Dear user,

Welcome to our GitHub repository, "Strategies-in-the-Repeated-Prisoner-s-Dilemma-A-Cluster-Analysis." Here, you will find files and scripts that were utilized in our research. The repository consists of two folders: an Excel folder and a Python folder.

Python folder:

Within this folder, you can explore various code segments related to the K-means algorithm, maximum likelihood estimation (MLE) for different values of K (3, 4, and 5), comparisons with DF2018 and BB2021, a plot file that allows you to reproduce the key illustrations presented in the article, as well as code segments for assigning players to deterministic strategies using a memory of 1.

Excel folder:

In this folder, you will find the raw database shared by DF2018, along with summarized data that can be used to run the K-means algorithm. The data is divided into two halves: the first half of the super game and the second half. Additionally, there are memory 2 files available.

Please feel free to explore the contents of the folders and utilize the files and scripts for your research purposes. If you have any questions or require further assistance, don't hesitate to reach out.

Best regards,

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