0.1 Determine the best Generator Algorithm

0.1.1 Experimental Setup

Knowing the combinatory set of configurations **??**, the chosen hyperparameters **??** and the optimal number of iterations from **??**, we compare the evolutionary algorithm with other algorithms.

In this comparison, we other models mentioned in **??**. Namely, the *Case-Based Generator* and the *Random Generator*.

We use the resulting viability and feasibility as dependent variables and each generator type as independent variable.

For the evolutionary configurations we choose the configuration set of **??**, the hyperparameters **??** and the number of evolution cycles from **??**. The remaining procedure follows the established procedure of previous experiments.

0.1.2 Results

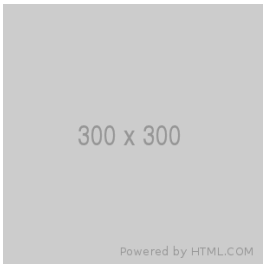

Figure 1: This bar-graph shows the effects of increasing the cycle count.

	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.

In Figure 1, we clearly see that **[... TBD]**.

0.1.3 Discussion

These results show that the **[some model]** is clearly superior to the other models. The reason is probably that **[... TBD]**. Knowing these results, a

	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.

couple of questions remain. Namely, does the result remain consisten for longer sequences and does the result remain consistent for other datasets. **Furthermore, how does this procedure compare to other methods in the literature.** The remaining experiments will address these issues.