

# COMP828

# Introduction

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## Learning objectives / Overview

- Understand structure and assessment for COMP828
- What is statistical programming?
- Be fluent with R

# Introduction to COMP828: Overview

## Class Times

- Monday, 10-11am (online, MS Teams)
- Friday, 12-1pm (online or on city campus in WZ601)
- Office Hours (to be advised)

## Lecturers

- Dr Nuttanan Wichitaksorn, x5112, [nuttanan.wichitaksorn@aut.ac.nz](mailto:nuttanan.wichitaksorn@aut.ac.nz)
- To be confirmed

## Teaching Assistant

- Wenqiang Liu

## Introduction to COMP824

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Week	Topic	Lecturer
1	Introduction to R and R Studio	NW
2	Summary Statistics and Plots in R	NW
3	Data types and More Plots	NW
4	Data Visualisation	Self+TA
5	Transforming Data	Self+TA
6	Importing Data & Exploratory Data Analysis	Self
7	Data Wrangling	Self+NW
8	Relational Data	TBC
9	Special Types of Data	TBC
10	Application of Simple Statistical Models	NW
11	Further Topics in Statistical Programming	NW
12	Applications	NW

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## Assessment

Assessment	Weighting	Hand out	Hand in
Quizzes	15%	Weekly	Weekly
Assignment	25%	Week 6	Week 8
Project	60%	Week 4	Various
Total	100%		

Exact due dates will be confirmed when assessments are handed out.

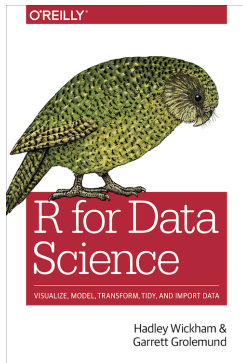
Further details will be provided on Canvas.

Late assignments: 5% penalty per day up to 5 days for assignment and project. No late submission for quizzes.

Special Consideration: for extenuating circumstances (e.g. illness) complete form on Canvas

## Required Reading

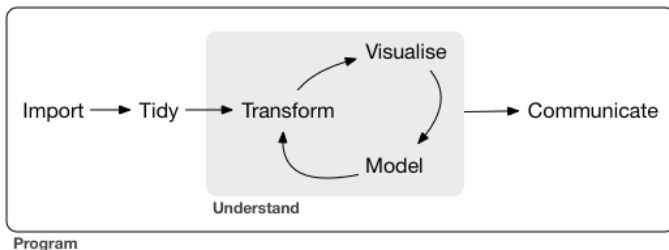
Much of the material we will cover in this part of the course will be adapted from the e-book, R for Data Science by Wickham and Grolemund [?].



**Figure 1:** <http://r4ds.had.co.nz/>

# Key Topics in COMP828

Tools:



**Figure 2:** <https://r4ds.had.co.nz/explore-intro.html>

# Introductions

In groups discuss:

- What is your name?
- What is your major?
- Why have you chosen COMP828?
- What do you want to do after studying at AUT?

This content will only appear in the slides version.