Visiopharm Academy

Deep Learning – Beginners (Author AI) (CET time zone)

Course attendees must have basic knowledge of Visiopharm Software and APP development, e.g. having attended our Academy Class: *"Image Analysis for Beginners".* If in doubt, please contact training@visiopharm.com **for more information.**

Day 1

09:00   **Introduction**
Lecture & Exercise
- Introduction to the course format and AI
- Exercise in how to use the build-in AI APPs

10:30   **How to setup and train an AI APP**
Lecture & Exercise
- Detailed walk-through of the AI related settings in the Author view, including Deep Learning frameworks, loss function, probability slider
- Exercise: How to train an AI APP

12:00   **Lunch**

13:00   **How to adjust AI Author Parameters**
Lecture & Exercise
- Advanced Deep Learning settings: Inputs, Learning rate, Data Augmentation

13:30   **Best Labeling Strategy**
Lecture & Exercise
- How to arrange your training data
- Manual annotations vs Machine learning
- Adding new training data

15:00   **Evaluation APP performance**
Lecture & Exercise
- Introduction to different relevant metrics

15:30   **Best Practices working with AI**
Lecture, Q&A

16:00   **End of day 1**

Visiopharm Academy

Deep Learning – Beginners (Author AI) (GMT time zone)

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Day 1

08:00   **Introduction**
Lecture & Exercise
- Introduction to the course format and AI
- Exercise in how to use the build-in AI APPs

09:30   **How to setup and train an AI APP**
Lecture & Exercise
- Detailed walk-through of the AI related settings in the Author view, including Deep Learning frameworks, loss function, probability slider
- Exercise: How to train an AI APP

11:00   **Lunch**

12:00   **How to adjust AI Author Parameters**
Lecture & Exercise
- Advanced Deep Learning settings: Inputs, Learning rate, Data Augmentation

12:30   **Best Labeling Strategy**
Lecture & Exercise
- How to arrange your training data
- Manual annotations vs Machine learning
- Adding new training data

14:00   **Evaluation APP performance**
Lecture & Exercise
- Introduction to different relevant metrics

14:30   **Best Practices working with AI**
Lecture, Q&A

15:00   **End of day 1**