Working Group on Statistical Learning Seminar

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will speak on

Statistical Chronology Models for Holocene Palaeoenvironmental Reconstruction

Fri 15th April 2011 at 1:00PM

Location: Statistics Seminar Room- L550 Library building

Chronology models aim to reconstruct the sedimentation rate in a single core (typically lake, peat or ocean) given a limited number of age estimates (usually radiocarbon) and fixed depths. Most importantly, they provide a suitably qualified estimate of the uncertainty in the age–depth chronology and thus can be used in a variety of applications.In this talk, I introduce three recently developed Bayesian chronology models (Bpeat, OxCal and Bchron). I make some remarks on how they might be used in palaeoclimate reconstruction. I also present and discuss the results obtained from a large–sample real–data comparison of these models.

This talk is part of the **Working Group on Statistical Learning** series. For more, see
https://maths.ucd.ie/seminars