**1:1 consultation phase**

1. Students submit their revised Thesis Exposé and have 1:1 consultation with teachers.

2. Teachers give final feedback and approve.

**Interaction with KaggleGPT**

**Preparation phase**

1. Students finish required lectures.

2. Students write a draft of Thesis Exposé

- Choose thesis topic and interest related to the contents of the Master program.

- Reflect your knowledge to a 1-2 page Exposé

- Develop an initial idea for a possible topic and research questions.

- Find suitable datasets.

Profile-based Recommendation

Expert-based Recommendation

Knowledge-based Recommendation

Multi criteria-based Recommendation

Question and prompt

**Writing phase**

1. Students write the Thesis.

For everyone question or prompt from students, KaggleGPT should produce 3(4) different answers at once.

* Profile-based recommendation: Master thesis in computer science, machine learning and artificial intelligence in general. Students might not give a precised description and ideas. They just want to have any proposed topics with datasets.
* Expert-based recommendation: Based on the Exposé. KaggleGPT combine with current trends and topics in the fields and proposed challenging ideas with datasets. The output here is intended for good students who want to do challenging ideas.
* Knowledge-based recommendation: the outputs are purely based on the master programs and syllabus with fixed learning outcomes. How a regular thesis should look like.
* Multi criteria-based recommendation: the combined recommendation consider other meta information such as how long is the thesis duration? Is the topic suitable for the restricted time frame? Do students invest in GPU workstation or cloud computing to run experiments? Do students want to have a conferenc and journal submission out of the results. KaggleGPT might ask the students if they have the required criteria.

The design of 4 answers depends on the GUI. Can we have 4 boxes with 4 outputs, they can check which boxes they like?

The question and prompt section and have multi interation. The GUI should have a function to save the output at the end, e.g., in pdf, txt, word.

Each of 4 recommendation type: we will have a dedicated description.