



**UCD School of  
Mathematics and Statistics**

University College Dublin  
Belfield, Dublin 4, Ireland

Tel +353 1 716 2580  
Fax +353 1 716 1196

**Scoil na  
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath  
Belfield, Baile Átha Cliath 4, Éire

Email seminars@maths.ucd.ie  
Web maths.ucd.ie/seminars

## Statistics and Actuarial Science Seminar

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**Claire Gormley, BA (Mod) (UCD School of Mathematical  
Sciences)**

will speak on

**Mixtures-of-experts models for rank data**

**Fri 24th November 2006 at 4:00PM**

Location: Mathematical Sciences Seminar Room

The social factors which drive voting preferences are often of interest. A heterogeneous sample of voters from the 1997 Irish presidential election are analysed using a mixtures-of-experts model which take account of both a voter's covariates and their ballot. The Irish electoral system gives rise to a wealth of preference data – Benter's model for rank data is thus incorporated to model the ranked nature of the voting data. Model fitting is conducted using a compound EM/MM algorithm. Results identify age and government satisfaction levels as influential social factors.

This talk is part of the **Statistics and Actuarial Science** series. For more, see  
<https://maths.ucd.ie/seminars>