

# Regression Analysis: A Hands-on Approach

## Timetable

### Day 1

<b>09:00</b>	<b>Registration and Coffee</b>	
09:15	Introductions	
09:35	Session 1: Exploratory Data Analysis: Modelling Relationships	AAL
10:00	Practical 1	
10:30	Session 2: Simple Linear Regression	AAL
<b>11:30</b>	<b>Coffee break</b>	
11:45	Practical 2	
<b>12:45</b>	<b>Lunch</b>	
13:30	Session 3: Model Checking	PC
14:30	Practical 3	
<b>15:15</b>	<b>Coffee break</b>	
15:30	Session 4: Comparison of Regression Lines	PC
16:30	Practical 4	
17:30	End of Day	
<b>18:30</b>	<b>Dinner for participants continuing to Day 2</b>	

### Day 2

<b>09:00</b>	<b>Coffee and registration for new participants</b>	
09:15	Session 5: Multiple Linear Regressions	PC
10:15	Practical 5	
<b>11:15</b>	<b>Coffee break</b>	
11:30	Session 6: Case Study – use of the Logarithmic Transformation	AAL
12:15	Practical 6	
<b>13:00</b>	<b>Lunch</b>	
13:45	Session 7: Modelling Curved Relationships	PC
14:30	Practical 7	
<b>15:15</b>	<b>Coffee break</b>	
15:30	Session 8: Issues in Linear Regression (including demonstration)	AAL
16:15	Practical 8	
<b>17:00</b>	<b>Close and Review of Course</b>	

#### Course presenters

Sandro Leidi (AAL)

Paul Chatfield (PC)