Session Program

17-23 Jul 2017



Third Machine Learning in High Energy Physics Summer School 2017

Lectures

Reading, Reading University Reading University, Reading, United Kingdom

Monday 17 July

9:00	Lectures: Day 1 Lectures Session Location: Reading, Reading University, Reading University, Reading, United Kingdom Convener: Alexey Artemov
	09:00-10:30 Lecture 1. Introduction. Why ML works. Overfitting. Model Selection. Figures of Merits. Linear Models. Regularization. Logistic Regression. Speaker
0:30	Alexey Alternov
0:30 4:00	Lectures: Day 1 Lectures Session Location: Reading, Reading University, Reading University, Reading, United Kingdom Convener: Alexey Artemov

Tuesday 18 July



Thursday 20 July

Lectures:	Day 4 Lectures
Session Loc	ation: Reading, Reading University, Reading University, Reading, United Kingdom
09:00-10:30 Lecture 5. Backpropa	Introduction into Neural Network models. Multi-layered Perceptror gation.
Lectures:	Day 4 Lectures
Session Loc	ation: Reading, Reading University, Reading University, Reading, United Kingdom
13:30-15:00	Intro into Deep learning. Convolutional Neural Network. Model zoo
Lecture 6.	ion.

Friday 21 July



Saturday 22 July

09:00	Lectures: Day 6 Lectures Session Location: Reading, Reading University, Reading University, Reading, United Kingdom
10:30	09:00-10:30 Lecture 8 Generative Adversarial Networks, Metric Learning.
13:30	Lectures: Day 6 Lectures Session Location: Reading, Reading University, Reading University, Reading, United Kingdom
	13:30-15:00 Lecture 9. RNNs.
16:00	15:00-15:30 Coffee break
	15:30-16:00 Certificates, Free Discussion