

0.1 Determine the best Number of Cycles for the Evolutionary Algorithm

0.1.1 Experimental Setup

Given the chosen configuration from ?? and the chosen hyperparameters of ??, we explore the effects of different stopping points for the evolutionary algorithm.

We choose to run the configuration for evolution cycles from 5 to 100 in steps of 5. We keep the mutation rate at [0.1] for each mutation type. The remaining procedure follows the process described in ??.

0.1.2 Results



Figure 1: This bar-graph shows the effects of increasing the cycle count.

	col2	col3	col4
index1	42	1337	21
index2	84	1337	0

Table 1: This table shows the results of the mixed linear model using viability as dependent variable.

	col2	col3	col4
index1	42	1337	21
index2	84	1337	0

Table 2: This table shows the results of the mixed linear model using feasibility as dependent variable.

As seen in Figure 1, [... TBD].

0.1.3 Discussion

The results can be explained as [... TBD]. Now, we can use this information to select [XX] as optimal number of iteration cycles.