Applied machine learning

University of Vaasa: ICAT3210 Applied machine learning, 5 ECTS.

This course provides an insight into the implementation of machine learning for applications. The course covers methods needed for data analysis from reading and cleaning the data, imputation of missing values, extracting features and application of machine learning methods to develop an optimized pipeline leading from data to knowledge. The course introduces many machine learning algorithms and discusses their advantages and limitations. Methods for data and model visualization and reporting are utilized throughout the course.

Students who complete this course successfully will be aware of the practical implementation and usage of machine learning algorithms. Furthermore, they will be able to apply machine learning algorithms in real problems using efficient programming languages, for example Python.

Earner: Caius Ribeiro-Kumara
Issued by: FITech Network University
Issued on: 02.06.2022
Expires on: -

Criteria: Open criteria

The course has been completed and the credits have been registered at the organizing university.

Issuer Information

Issuer Description: FITech - The Finnish Institute of Technology was founded in 2017 by seven Finnish universities of technology, Technology Industries of Finland and the Academic Engineers and Architects in Finland TEK. Currently FITech offers courses from nine universities.
Issuer Website: https://fitech.io/
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