

Deep Learning with Healthcare Genomics

Duration

8 hours

Modality

- Instructor-led
- Online ILT

Course Number

- MR-1CN-DLHG
- MR-1LN-DLHG

OVERVIEW

This workshop covers image classification with DIGITS, how to predict radiomics using Keras and Tensorflow, and how to use the dragoNN toolkit on real genomics data.

COURSE OUTLINE

- Image Classification with DIGITS
- Image Classification with TensorFlow: Radiomics - 1p19q Chromosome Status Classification with Deep Learning
 - Learn how to detect the 1p19q co-deletion biomarker using deep learning (specifically CNNs)
- Deep Learning for Genomics using DragoNN with Keras and Theano
 - Explore using the DragoNN toolkit on simulated and real regulatory genomic data, demystify popular DragoNN architectures, and learn to model and interpret regulatory sequence using DragoNN models.

MODALITIES**Classroom**

Traditional classroom training, with hands-on labs or case-studies, delivered at one of our many training centers worldwide, by a highly qualified Dell Technologies instructor.

Virtual Class

A real-time interactive training experience where students participate online to access the Classroom virtual classroom. Lecture, discussion, questions and answers, and lab exercises make this a rich and flexible training experience.

CONTACT US

Engage your local Education Services Account Manager for local pricing information and scheduling classes. Visit us online at education.dell.com or call +1 888 362 8764 (US).