

Ecole de Printemps d'Informatique Théorique : Apprentissage Automatique
Theoretical Computer Science Spring School: Machine Learning
23-27 May, 2022

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| Monday | | 23 May 2022 |
| 9:30 - 10:00 | Welcome | |
| 10:00 - 12:00 | Learning and Graph Theory 1 - 2 <i>Pierre Vandergheynst</i> | |
| 12:30 - 14:00 | Lunch | |
| 14:00 - 16:00 | Optimization and (deep) Learning 1-2 <i>Francis Bach</i> | |
| 16:00 - 16:30 | Coffee break | |
| 16:30 - 18:30 | Multi-armed bandits and reinforcement learning 1 - 2 <i>Shipra Agrawal</i> | |
| Tuesday | | 24 May 2022 |
| 8:30 - 10:30 | Machine Learning in Natural Language Processing 1-2 <i>François Yvon</i> | |
| 10:30 - 11:00 | Coffee break | |
| 11:00 - 12:00 | Multi-armed bandits and reinforcement learning 3 <i>Shipra Agrawal</i> | |
| 12:30 - 13:30 | Lunch | |
| 13:30 - 14:00 | Posters | |
| 14:00 - 16:00 | Privacy in Machine Learning 1 - 2 <i>Rachel Cummings</i> | |
| 16:00 - 16:30 | Coffee break | |
| 16:30 - 18:30 | Optimization and (deep) Learning 3 -4 <i>Francis Bach</i> | |
| Wednesday | | 25 May 2022 |
| 8:30 - 10:30 | Optimization and (deep) Learning 5 - 6 <i>Francis Bach</i> | |
| 10:30 - 11:00 | Coffee break | |
| 11:00 - 12:00 | Learning and Graph Theory 3 <i>Pierre Vandergheynst</i> | |
| 12:30 - 14:00 | Lunch | |
| 14:00 - 16:00 | Multi-armed bandits and reinforcement learning 4 - 5 <i>Shipra Agrawal</i> | |
| 16:00 - 16:30 | Coffee break | |
| 16:30 - 18:30 | Machine Learning in Natural Language Processing 3 - 4 <i>François Yvon</i> | |
| Thursday | | 26 May 2022 |
| 8:30 - 10:30 | Privacy in Machine Learning 3 - 4 <i>Rachel Cummings</i> | |
| 10:30 - 11:00 | Coffee break | |
| 11:00 - 12:00 | Multi-armed bandits and reinforcement learning 6 <i>Shipra Agrawal</i> | |
| 12:30 - 14:00 | Lunch | |
| 14:00 - 16:00 | Learning and Graph Theory 4 - 5 <i>Pierre Vandergheynst</i> | |
| 16:00 - 16:30 | Coffee break | |
| 16:30 - 17:30 | Machine Learning in Natural Language Processing 5 | |

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|---------------|---|
| 16:30 - 17:30 | Machine Learning in Natural Language Processing 5 |
| 17:30 - 18:30 | Posters |
| Friday | 27 May 2022 |
| 8:30 - 10:30 | Privacy in Machine Learning. 5 - 6 <i>Rachel Cummings</i> |
| 10:30 - 11:00 | Coffee break |
| 11:00 - 12:00 | Machine Learning in Natural Language Processing 6 <i>François Yvon</i> |
| 12:30 - 13:30 | Lunch |
| 13:30 - 14:30 | Learning and Graph Theory 6 <i>Pierre Vandergheynst</i> |
| 14:30 - 15:00 | Closing |