

Tentative schedule for STAT 647 Fall 2009

- 9/1: introduction of spatial data, brief introduction of R
- 9/3: auto correlation
We will finalize our plan on grading policy
- 9/8: stationarity etc
We will form teams for the projects
- 9/10: spatial vs frequency domain
- 9/15: *No class – have team meetings*
- 9/17: point process
Each team will finalize on their datasets for team projects
- 9/22: point process
Team reports on data description and problems to investigate report due
- 9/24: variogram
- 9/29: variogram models, estimation
- 10/1: kriging
- 10/6: kriging
Team reports on variograms due
- 10/8: estimating covariance parameters
- 10/13: change of support
- 10/15: spatial regression
Team reports on kriging due
- 10/20: spatial regression
- 10/22: spatial regression
- 10/27: *Midterm (tentative)*
- 10/29: midterm problems
- 11/3: simulation
- 11/5: nonstationarity
- 11/10: nonstationarity
- 11/12: nonstationarity
- 11/17: process on sphere
Team reports on nonstationarity due
- 11/19: spatial-temporal process
- 12/1: bayesian methods
- 12/3: *Team presentations*
- 12/8: *Team presentations*
- 12/11: *Final team reports due*