UNIK4690 Project

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Dairy

Day1 19.04.18

- Feedback on project proposal
- Overview of project
  - simplification
  - binary image → numbers → straight text → Classify
- init; github - atom
- first test of charcter Segmentation

Day 2 26.04.18

- Charcter Segmentation - Projection Histograms - TenserFlow
  - By projection the histogram of the binary image on the Y-axis, we can find where the sentences/lines of text appears. Following, a projection histogram on the X-axis can discover where the charecters appear.
- Classification - Perceptron neural network
  - MNIST dataset - Datasett consisting of several thousand handwritten labeled numbers
    - Numbers ranging from [0-9]
    - Images are 28x28pixels
  - Theoretic accuracy of the network with 2 hidden layers 97%
    - Measured accuracy 97%

Day3 03.05.18

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