



To keep up to date with the latest news please visit  
[moving-project.eu](http://moving-project.eu)



**Information Technologies Institute**  
<http://www.iti.gr/iti/index.html>



**Ernst & Young GmbH**  
<http://www.ey.com/>



**Technische Universität Dresden**  
<https://tu-dresden.de/>



**Know-Center GmbH**  
<http://www.know-center.at/>



**Jožef Stefan Institute**  
<https://www.ijs.si/>



**Leibniz Information Centre for Economics**  
<http://www.zbw.eu/>



**The University of Manchester**  
<http://www.manchester.ac.uk/>



**Leibniz Institute for the Social Sciences**  
<http://www.gesis.org/>



**Fundacja Progress and Business**  
<http://www.pbf.pl/>

**“Training towards a society of data-saVvy inforMation prOfessionals to enable open leadership INnovation”**



**Join our community**  
[platform.moving-project.eu](http://platform.moving-project.eu)

**Twitter @MOVING\_EU**

#### COORDINATOR & CONTACT

**Dr. Vasileios Mezaris**  
Information Technologies Institute (ITI),  
Centre for Research and Technology Hellas (CERTH)  
[bmezaris@iti.gr](mailto:bmezaris@iti.gr)



Funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No. 693092

Filter by

Remove Filters

Year of Publication

2010 2019

Remove Apply

Author / Contributor

Video Concept

Content Type

☒ Video

☒ Lecture

☒ Invited Talk

☒ Event

☒ Demonstration

☒ Tutorial

☒ Poster

Simple search

Research machine learning

Simple search Advanced search

Results 1855

Concept Graph uRank Tag cloud Top properties Trend Analysis

Search results per page 10

Sort by Date Relevance

Machine learning

Fortuna, B. Published 2016-09-05

Machine Learning

Preкуп, D. Published 2016-08-01

Abstract

We provide a general introduction to machine learning, aimed to put all participants on the same page in terms of definitions and basic background. After a brief overview of different machine learning problems, we discuss linear regression, its objective function and closed-form solution. We discuss the bias-variance trade-off and the issue of overfitting (and the proper use of cross-validation to measure performance objectively). We discuss the probabilistic view of the sum-squared error as maximizing likelihood under specific assumptions on the data generation process, and present L2 and L1 regularization methods as priors from a Bayesian perspective. We briefly discuss Bayesian methodology for learning. Finally, we present... more

Optimization for Machine Learning

Published 2010-12-10

Abstract

Our workshop focuses on optimization theory and practice that is relevant to machine learning. This proposal builds on precedent established by two of our previously well-received NIPS workshops: "l@NIPS'08" http://opt2008.kyb.tuebingen.mpg.de/ "l@NIPS'09" http://opt.kyb.tuebingen.mpg.de/ Both these workshops had packed (often overpacked) attendance almost throughout the day. This enthusiastic reception reflects the strong interest, relevance, and importance enjoyed by optimization in the greater ML community. One could ask why does optimization attract such continued interest? The answer is simple but telling: optimization lies at the heart of almost every ML algorithm. For some algorithms textbook methods suffice, but the

MOVING Search feature usage

The visualization shows how often you used each of the available search features

Search input interface

Search result presentation

Simple Search

Advanced Search

Faceted Search

Result List

Concept Graph

uRank

Tag Cloud

Top Properties

Tell me about your experience using the Faceted Search feature.

Submit answer

Recommended documents

Application of artificial intelligence an...

Boris, G.

More

Main search results page of the MOVING platform, with the faceted search functionalities visible on the left and the Adaptive Training Support (ATS) widget on the right

Simple search

Research machine learning

Simple search Advanced search

Results 796348

Concept Graph uRank Tag cloud Top properties Trend Analysis

Reset graph

Starting node type: Document

Show fullscreen

Information & Data Literacy

Finding information

Evaluating information

Managing information & digital content

Communication & Collaboration

Content Creation

Lesson 1 out of 7

Reliability of information

Evaluating information > Information & Data Literacy

Science-related resources, such as scholarly articles, books, etc., are subject to scientific quality criteria and research ethical principles.

Articles published in scientific journals are always peer reviewed. I.e. their authorship, formats, presentation methods and intentions are checked and evaluated by peers, that means by other experts, before publication.

In addition to scientific publications, there are also other digital sources of information, mainly websites and articles in social media and social networks. For these contents other evaluation criteria apply. They require a certain degree of personal information literacy. You will find out how you can evaluate the reliability of these sources in a later lesson.

What is Peer Review?

If accepted, the journal then sends the article to experts in the subject area.

Previous Lesson Next Lesson

The concept graph visualization (left) and the learning page (right)

The MOVING platform helps its users (such as students, scientists, professionals, public administrators) to improve their information literacy.

Perform **scalable real-time search** and retrieve various kinds of documents (including web pages, scientific publications, lectures and videos).

Use the **concept graph visualization** to gain insight into extracted entities and analyze the **relationships** between them.

Train to become a search expert by using the “**Learning-how-to-search**” widget.

Learn to become information literate by using the “**Curriculum Reflection**” widget.

Separate different authors with the same name or **connect different versions** of the same document.

Perform analytics on search results, such as **detection and forecast of trending topics**.

Discover new interesting documents with the “**Document Recommendation**” widget.

Upload new documents and identify related parties.

You can access the MOVING platform for free at [platform.moving-project.eu](https://platform.moving-project.eu)