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Undervisning og vejledning

A machine-learning based approach to identifying features of constructive journalism in news articles

Tampakis, P.
01/02/2023 → 31/05/2023

Analysis of passing patterns and their stopping points in the Danish SuperLiga

Tampakis, P., Chiarandini, M. & Zimek, A.
01/09/2021 → 31/05/2022

An investigation of machine learning methods in transaction monitoring for financial crime prevention

Tampakis, P.
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Applied machine learning to identify potential purchasers in the insurance industry

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DM564: Database Systems

Schneider-Kamp, P. & Tampakis, P.
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DM576: Database Systems

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DM888: Spatial Data Management

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DS806: Database Systems

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DS806: Database Systems

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Predictive Analytics on Mobility Data

Tampakis, P.
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Predictive Analytics on Mobility Data: The Case of Trajectory Prediction

Tampakis, P.
01/02/2022 → 31/05/2022

Selected topics in spatiotemporal data analysis

Tampakis, P., Chiarandini, M. & Zimek, A.
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The Optimization of open space in football

Tampakis, P. & Chiarandini, M.
01/02/2023 → 31/05/2023

Teaching

In more detail, during the spring semester of the academic year 2012-2013 I was a teaching assistant at the Databases course of the MSc in Advanced Informatics of the University of Piraeus. It was a 6 ECTS course, with a series of theoretical lectures combined with tutorials and hands-on sessions. The examination format was a project with a hand-in that was evaluated and 3-hour written examination. My role in this course was to create the material for the tutorials and the project description, teach the tutorials and hands-on sessions and finally to evaluate the project hand-ins.

During the spring semester of the academic year 2013-2014 I was a teaching assistant at the Databases course of the MSc in Advanced Informatics of the University of Piraeus. It was a 6 ECTS course, with a series of theoretical lectures combined with tutorials and hands-on sessions. The examination format was a project with a hand-in that was evaluated and 3-hour written examination. My role in this course was to create the material for the tutorials and the project description, teach the tutorials and hands-on sessions and finally to evaluate the project hand-ins.

In the academic year 2014-2015, during the fall semester I was a teaching assistant at the Data Management course of the MSc in Advanced Informatics of the University of Piraeus and during the spring semester I was a teaching assistant at the Databases course of the MSc in Advanced Informatics and the Databases course of the MSc in Informatics of the same university. It was a 6 ECTS course, with a series of theoretical lectures combined with tutorials and hands-on sessions. The examination format was a project with a hand-in that was evaluated and 3-hour written examination. My role in this course was to create the material for the tutorials and the project description, teach the tutorials and hands-on sessions and finally to evaluate the project hand-ins.

Furthermore, during the spring semester 2015-2016, I was a teaching assistant at the Databases course of the MSc in Informatics of the University of Piraeus. It was a 5 ECTS course, with a series of theoretical lectures combined with tutorials and hands-on sessions. The examination format was a project with a hand-in that was evaluated and 3-hour written examination. My role in this course was to create the material for the tutorials and the project description, teach the tutorials and hands-on sessions and finally to evaluate the project hand-ins.

During the fall semester of the academic year 2019-2020, I was an instructor on on the Data Management course of the MSc in Distributed Systems, Security and Emerging Information Technologies of the University of Piraeus. It was a 6 ECTS course, with a series of theoretical lectures combined with tutorials and hands-on sessions. The examination format was a project with a hand-in that was evaluated and 3-hour written examination. My role in this course was to co-teach the course with another two instructors, create the material for my lectures and the project description, teach the tutorials and hands-on sessions and finally to evaluate the project hand-ins.

During the spring semester of the academic year 2019-2020, I was an instructor on the Statistical methods for Data Mining course of the Department of Statistics and Insurance Science of the University of Piraeus. It was a 6 ECTS course, with a series of theoretical lectures combined with tutorials and hands-on sessions. The examination format was a project with a hand-in and an oral examination on the project. My role in this course was to co-teach the course with another instructor, create the material (both slides and prerecorded videos) for my lectures and the project description, teach the tutorials and hands-on sessions and finally to perform the oral examination of the projects.

During the spring semester of the academic year 2020-2021, I was an instructor on the Statistical methods for Data Mining course of the Department of Statistics and Insurance Science of the University of Piraeus. It was a 6 ECTS course, with a series of theoretical lectures combined with tutorials and hands-on sessions. The examination format was a project with a hand-in and an oral examination on the project. My role in this course was to co-teach the course with another instructor, create the material (both slides and prerecorded videos) for my lectures and the project description, teach the tutorials and

hands-on sessions and finally to perform the oral examination of the projects.

In the fall semester of the academic year 2021-2022, I arrived at the Department of Mathematics and Computer Science of the University of Southern Denmark. Since all courses were already pre-scheduled, I acted as a teaching assistant for DS831: Programming for Data Science course, which is a 10 ECTS, 1st semester course of the MSc in Data Science. The examination format was a project with an oral examination. My role in this course was to teach the exercise sessions.

In the spring semester of the academic year 2021-2022, I served as an instructor for DS806: Database Systems. It was a 5 ECTS, 2nd semester course of the MSc in Data Science, with a series of theoretical lectures combined with practice sessions. The examination format was 24-hour take-home exam. My role was to co-teach the course with another instructor and re-organize the teaching material.

During the same semester, I also served as an instructor for DM564: Database Systems. It was a 10 ECTS, 4th semester course of the BSc in Computer Science, with a series of theoretical lectures combined with practice sessions. The examination format was a project with a hand-in that was evaluated and a 24-hour take-home exam. My role in this course was to co-teach the course with another instructor, re-organize the teaching material and add a new lecture on NoSQL Databases and Big Data and finally to serve as an internal examiner for the project hand-in.

In 2022, I served as a tutor in the 1st International Summer School on Data Science for Mobility (\url{http://master-school.isti.cnr.it/}). My role was to hold a 1-day course with a lecture part and a hands-on part, which I had to design, develop and teach.

In the fall semester of the academic year 2022-2023, I served as an instructor for DM888: Spatial Data Management, a 5 ECTS elective course of the MSc in Computer Science, which had a series of theoretical lectures combined with tutorial and practice sessions. The examination format was a project with an oral examination. My role in this course was to propose, design and develop the course independently, create the teaching material for my lectures, the project description and the ItsLearning page, teach the tutorials and practice sessions and finally to perform the oral examination of the projects.

During the spring semester of the academic year 2022-2023, I served as an instructor for DM576: Database Systems, a 7.5 ECTS 4th semester course of the BSc in Computer Science, which had a series of theoretical lectures combined with practice sessions. The examination format was a project with a hand-in that was evaluated and a 24-hour take-home exam. My role in this course was to re-organize and refresh the teaching material for my lectures, create the project description, the 24-hour-exam and the ItsLearning page, teach the lectures and some practice sessions and finally act as an examiner for both the project and the 24-hour take-home exam.

In the fall semester of the academic year 2023-2024, I served as an instructor for DM888: Spatial Data Management, a 5 ECTS elective course of the MSc in Computer Science, which had a series of theoretical lectures combined with tutorial and practice sessions. The examination format was a project with an oral examination. My role in this course was to propose, design and develop the course independently, create the teaching material for my lectures, the project description and the ItsLearning page, teach the lectures, the tutorials and the practice sessions and finally to perform the oral examination of the projects.

Currently, in the spring semester of he academic year 2023-2024, I serve as an instructor for DM576: Database Systems, a 7.5 ECTS 4th semester course of the BSc in Computer Science, which has a series of theoretical lectures combined with practice sessions. The examination format is a project with an oral examination. My role in this course was to re-organize and refresh the teaching material for my lectures, create the project description, the 24-hour take-home exam and the ItsLearning page. I teach the lectures and finally I plan to act as an examiner for both the project and the 24-hour take-home exam.

Furthermore, I serve as an instructor for DS806: Database Systems, a 5 ECTS 2nd semester course of the MSc in Data Science, which has a series of theoretical lectures combined with practice sessions. The examination format will be a 24-hour take-home exam. My role in this course was to re-organize and refresh the teaching material for my lectures, create the 24-hour-exam and the ItsLearning page. I teach the lectures and finally I plan to act as an examiner for the 24-hour take-home exam.

The topics that I have taught include Databases, Data Management, Big Data Management, Data Mining and Spatial Data Management, however I am confident in teaching any lesson that falls within the scope of Data Science and Big Data. The software that I have taught during hands-on lab sessions includes PostrgreSQL, MySQL, Oracle, PostGIS, Oracle Spatial, WEKA, Oracle Data Miner, Oracle BI, SQL Server Business Intelligence, Hadoop, Spark, Spark Structured Streaming, Kafka, GeoSpark and Python (Pandas, Scikit-learn, Matplotlib, Seaborn).