GEOGRAPHICALLY WEIGHTED REGRESSION

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http://www.ncl.ac.uk/geography/GWR

Course Outline

Monday 4th August

9:00-9:30	Welcome and Introductions	[Don Janelle]
9:30-10:30	Introduction to GWR	[Stewart]
	An Example of House Prices	
10:30-10:50	Coffee Break	
10:50-12:00	10 Reasons to use GWR	
	Software for GWR (GWR3.0)	[Stewart]
12:00-1:30	Lunch	
1:30-2:30	Examples of running GWR 3.0	[Martin]
	and mapping results in ArcGIS 8	
2:30-2:50	Coffee Break	
2:50-3:40	Lab Session 1: The Use of ArcGIS	
3:40-4:35	Lab Session 2: GWR and Educational Attainment Levels in Georgia	
4:35-5:30	Lab Session 3: GWR and House Price Determinants	

Evening Reception UCSB Faculty Club

Tuesday 5th August

9:00-10:00   Further Issues in GWR   [Stewart]
10:00-11:00 Poisson and Logistic GWR [Chris]
11:00-11:20 Coffee Break
11:20-12:30 Examples of Poisson and Logistic GWR in GWR 3.0   [Martin]
12:30-2:00   Lunch
2:00-3:15   Lab Session 4: Poisson GWR using mortality data in Tokyo
3:15-3:35   Coffee break
3:35-5:00   Lab Session 5: Logistic GWR using educational data in Georgia

Wednesday 6th August

9:00-9:40	Extensions to GWR	[Chris]
9:40-9:50	Break	
9:50-10:30	Extensions to Local Weighting	[Chris]
10:30-10:50	Coffee Break	
10:50-12:00	GW Descriptive Statistics	[Chris]
12:00-1:30	Lunch	
1:30-2:30	Examples of GW Descriptive Statistics using GWR 3.0	[Martin]
2:30-2:50	Coffee Break	
2:50-4:15	Lab Session 6: GW Descriptive Statistics	
4:15-5:00	Discussion of Data	[Stewart]

Thursday 7th August

9:00-9:30   Discussion of day's activities [Stewart]
9:30-10:30   Participants work in pairs using GWR 3.0 on own datasets
10:30-10:50   Coffee Break
10:50-12:00   Participants work in pairs using GWR 3.0 on own datasets
12:00-1:30   Lunch

1:30-2:30   Participants work in pairs using GWR 3.0 on own datasets
2:30-2:50   Coffee Break
2:50-5:00   Participants work in pairs using GWR 3.0 on own datasets

Evening: BBQ on beach

Friday 8th August

9:00-10:40   Student Presentations of Results
                                          [Stewart]
10:40-11:00 Coffee Break
11:00-12:40 Student Presentations of Results
                                          [Stewart]
12:40-1:00   Wrap Up Discussion
1:00-2:30   Lunch

Depending on how long it takes to go through the student presentations, we may need to schedule an extra afternoon session. If so, lunch will be taken at 12:15 and we will resume for the afternoon session at 1:15 which will include the final presentations and the wrap-up session.

Adjournment of Workshop