Meeting 1: Morten Mørup

**Time and data:** 15/02/2021 (8.30-?)

**Participants:** All group members

**Questions:**

1. All the questions described in the “counselor agreement” (see GitHub).
2. How do you want us to tackle the PyTorch vs. TensorFlow vs. Keras situation? The most promising implementations are in TensorFlow. However, it would seem more beneficial for us to implement in it PyTorch as (1) this is the framework most often used by DTU courses and (2) we have 2 group members with extensive PyTorch knowledge.
3. How much are we allowed to just build our solution on already existing code on GitHub? The project states that we should use WaveNet as our TTS-algorithm. However, there isn’t a lot of concrete information about how to implement WaveNet (only a bit information about the theory behind). WaveNet-based algorithms seems to be state of the art – but the implementations that can be found online clearly shows that implementing something like this from the bottom is above our level. As example we have found an open source project called “Tacotron 2” maintained by NVIDIA. Could a large part of our project just be to learn how this algorithm works and how we can make it work on our own system (possibly with some modifications)?
4. The book for the course describes that it is a good idea to talk with the counsellor about whether the counsellor has any literature he/she can recommend. Do you have any such recommendations to theory or methods that might be relevant?
5. How do you recommend we structure the following weeks and the total project times (e.g. when do we search literature and when do we start to code)? Do you recommend that we split up into multiple groups of 1-2 people and work in parallel on different problems/search different types of literature? Do you have any recommendations on how we can get a better overview of the project (what should be done)?
6. How should we split up the counselling between you (Morten Mørup) and Corti? What do you bring to the table that Corti doesn’t (and vice versa).