Workshop Machine-Learning for Research

Monday 20/01	Tuesday 21/01	Wednesday 22/01	Thursday 23/01	Friday 24/01
9:00 – 9:30 Coffee/tea. 9:30 – 10:30 **Welcome note** Joris van Eijnatten (director eScience Center) **Brief introductory round.** Get to know all mentors and all projects. 10:30 – 12:30 **ML introduction lectures** *Introduction to machine-learning & deep learning.* Maxwell Cai (SURF) -- coffee break -- *Machine learning in research: dealing with the non-ideal.* Florian Huber (eScience Center)	**In teams:** **Hands-on session** *Data exploration (1)* **All:** 11:00-12:00 **External speaker:** Vincent Warmerdam (GoDataDriven): *"Artificial Stupidity"* Talk followed by Q.& A.	**All:** 10:00-11:00 **External speaker:** Jakub Tomczak (VU): *"(Deep) generative modeling."* Talk followed by Q.& A. **In teams:** **Hands-on session** *Strategy sketching (1).* Try-outs with ML options.	**In teams:** **Hands-on session** *Model exploration (1)*	**In teams:** **Hands-on session** *Wrapping up.*
Lunch **Take group picture.**	**All:** **Lunch** Standup updates.	**All:** **Lunch** Standup updates.	**All:** **Lunch** Standup updates.	**All:** **Lunch** 14:00 – 15:00 **Team presentations.** Discussions, questions.
In teams: **Hands-on session** *Setting up.* First look at data and software. 16:30 **Drinks/Borrel** **(at Maslow, Science Park)**	**In teams:** 1) **Hands-on session** *Data exploration (2)* Look at valid ML options.	**In teams:** **Hands-on session** *Strategy sketching (2).* Try-outs with ML options.	**In teams:** **Hands-on session** *Model exploration (2)*	