**READ ME for the 3Parameter\_recovery folder.**

Param\_recov.py: Script that simulates the parameter recovery of the ε-α-λ model in 4 adversarial environments- the human/pigeon (HP) environments with 2, 4 and 8 choice-options and the rat environments with 5 choice options.

Param\_recov\_plot.py: Makes a scatter plot of the parameter recovery for the rat environment and calculated parameter correlations between the simulated estimated parameters.

Results folder:

* HP2\_correlation\_values.xlsx
* HP4\_correlation\_values.xlsx
* HP8\_correlation\_values.xlsx
* rat\_correlation\_values.xlsx
* HP2\_results\_eps-alpha\_lambda.xlsx
* HP4\_results\_eps-alpha\_lambda.xlsx
* HP8\_results\_eps-alpha\_lambda.xlsx
* rat\_results\_eps-alpha\_lambda.xlsx

The first 4 of these files contain the correlation values of the recoveries (R2, Spearman and Pearson) in said environments. The last 4 contain all values (true parameters, recovered parameters, BIC and negLL) of said environments.