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. For each configuration we choose the mutation rates chosen in **??**.

We use the resulting viability and feasibility as dependent variables and each count of evolution cycles as independent variable.

The remaining procedure follows the process described in **??**.

0.1.2 Results

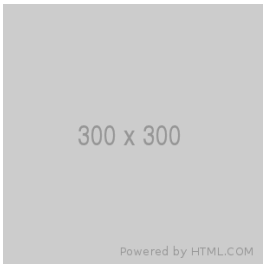

Figure 1: This bar-graph shows the effects of increasing the cycle count.

	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.

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.

	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.