**READ ME for the 2Model\_recovery folder.**

Model\_recov\_hpc\_HP2.py: Script that simulates the model recovery of the ε-α-λ model, the ε-α model, the ε-λ model and the ε model the human/pigeon (HP) environments with 2 choice-options. Pbs file was necessary to run this on the HPC

Model\_recov\_hpc\_HP4.py: Script that simulates the model recovery of the ε-α-λ model, the ε-α model, the ε-λ model and the ε model the human/pigeon (HP) environments with 4 choice-options. Pbs file was necessary to run this on the HPC

Model\_recov\_hpc\_HP8.py: Script that simulates the model recovery of the ε-α-λ model, the ε-α model, the ε-λ model and the ε model the human/pigeon (HP) environments with 8 choice-options. Pbs file was necessary to run this on the HPC

Model\_recov\_hpc\_rat.py: Script that simulates the model recovery of the ε-α-λ model, the ε-α model, the ε-λ model and the ε model the rat environment with 5 choice-options. Pbs file was necessary to run this on the HPC

modelrecov\_7models folder: Folder containing analysis scripts from the model recovery for the model analysis of “Alternative memory-based mechanisms for adaptive variability”. Labeling is different then in paper but is explained at the beginning of each analysis script.