

Tentative Schedule of the *Spatial Filtering Workshop* at the University of Texas at Dallas, June 16-20, 2008

Sessions	Monday, June 16	Tuesday, June 17	Wednesday, June 18	Thursday, June 19	Friday, June 20
8:30 – 9:00 am	Registration paper work ¹ & Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9:00 – 10:30 am	Welcome address by Dean Brian Berry Overview: Modeling geo-referenced data [Core instructors]	Spatial auto-regressive models [BI&TI]	Spatial filters for spatial autoregressive models in normally distributed disturbances [TI]	The Generalized Linear Model (GLM) [TI&CH]	Mixed spatial filter models: LMM and GLMM [GR&YO]
10:45 – 12:15 am	Spatial autocorrelation and spatial structures [TI]	Maximum Likelihood estimation and the Jacobian term [GR]	Linear spatial filter models to capture spatial heterogeneities [GR]	Spatial autocorrelation and filtering in the GLM [CH&TI]	Structuring random effects with spatial filters in WinBUGS [GR&YO]
	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:30 – 2:30 pm	Introduction to R [TI&CH]	Introduction to workshop data sets [TI]	Modeling spatial autocorrelation by spatial filtering [TI]	GLM with R [CH&TI]	Spatial Filtering with the G-statistic [Getis]
2:45 – 3:45 pm	Eigensystems of spatial structures [GR]	Introduction to the spdep package [BI]	Geographically Weighted Regression with R [BI]	Modeling spatial autocorrelation in GLM by spatial filtering [CH&TI]	A critical reflection on spatial filtering [Core instructors]
4:00 – 5:00 pm	Mapping with R [BI]	Spatial auto-regressive models in R [BI&TI]	Modeling local spatial heterogeneity by eigenvector interaction terms [YO]	Model local spatial heterogeneity in GLM by eigenvector interaction terms [YO&GR]	Closing session and course evaluation [TI]
5:00 – 7:00 pm	5:30: Welcome reception with Mediterranean Theme	Dinner on your own	Dinner on your own	Dinner on your own	5:30: Closing reception with Texan theme
7:00 – 8:30 pm	Hosted at the Canyon Creek County Club	Special topic: Bayesian spatial autoregressive models [LeSage]	Special topic: Imputing missing data and interpolating spatial filters [YO&GR]	Special topic: Spatial filtering of network autocorrelation in spatial interaction data [CH&TI]	Hosted at the Canyon Creek County Club

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¹ Starting at 8:00 am