

2016 Duke-Tsinghua Machine Learning Summer School: Deep Learning for Big Data

August 1-10, 2016 at Duke Kunshan University

Duke University and Tsinghua University are pleased to announce an exciting summer program in machine learning at Duke Kunshan University (DKU) for 2016. Open to all Duke undergraduates, graduate students, and postdocs, program participants will receive a thorough introduction to the application of machine learning methods to analyze massive data sets (“big data”), from an international team of leading faculty and researchers. A particular focus will be placed on methods that employ “deep” or hierarchical models, and participants will learn state-of-the-art techniques for the analysis of image, video, and text data. In addition to classroom instruction, students will be given hands-on training in code development and testing, with application to real datasets.

During the program, participants will learn:

- The latest techniques for deep model development and techniques for model learning
- Efficient methods for the inference of latent model parameters—from model application to real data
- The underlying statistics that motivate deep models
- How to apply advanced techniques in code development

The beautiful DKU campus in Kunshan, Jiangsu Province, China will host this unique program, with all classroom, meals, and student living arrangements provided on campus. Experiential learning components of the program will include excursions to nearby Shanghai. For more information, including course details and faculty bios, please visit <https://dukekunshan.edu.cn/en/events/machine-learning-2016>.

Program costs

The program fee during the early application period is ¥6800 CYN (~\$1050 USD) and includes tuition, on-campus housing, meals, and excursions to Shanghai (includes hotel—meals in Shanghai are not included). This fee increases to ¥7480 CYN (~\$1150 USD) during the normal application window. Duke participants are responsible for their own travel arrangements and any associated costs.

***The first 20 Duke participants accepted into the program during the early application period will receive a \$500 USD credit towards the program fee from the Office of the Vice Provost for Research. Please contact Kelly Lindblom, Ph.D. (kelly.lindblom@duke.edu) for more information concerning this offer.*

Important program dates

Early application period

Application deadline: March 18, 2016
Interview period: March 28 – April 8, 2016
Decision announcement: April 15, 2016
Deposit deadline: April 29, 2016

Normal application period

Application deadline: April 29, 2016
Interview period: May 9 – 20, 2016
Decision announcement: May 27, 2016
Deposit deadline: June 10, 2016

**For additional program details and registration, please visit
<https://dukekunshan.edu.cn/en/events/machine-learning-2016>**