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Intermediate: Tutorial for "Machine Learning-Based Biomedical Image Analysis"

Thursday 15 September 2022 16:45 (45 minutes)

Brief Content:

This tutorial is designed as a follow-up to the intermediate course "Machine Learning-Based Biomedical Image Analysis" on September 15, 2022 at 10:00 by Paul Jäger et al.

It comprises a hands-on Tutorial on how to train and apply nnU-Net (using google colab). **The number of participants is limited to 30**.

Participation in the course "Machine Learning-Based Biomedical Image Analysis" is mandatory.

Target audience

Data Science, Medical Informatics, Bioinformatics, Robotics

Learning target

Basic principles of Machine Learning and how it is used for Image analysis with focus on the biomedical domain. How to install and apply the state-of-the-art method in biomedical image segmentation: nnU-Net.

Maximum number of participants

30

Previous experience

Participation in "Intermediate: Machine Learning-Based Biomedical Image Analysis", Enthusiasm for IT, General Programming Skills, google account (we use GoogleColab)

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Session Classification: Workshops (Helmholtz Imaging)