

Weekly Report 4

Aki Kankaanpää

Hours spent this week: 37 hrs

What have you done this week?

Based on feedback I actually finished the algorithm, and based on a meeting made it function as intended. I have now created the desired algorithm.

Now it compares the different lengths (stored as frequencies in designated dictionaries), and chooses the best one, constantly comparing them. The predictions are quite accurate, while still showcasing that it is based on predictions.

How has the project progressed?

Very well, the core technical part is done.

The shift from probability calculations to frequencies made things easier. For such simple calculations, dictionaries work fine.

What did you learn this week / today?

I learned that multi-level Markov Chains are extremely nuanced to create in Python.

What has been unclear or problematic?

After my meeting with the course organised, everything is clear!

What next?

Fine-tuning the algorithm, creating a simple UI for players, and possibly creating alternative algorithms to compare with the Multi-Level Markov Chain one.