

Brain MRI project

Research plan

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We would like to work with the Alzheimer dataset available here: <https://www.kaggle.com/datasets/arjunbasandrai/medical-scan-classification-dataset/data> in the field of computer vision. This is a 4-class classification task, where the goal is to classify different stages of the disease based on MRI scans. We plan to compare the performance of several convolutional pretrained models (e.g. ResNet, VGG etc.) on this dataset and possibly test a transformer-based model as well.

Milestones:

- Week 7-8: earlier work with the data, data preparation
- Week 9-11: model training
- Week 12-14: evaluation, paper writing