

# School On Scientific Data Analytics and Deep Learning

June 11/16 2018 - Casalecchio di Reno, Italy

## Agenda

	Monday (11)	Tuesday (12)	Wednesday (13)	Thursday (14)	Friday (15)
9.30 - 11.00	<b>Introduction/Logistic</b> <b>HPC vs Big Data</b> <i>G. Fiameni</i>	<b>Programming with R</b> <i>G. Pedrazzi - R. Turra</i>	<b>Apache Spark</b> <i>G. Simonini (University of Modena and Reggio Emilia)</i>	<b>Introduction to Deep Learning</b>  M. Rorro & S. Tagliaventi	<b>TensorFlow - Exercises</b>  M. Rorro - S. Tagliaventi
11.00 - 11.30	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
11.30 - 13.00	<b>Predictive modeling/Machine Learning (part 1)</b>  <i>R. Turra</i>	<b>Programming with R</b> <i>G. Pedrazzi - R. Turra</i>	<b>Apache Spark</b> <i>G. Simonini (University of Modena and Reggio Emilia)</i>	<b>Introduction to TensorFlow</b>  M. Rorro - S. Tagliaventi	<b>TensorFlow - Exercises</b>  M. Rorro - S. Tagliaventi
13.00 - 14.00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
14.00 - 15.30	<b>Predictive modeling/Machine Learning (part 2)</b>  <i>R. Turra</i>	<b>Programming with R</b> <i>G. Pedrazzi - R. Turra</i>	<b>Apache Spark + MLLIB</b> <i>G. Simonini (University of Modena and Reggio Emilia)</i>	<b>TensorFlow - Exercises</b>  M. Rorro - S. Tagliaventi	
15.30 - 16.00	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
16.00 - 17.30	<b>Unsupervised techniques</b>  <i>G. Pedrazzi</i>	<b>Programming with H2O</b> <i>G. Pedrazzi - R. Turra</i>	<b>Apache Spark + MLLIB</b> <i>G. Simonini (University of Modena and Reggio Emilia)</i>	<b>TensorFlow - Exercises</b>  M. Rorro - S. Tagliaventi	