

# Jonathan (Jonty) Rougier

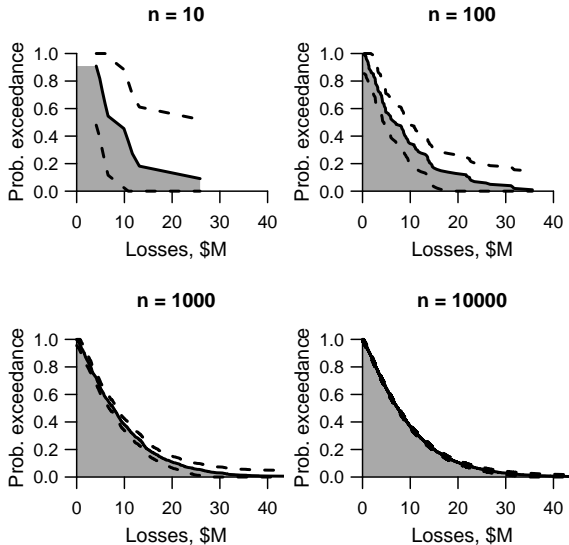


- ▶ Statistician, Dept Mathematics
- ▶ Research interests: uncertainty assessment in complex systems
  - ▶ General theory, computer experiments
  - ▶ Applications in environmental science, notably climate
- ▶ Teaching: Theory of inference, Multivariate Analysis

Some current and recent projects: uncertainty and risk assessment in natural hazards; ice-sheet modelling; palæoclimate reconstruction; climate simulator calibration; climate projection using multi-model ensembles; donkeys.

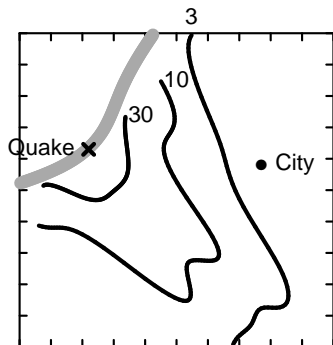
<http://www.maths.bris.ac.uk/~mazjcr/>

# Opportunities to implement standard statistical methods

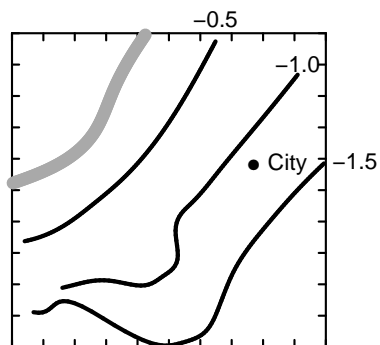


# Opportunities to close gap between hazard and risk

A. Single event, PGA  $\text{cm/s}^2$



B. Prob threshold exceedance,  $\log_{10}$



Mag. 5.1 event, focal depth 9.3 km

Thirty year period, PGA threshold  $5\text{cm/s}^2$