LELAND MCINNES, Tutte Institute for Mathematics and Computing
Topological Data Analysis

Topological data analysis seeks to bring powerful tools from topology to bear on problems in data science, helping to elucidate the geometry and structure of diverse data sets. This mini-course will offer an introduction to relevant topological ideas and approaches, as well as demonstrating how they can be used in data science. Particular focus will be given to problems in unsupervised learning and exploratory data analysis where such tools are most effective.