

Epi-on-the-Island
Time Series Regression
6-10 July 2015

Tentative Schedule

(Instructors: BA= Ben Armstrong; JS= Javier Sanchez; HS= Henrik Stryhn)

Day	Time	Lecture	Laboratory
Mon	8:30 – 9:30	(JS) Introduction to the course, (BA) Introduction to time series regression	
	10:00 – 11:00		Exploring time series data on outcomes and determinants
	11:00 – 12:00 1:30 – 2:15	(BA) Modelling of seasonality and trend	Season and trend
	2:15 – 3:00 3:00 – 3:30	(JS) Controlling for measured confounders	Confounders
	4:00 – 5:00	(BA) Lagged Associations	Lagging
	5:00 - 6:00	Assisting students with preparing their data sets	
Tues	8:30 – 9:30 10:00 – 11:00	(BA) Autoregression, modelling approaches	Autoregression
	11:00 – 12:00	(HS) Alternative approaches for autoregression	
	1:30 – 2:15 2:15 – 3:00	(BA) Time series of counts – Poisson models	Poisson models
	3:30 – 4:15 4:15 – 5:00	(JS/HS) Model adequacy and choice	Model diagnostics
	5:00 - 6:00	Assisting students to get started on their analysis	

Day	Time	Lecture	Laboratory
Wed	8:30 – 9:30	(BA/HS) Multiple time series and hierarchical data	Multiple time series
	9:30 – 10:00		
	10:30 – 12:00	(BA) Distributed lag non-linear models	DLNM modelling
	1:30 – 3:00		
	3:30 – 5:00	Student presentations of data and analysis objectives	
	5:00 - 6:00	Students free to work on own data	
Thur	8:30 – 10:00	(BA) Interrupted time series	Interrupted time series
	10:30 – 12:00		
	1:30 – 2:30		Students work on their own data
	3:00 – 4:00	(BA) Time series of infectious diseases	
	4:00 – 5:00		Students work on their own data or plenum discussions
	Evening	Course dinner	
Fri	8:30 – 10:00		Students work on their own data
	10:30 – 12:00		
	1:30 – 3:00	Presentations by students	
	3:30 – 5:00	Presentations by students, Course wrap-up	