The Machine Learning Arena

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Topics

- Activities to date
- Current Situation
  - Incorporation into CIM
  - Other
Activities to date

- Machine Learning Seminar Series
  - [http://www.it.uu.se/research/group/learning/seminars](http://www.it.uu.se/research/group/learning/seminars)
  - Attendance average ~ 20
- Outreach
  - ML email list – 48 subscribers
  - Documentation of interested staff/phd students at UU. Additional to list ~ 15
- Masters and PhD level courses are provided by individuals within the Arena
- Website
  - [http://www.it.uu.se/research/group/learning](http://www.it.uu.se/research/group/learning)

Current Individual Activities

From current website:

- Data Science MOOCs (Horizon 2020), Industrial Diagnostics (SKF).
  - Mike Ashcroft
- Probabilistic programing languages for statistical models.
  - Johannes Borgström
- Natural Computation and population methods.
  - Olle Gällmo
- Image Analysis
  - Cris Luengo
- Design and analysis of methods for learning from data.
  - Kristiaan Pelckmans
- Nonlinear inference, especially within the context of dynamical systems.
  - Thomas Schön
Current Situation

- Machine Learning Task Force
- Incorporation of ML arena with CIM

Machine Learning Task Force

- Individuals from all divisions
- Recruitment of new junior level research position.
- Examination of ML Course offerings.
- Overseeing of integration of arena with CIM.
Incorporation with CIM

- Affiliation of staff and PhD students
- Merging of seminar series
- Participation in mc2
- Doctoral students
- Additional activities
  - Potential for machine learning theme at CIM’s 2015 workshop.
- 20% administration position