Course Code & Title	**LISS237B Geographic Information Systems (GIS) and Spatial Analysis 2**				
Convenor(s)	Giulia Tozzi				
Institution	QMUL		**Department**	Economics	
Academic Year	2023-24		**Term**	Spring/Summer	
Number of sessions	2	**Research Platform**	Quantitative Research (QuT)	**Length of Session(s)**	7h (of 11h)

Day, Date	Start : End	Room Location
~~Wednesday 5 June 2024~~ Wednesday 12th June 2024	9:00 – 12:00 / 13:00 – 17:00	TBC
Enrolment Links:	Available to book on SkillsForge from **Tuesday 2 April 2024**. Click to log in and register: https://training.kcl.ac.uk/kcl/#he/dev/eventDetails,;em,providerCode=LISS,providerOrgAlias=kcl,number=237B,; Questions? Visit our Training FAQ here: Frequently Asked Questions - LISS DTP (liss-dtp.ac.uk)	

Course Description:

This course will be the natural extension of *Geographic Information Systems (GIS) and Spatial Analysis 1.* In particular, it will build upon the latter and will provide the students with the tools to perform geoprocessing, spatial and quantitative analyses of spatial data.
The course will use the following software: ArcGIS, ArcPY, Python and STATA.

Reading List:

A bibliography with full references will be distributed in class, while for the use of ArcGIS the reference handbook will be provided by the instructor. Additional material (data/codes/etc.) will be distributed.

Eligibility:

The course *Geographic Information Systems (GIS) and Spatial Analysis 2,* building on *pt1*, requires basic knowledge of GIS systems and spatial data, as well as basic knowledge of ArcGIS. The course, furthermore, requires intermediate skills in data management and analysis and the knowledge of STATA. The course is more suitable for research students with some quantitative background.

Pre-course preparation:

Prior to starting the course, students will need to download the software used throughout the course (ArcGIS and STATA). This will require an academic license for both the software. The version of Python used will be the one associated to ArcGIS.

Number of students:

Minimum number required to run: 2

Maximum number of places available: 100 (zoom platform boundary)