

COMP 565. MACHINE LEARNING IN GENOMICS AND HEALTHCARE.

Credits: 4

Offered by: Computer Science (Faculty of Science)

This course is not offered this catalogue year.

Description

Linear models in statistical genetics, causal inference, single-cell genomics, multi-omic learning, electronic health record mining. Applications of machine learning techniques: linear regression, latent factor models, variational Bayesian inference, neural networks, model interpretation.

- Prerequisites: (BIOL 202 or BIOL 302) and MATH 324 and (COMP 451 or COMP 551), or equivalents.
- Restrictions: Not open to students who have taken COMP 597 or COMP 598 when the topic was "Machine Learning in Genomics and Healthcare".

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