

Homework Policies: You should give a brief and concise explanation for each question. Just writing down an answer with no explanation is usually not sufficient. If the homework requires output from Stata, incorporate that output into your written assignments. Homework is due at the *beginning* of class on the day indicated.

- (1) M&M 7.99, page 479
- (2) M&M 8.43, page 517
- (3) M&M 8.77, page 523
- (4) M&M 12.2, page 644
- (5) M&M 12.4 page 648
- (6) M&M 12.29, page 675
- (7) M&M 12.30, page 675

Famous Statistician of the Week**Who is this?**

Valerie Isham

Why is she cool?

Valerie Isham is a Professor in the Department of Statistical Science at University College London. Her research in applied probability involves the development and application of stochastic models. Her theoretical work contributes to the toolbox of tractable models available to an applied probabilist, and she is involved in interdisciplinary projects that apply such models to the physical and medical sciences.

"I use probability, or probability models, to represent the real world in some way. So I spend a lot of my time exploring models per se: thinking about assumptions that might be appropriate to a range of situations, and seeing what the consequences of those assumptions are."

Courtesy of <http://www.ma.hw.ac.uk/~ndg/fom/ishamqu.html>