

Agenda for Wednesday and Thursday, 4th-5th  
May, 2016, Block III  
HLTH 460 and HLTH 462, University of  
Canterbury

Arindam Basu

May 2, 2016

## Workshop Agenda

### Wednesday, 4th May, 2016, Wheki 101

**9:00-9:30 AM** - Start setting up your computers and form teams, log on to sagemathcloud accounts (see more instructions below)

10 minutes break

**9:40-10:30 AM** - Learn steps of working with R to analyse a small data set end to end

10 minutes break

**10:40-12:00** - Principles of Data Preprocessing (Hands on and some theory)

30 minutes break for lunch

**12:30 - 1:30** - Theory, hypotheses, and single and bivariate analyses of data 10 minutes break

**1:40-3:00** - Exploratory and Confirmatory Factor Analysis for Survey Data

### Thursday, 5th May, 2016 Wheki 101

**9:00-10:30 AM** - Revision of Data Preprocessing and simple bivariate data analysis

10 minutes break

**10:40 - 11:30 AM** - Principles of Linear Modelling (simple linear regression)

through multivariate linear regression)

10 minutes break

**11:40 - 12:30 PM** - Principles of Logistic Regression

10 minutes break

**12:40 - 2:00 PM** - Kathryn Mackinven, Funding for research

**2:00-3:00 PM** - Kelly Dombrowski, Writing Research

## Setting up Sage Math Cloud Account

### Steps:

1. Visit the [Sagemathcloud.com](https://sagemathcloud.com)
2. Click on the link
3. Set up providing your username and password
4. Then upload the three files provided in the files folder for this course
5. To work, all you need to do is to put your cursor on the code block and hit shift plus enter. All other instructions will be discussed in the class.