

# CAPOD Funding Report

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Event /Course Title	Introduction to Regression Analysis
Date of event	15 January 2019

## 1. Brief description of Event (50-100 words):

This course provides an overview of different regression types and details the application of multiple linear regression. Day one of the course focuses on the theory behind regression analysis, in particular linear regression, and covers the formulation, interpretation and validation of linear regression models. A second, optional day allows delegates hands-on use of a statistical package (SPSS) to see how the theory can be applied to answer a specific research question.

## 2. What were the benefits of attending and what did you gain from the experience in terms of transferable skills and knowledge.

I have taken a number of introductory and basic level statistics courses but this was my first intermediate level course and the first which focused on regression. Enhancing my statistics skills levels was a key incentive for enrolling in my PhD as it provided a tangible opportunity to embed them in practice. Taking this next level up has helped me clarify through practice some of the concepts which I had previously found more confusing. It has better equipped me to develop the methodology for my PhD which I need to present in proposal format shortly. I had an idea of what I wanted to do but this has clarified how I can build this.

Whilst providing me a definite opportunity to enhance my skills and focus better on my own research, the course didn't cover the specific analysis that I need to complete, however the instructor introduced me to a colleague who is doing the analysis I need and I was able to work through some of the problems with them which was a major added bonus and worth attending just on that basis.

## 3. What actions will you be taking as a result of attending or by making new networking contacts.

During the course I wrote up the formulas that I intend to use in my research and ran them by the course instructors and colleagues. I will now insert them directly into my methodology and adapt the whole section on this basis. I am now able to write up my questions in the correct format for this particular analysis.

## 4. Can you share any additional resources produced in connection with the event (e.g. feedback from participants, training resources, website links, and additional materials.

The course was extremely helpful. The instructor was excellent. He delivered the course in a good pace but was happy to stop and answer questions as he went along and even read the room well when

it wasn't clear if people understood so he used an alternate method to explain. In addition to providing the course presentation online, a full notebook was provided with materials for the content of the course and relevant practical examples but also material that goes beyond the course for you to study independently.

#### 5. Tips/experience learned from the event

Go into the course with an understanding of your own research so that you can apply it during the day and even run your thoughts and ideas by the instructors on the day.

#### 6. Any additional comments or information regarding the event

For day one you go through concepts in great detail, day two is application of those concepts using SPSS so if your intention is to learn SPSS then you need to do the second day.