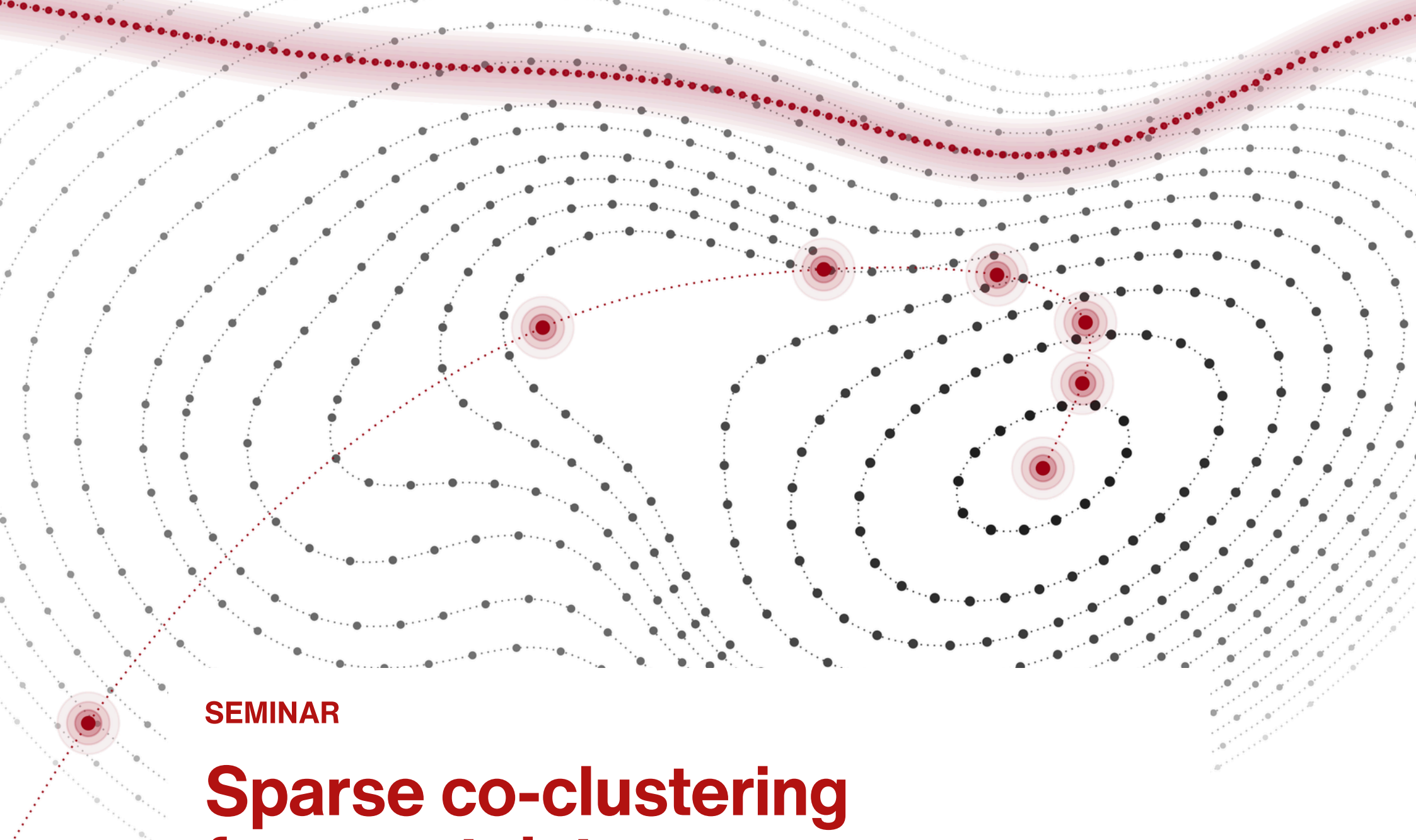




SEMINAR

Sparse co-clustering for count data

by **Brendan Murphy**
University College Dublin



Thursday 8 Oct 2026, 2.30 pm

Dipartimento di Scienze Statistiche - Room Benvenuti

This talk will present a Bayesian model for co-clustering count data. The model uses the overfitted mixture framework to estimate the number of row and column clusters. Additionally, a further overfitted mixture model is used to provide a sparse parameterisation of the model. The model is fitted using Markov chain Monte Carlo using the NIMBLE software. The model is shown to give excellent clustering performance for modelling all-cause mortality data from France and on data from a species discovery problem in ecology.



UNIVERSITÀ DI PADOVA
Dipartimento
di Scienze Statistiche

stat.unipd.it