



Spring Term 23 - 8,860,1.00 CS Machine Learning

Lab 02 – SVM & Iris Dataset

Linus, Hamed, and Shijun

Course Logistics Updates

Weekly Updates and Questions

Course Labs and Challenge Roadmap

Event Type	Date	Description	Teaching Assistant	CC Phase
Lab 1	20 Feb 2023	Co-Lab Introduction	Shijun	Introduction
Lab 2	27 Feb 2023	Support Vector Machine (SVM)	Shijun	Ramp-Up Phase
CC 1	06 Mar 2023	Coding Challenge - Kick-Off	Linus	Coding Phase
Lab 3	13 Mar 2023	Fully Connected Neural Networks	Hamed	Ramp-Up Phase
Lab 4	20 Mar 2023	Convolutional Neural Networks (CNNs)	Hamed	Ramp-Up Phase
Lab 5	27 Mar 2023	Long short-term memory (LSTM)	Hamed	Ramp-Up Phase
Semester Break - Happy Easter!				

Course Labs and Challenge Roadmap

Event Type	Date	Description	Teaching Assistant	CC Phase
CC 2	17 Apr 2023	Coding Challenge - Mid-Term	Linus	Coding Phase
Lab 6	24 Apr 2023	Attention	Shijun	Coding Phase
Lab 7	01 May 2023	K-Means, EM Clustering	Shijun	Coding Phase
Lab 8	08 May 2023	Autoencoder Anomaly Detection	Hamed / Marco	Coding Phase
Lab 9	15 May 2023	Transfer Learning / Self-Supervised Learning	Shijun / Linus	Finalization Phase
CC 3	22 May 2023	Coding Challenge - Submission	Linus	Finalization Phase

Lab Objectives

Python, Sklearn, Seaborn, etc.

Lab Objectives

- The intuitions behind SVM.
- How to train and evaluate SVM models.
- Iris Dataset
- If we have time, SVM on MNIST dataset.

Lab Teaching Assistants (TAs)



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Weekly Office hours: Thursdays 02:00 - 03:00 PM CEST (in-person and/or virtual)

Happy Coding! 🧐



CS Machine Learning Class of Spring 2023

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