Course Title:	**Data Analysis**
Course Code:	**COMP517**
Descriptor Start Date:	**31/01/2025**
POINTS:	**15.00**
LEVEL:	**5**
PREREQUISITE/S:	**None**
COREQUISITE/S:	**None**
RESTRICTION/S:	**None**

LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

Total learning hours: 150

PRESCRIPTOR

Data analysis is the process of inspecting, cleaning, transforming and modelling data with the goal of discovering useful information, deriving conclusions and supporting decision-making. Topics covered include basic data analysis techniques, use of computing tools for applying such techniques, and communicating results to non-experts through reports with the use of numerical and graphical data.

LEARNING OUTCOMES

1. Apply knowledge and skills to solve a range of data analysis problems involving small to medium scale datasets.
2. Communicate the results of their analysis accurately and reliably, with structured and coherent arguments
3. Work collaboratively in a group to apply knowledge and skills in the analysis of a medium to large scale dataset and to present, interpret and evaluate the results through a group report.

CONTENT

- Accessing data from multiple sources
- Cleaning and preparing data
- Database formats and data wrangling
- Data visualization and analysis techniques
- Interpreting and presenting results

LEARNING & TEACHING STRATEGIES

Lectures will be used to present the material, with workshops to support individual practical exercises and group work.

ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Assignment 1: Individual Assignment Report	50.00	1,2
Assignment 2: Group Assignment Report	50.00	2,3

Grade Map **MAP1**

A+ A A- Pass with Distinction
B+ B B- Pass with Merit
C+ C C- Pass
D Fail

Overall requirement/s to pass the course:

To pass this course, students must attempt all summative assessments and achieve a minimum overall grade of C-.

LEARNING RESOURCES

-

For further information, contact: Te Ara Auaha - Faculty of Design & Creative Technologies

Principal Programme:	**AK3697, Bachelor of Computer and Information Sciences**
Related Programme/s:	**AK3698** **AK3756** **ICE1** **INEXCH1** **SABRD1**