

# STM1001

Making Sense of Data

# WELCOME

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We are looking forward to  
having you in STM1001 this  
semester



EACH WEEK

Contact hours (see Subject Learning Guide):

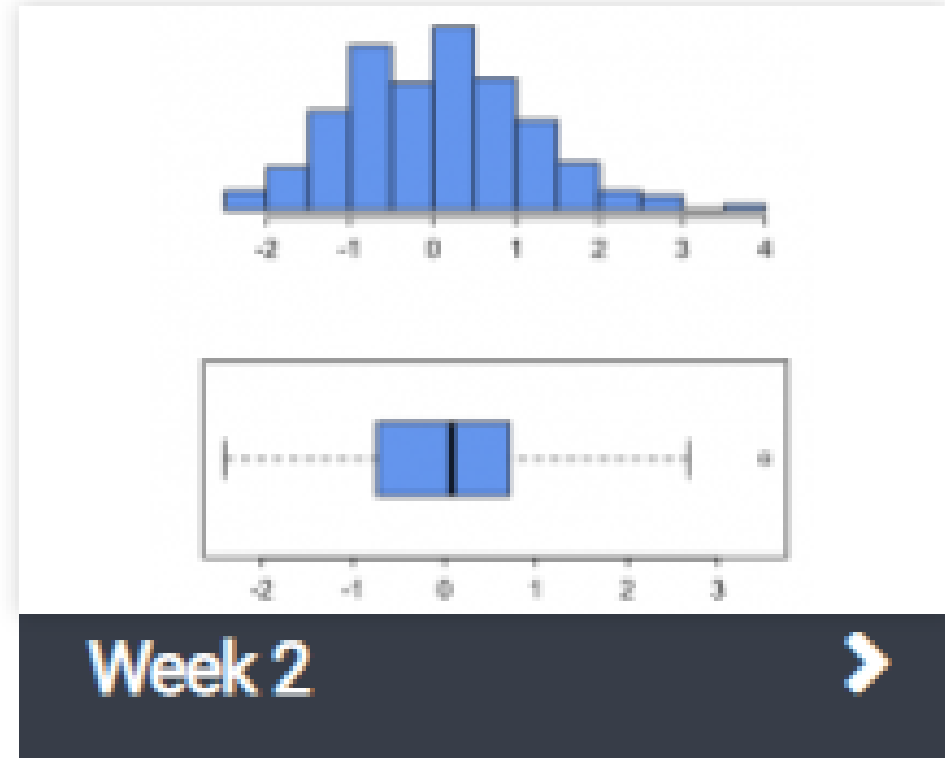
Weeks	Learning Activity	Contact hours
Week 1 only	Lecture (LT01)	1 in Week 1 = 1
1-12	Online readings and videos	2 each week = 24
1-12	One 1-hour Workshop (WS01 for BL / SO02 for OL)	1 each week = 12
1-12	Two 1-hour Computer labs (CL01 & CL02 for BL / SO01 & SO03 for OL)	2 each week = 24

## In Allocate+

- If you are enrolled face-to-face (BL), allocate to LT01, WS01, CL01 and CL02
- If you are enrolled online (OL), allocate to LT01, SO02, SO03 and SO01.

# EXAMPLE OF WEEKLY ACTIVITIES IN LMS

Week 2 tile:



# OVERVIEW

## Week 2

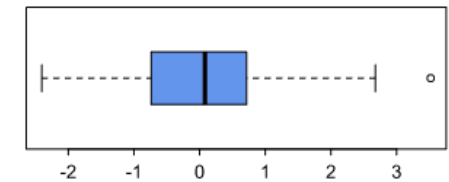
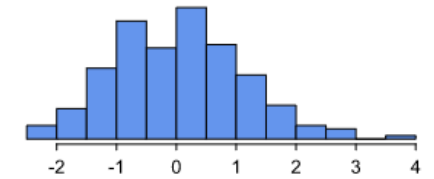
### Week 2 Overview

In this week, we will discuss:

- **Descriptive Statistics** and either
  - **Research Questions and Ethics** (Science and Health stream) OR
  - **Data Visualisation** (Data Science stream)


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

- Describe data using various descriptive statistics and plots
- Produce descriptive statistics and plots using a statistical software package
- Identify which measures are most appropriate, depending on the data at hand
  - Ask a Research Question, incorporating various considerations; understand how to carry out a study ethically (Science and Health)
  - Create interactive and more advanced data visualisations using a statistical software package (Data Science)



# 1. Readings

## A. Core (all students)

 Topic 2 Readings

Quiz 2 is based on the Topic 2 readings. It opens at 9am Monday Week 2 and closes at 11.59pm Monday of Week 3. The quiz can be accessed from the


## B. Science and Health stream only

 Topic 2B Readings (Sci & Health)

## B. Data Science stream only

 Topic 2B Readings (Data Science)

# 2. Workshop

 Topic 2 Workshop

# 1. READINGS, 2. WORKSHOP

### 3. Computer Labs


#### A. Core (all students)

 Computer Lab 2

 Computer Lab 2 - Solutions

**Restricted** Available from 10 March 2022, 1:00 PM


#### B. Science and Health stream only


 Computer Lab 2B (Sci & Health)

 Computer Lab 2B (Sci & Health) - Solutions

**Restricted** Available from 10 March 2022, 1:00 PM

#### B. Data Science stream only

 Computer Lab 2B (Data Science)

 Computer Lab 2B (Data Science) - Solutions

## 3. COMPUTER LABS

# STREAMS (MODULES)

All students do “Core” content

In addition, there is some stream-specific content

Streams:

1. Science/Health
2. Data Science

You only need to do the content that belongs to your stream.

This includes:

- Readings (e.g. Topic 2B)
- Computer Labs (e.g. Computer Lab 2B)
- Assignments 2 and 4 will be stream-specific



# FIRST TASKS

1. Make sure you are allocated into classes via Allocate+
2. Check that you are in the correct stream by clicking the link directly underneath this video. Your stream will depend on your course and/or chosen major.
  - If you believe you have been allocated to the incorrect stream, your student ID is not in the list, or you have not been allocated to a stream, please email [STM1001@latrobe.edu.au](mailto:STM1001@latrobe.edu.au)

## MORE INFORMATION IN “START HERE BOOK”

Including:

Who to contact if you have a question

Where to find help with the subject content

University support services

Assessments

Assessment submission policy

Academic integrity



## KEEP UP TO DATE VIA LMS AND ANNOUNCEMENTS

You can access all  
information for the subject  
via LMS

There will also be regular  
announcements made via  
LMS. You can access these on  
the LMS and in your email

# SEE YOU IN WEEK 1

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We are looking forward to  
seeing you in the Week 1  
Workshop!

