A new initiative with operations started in Spring 2018

Eight new tenure track professors at the University of Helsinki

A joint effort between University of Helsinki and Aalto University coordinated through HIIT having excellent synergies with the Finnish Center for AI (FCAI)

Director: Sasu Tarkoma,
Vice-Directors Keijo Heljanko and Patrik Floreen

Vision: a World-Class Hub of Data Science in Helsinki

Data Science is an interdisciplinary field about computational processes to extract knowledge and insights from data, and the automation of these processes
Data Science = Extraction of knowledge from data
Objectives

• **Core methodology:** Develop new Data Science methodology, algorithms and platform technology

• **Collaboration:** Increase collaboration between data science, application disciplines and industry

• **Infrastructures:** Ensure improved use and development of the computational infrastructures

• **Open science:** Advance open science

• **Education:** Collaborate in master and doctoral programmes: B.Sc. and M.Sc. Programs in Data Science
Eight HiDATA professors

- Data-Intensive Computing in Natural Sciences: Professor Jukka Nurminen
- Parallel and Distributed Data Science: Professor Keijo Heljanko
- Spatiotemporal Data Analysis for Sustainability Science: Associate professor Laura Ruotsalainen
- Computer Science and Atmospheric Sciences: Associate professor Kai Puolamäki
- Machine Learning and AI: Assistant professor Dorota Glowacka
- Machine Learning and AI: Associate professor Antti Honkela
- Knowledge discovery in big data: Associate professor Simon Puglisi
- Privacy-aware and secure data science: Associate professor Nikolaj Tatti
Data Science for smart cities and services

Pervasive data science

Urban Sense with the City of Helsinki: open sensing data

Addressing Climate Change and Air Pollution with AI: MegaSense

Data Science platform & open data
HiDATA events series in Tiedekulma – Think Corner

21.1. 9:00-11.00: Data Science in Society, HiDATA, CSDS and FCAI

4.3. 9:00-11:00: From Complex Data to Wellbeing, HiDATA and HiLIFE

1.4. 9:00-11:00: Sustainability and Data Science, HiDATA and HELSUS

13.5. 13:00-15:00 To be announced

Remember also streaming (Unitube)


3.3.2020
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