* **Week 7 Overview**

In this week, we will discuss Regression

By the end of this week, you should be able to:

* + Identify regression problems
  + Perform regression on your data
  + Evaluate your regression
* ** Resources**

Have a look at the following resources for more information on regression and modelling

* + [Correlation and causation](https://www.abs.gov.au/websitedbs/D3310114.nsf/home/statistical+language+-+correlation+and+causation)
  + [Correlation vs causation: an example](https://towardsdatascience.com/correlation-vs-causation-a-real-world-example-9e939c85581e)
  + [Statistical Literacy Guide: ("A basic outline of regression analysis", pages 40-41)](https://researchbriefings.files.parliament.uk/documents/SN04944/SN04944.pdf)

**Video 1:**[**Introduction to RStudio**](https://web.microsoftstream.com/video/5941f1e9-e77b-470a-ac62-85b2cc795a5d)  
    
  
**Video 2:**[**Introduction to RMarkdown**](https://web.microsoftstream.com/video/13fa28a0-6976-4aba-8792-ca18b8771a38)  
    

* [[](https://lms.latrobe.edu.au/mod/resource/view.php?id=5819589)Introduction to Linear Regression by David M. LaneFile](https://lms.latrobe.edu.au/mod/resource/view.php?id=5819589)
* [[](https://lms.latrobe.edu.au/mod/resource/view.php?id=5834066)Installing R and RStudioFile](https://lms.latrobe.edu.au/mod/resource/view.php?id=5834066)
* [[](https://lms.latrobe.edu.au/mod/resource/view.php?id=5835957)R regression activityFile](https://lms.latrobe.edu.au/mod/resource/view.php?id=5835957)
* [[](https://lms.latrobe.edu.au/mod/resource/view.php?id=5835958)Data file](https://lms.latrobe.edu.au/mod/resource/view.php?id=5835958)