STA437: Project presentation

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6/7/2022
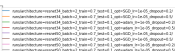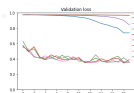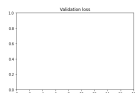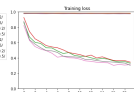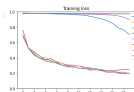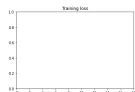
Agenda

- Data set
- Comparison between Adam and SGD optimizer
- Code availability

Data set

- The data set consists out of 199 chest CT volumes of patients with positive RT-PCR for SARS-CoV2
- The goal of the data set is to annotate lesions in the lung CT
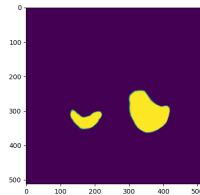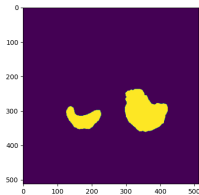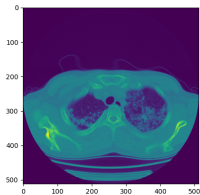- The data can be found here:
  https://covid-segmentation.grand-challenge.org/

Comparison between Adam and SGD optimizer

- Adam performs better than SGD for all three learning rates: 1e-3, 1e-4 and 1e-5

Model inference

- Top 5 test predictions based on the IoU-score

Code availability

- The source code is available in this Github repository:
  https://github.com/joelmeili/STA437/