

Acadia MATH 4013A1/5843A1, SFU STAT 890-4,
UBC STAT 547L
Dynamic Computer Experiments

Derek Bingham, Pritam Ranjan, Will Welch

Simon Fraser University, Acadia University, University of British Columbia

Sep-Dec 2014



Teaching Team

Acadia University

Simon Fraser University

University of British Columbia

Pritam Ranjan, Hugh Chipman

Derek Bingham

Will Welch

(Introduce ourselves)



Audio-visual experts

None of this would be possible without . . .

Acadia University	Duane Currie
Simon Fraser University	Byron Ribble
University of British Columbia	Ian Allison



About You

- Your background?
- What do you hope to get out of the course?

(Introductions)



Evaluation

- Evaluation
 - Assignments 30%
 - Presentation(s) of papers in the literature 30%
 - Theoretical analysis / computing project(s) 40%
- Course webpage www.stat.ubc.ca/~will/cx



Next Steps

- On Tuesday we will start “What is a Computer Experiment”
- Your task
 - Look at the *Technometrics* Issue 4 (November) Special Issue on Computer Modeling
 - Choose a paper
 - No need to read the methodology in detail; just find a (real) computer model
 - Come to Tuesday’s class with a brief description of the application: the inputs to the computer model; the output(s); the scientific objective of the experiment.

