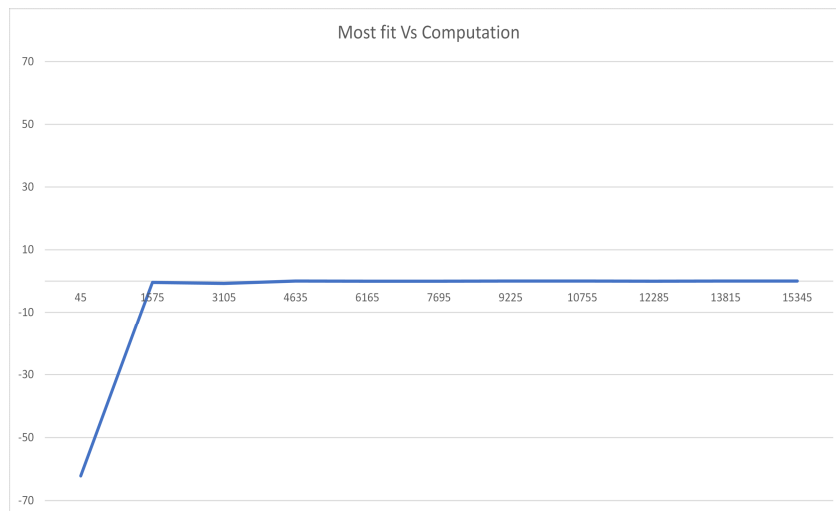
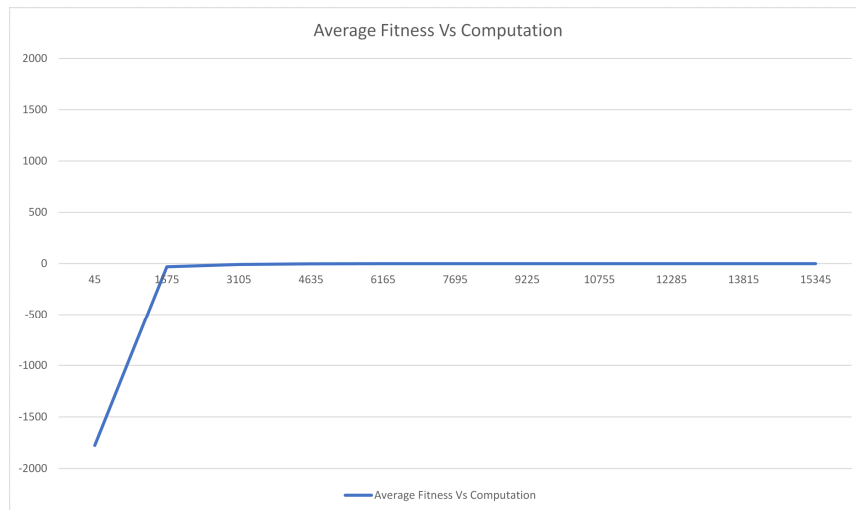


Homework 2

Friday, February 25, 2022 11:18 AM



PDF of homework page



This is only for 10 generations but you can see the first point is pretty bad but then the second point gets a lot better and the rest of the point is about the same.

This program was used with the oracle JDK 17.0.2 with the IntelliJ Idea as the IDE

To run this program you can use IntelliJ as the compiler or you can compile the Java files into jar files with a manifest and then run them that way.

Arguments will need to be past to the programs as well

These are some sample arguments that were past to the arguments

```
java 17 SDK of 'homework2' module | com.company.Main_EA

name=ea_algorithm
mu=15
lambda=100
sigma=0.1
generation_maxcount=500000
dimension_size=10.0
alpha=0.5

name=bs_population
terminate_gen_value=300000
terminate_value=0.2
bit_string_length=64
pop_size=100
crossover_rate=0.9
mutation_rate=0.01
dimension=10.0
elitism=3
```

