



<b>Course Code &amp; Title</b>	<b>LISS248 Regression Using Categorical Dependent Variables: In introduction using STATA</b>		
<b>Convenor(s)</b>	Dr Christian Darko, University of Birmingham		
<b>Institution</b>	King's College London	<b>Department</b>	LISS DTP
<b>Academic Year</b>	2018-19	<b>Term</b>	Summer
<b>Number of Sessions</b>	2	<b>Length of Session(s)</b>	7 Hours
<b>Day, Date</b>		<b>Start : End</b>	<b>Room Location</b>
Monday 21 May 2019		0900 : 1700	<a href="#">Bush House (s) 4.02, Strand WC2R 1ES</a>
Tuesday 22 May 2019		0900 : 1700	<a href="#">Bush House (s) 4.02, Strand WC2R 1ES</a>
<b>Enrolment Link:</b>	<a href="https://goo.gl/mCBV4m">https://goo.gl/mCBV4m</a> (You may be prompted to log into SkillsForge)		

**Course Description:**

The course is a two-day statistical workshop on regression analysis with categorical dependent variables using the STATA software. It will include both taught and practical exercises using data series distributed by the module leader. The taught component will begin with an overview of the most commonly used regression models for categorical outcomes: binary logit and probit, ordinal logit and probit and multinomial logit. Example data will be used to explore these estimation methods. The emphasis in the practical component is on the application of appropriate techniques and interpreting results using secondary data. **The course assumes that students have prior knowledge of common commands in STATA to organise and handle data and undertake standard regression techniques.**

By the end of the two sessions students should have a good understanding of how to run their own regressions with categorical dependent variables using STATA and how to interpret their results.

**Course Outline:**

**Day 1**

**Session 1**

Overview of regression models with categorical dependent variables.  
Getting started: Stata syntax and output  
Methods of interpretation

**Session 2**

Models for binary outcomes: Logit and probit estimation using STATA  
Exercises with logit and probit using STATA

**Day 2**

**Session 1**

Overview and exercises from Day 1, interpretation of results.  
Models for ordinal outcomes: ordered logit and probit  
Models for nominal outcomes: multinomial logit

**Session 2**

Exercises with ordered logit and probit and multinomial logit using STATA



**London Interdisciplinary Social Science Doctoral Training Partnership**

**Advanced Research Methods in Social Sciences**

**Reading List:**

[J. Scott Long](#) and [Jeremy Freese](#), 'Regression Models for Categorical Dependent Variables Using STATA', Third Edition 2014

**Eligibility:**

Students at any stage of their PhD who have either taken LISS244 Panel Data and Introduction to STATA or can demonstrate that they have taken an equivalent module elsewhere. Prior knowledge of using STATA is essential.

**Pre course preparation:**

N/A

**Number of students:**

15