Academic Integrity Declaration

In submitting this work, I agree that:

- The assessment has been produced by me and is solely my work, UNLESS the work is for a designated collaborative (group) task.
- I have not sought or received unpermitted assistance from any other person, or other source (e.g. a website, tutorial or answer service).
- I have properly acknowledged all sources used in my work.
- I have not unfairly represented content created by artificial intelligence or generative artificial intelligence tools as my work (the use of AI tools in assessed work must be expressly permitted by Course Leads and its use acknowledged).
- This work has not previously been submitted by me for any assessment task, OR I have received approval to resubmit this work.
- I did not use any other unfair means to complete this work.
- I am aware that AUT may use text-matching software to check for plagiarism in assessments.

For guidance on academic integrity please visit the referencing page of **Your library (https://canvas.aut.ac.nz/courses/7624/pages/referencing)** on Canvas.

Project
05/06/2024

100 Points Possible

Attempt 1 ⌄	◯ In Progress **NEXT UP: Submit assignment**	🗨 Add comment

In this project you will source and analyse a dataset of your choice.

Download the project information: Project_COMP828_Y2024S1_question.pdf (https://canvas.aut.ac.nz/courses/17750/files/5461312?wrap=1) ↓ (https://canvas.aut.ac.nz/courses/17750/files/5461312/download?download_frd=1)

Deadline: Wednesday, June 5, 2024 at 11:59pm

Submission requirements:
You need to submit a source file (Rmd or Qmd), the corresponding PDF file, and any supplementary files (e.g. datasets).

Useful Links & Tips

- R Markdown and Quarto see Additional Resources (https://canvas.aut.ac.nz/courses/17750/pages/additional-resources?wrap=1)
- Video about Data Sources

Week 6: Data Sources

▶ ↺₁₀ ↻₁₀ 🔊 0:1⬚ / 2:2˙   ⛶

- Writing Statistical Questions
  - Video about Statistical Questions https://www.khanacademy.org/math/statistics-probability/designing-studies/statistics-overview/v/statistical-questions ↗ (https://www.khanacademy.org/math/statistics-probability/designing-studies/statistics-overview/v/statistical-questions)
  - Examples COMP824_writing_research_questions.pdf (https://canvas.aut.ac.nz/courses/17750/files/5227790?wrap=1) ↓ (https://canvas.aut.ac.nz/courses/17750/files/5227790/download?download_frd=1)

- If your dataset is HUGE and your code is taking a long time to run, then you can take a random sample using the slice_sample command. e.g.

  ```
  slice_sample(mpg, n = 10)
  ```

- Statistical Models/Methods – see this document for suggestions (https://canvas.aut.ac.nz/courses/17750/files/5227670?wrap=1) ↓ (https://canvas.aut.ac.nz/courses/17750/files/5227670/download?download_frd=1) . Techniques not on the list need lecturer approval.
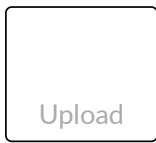
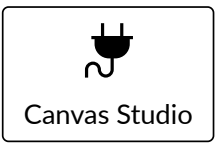⌄ **View Rubric**

Project: Report (1)

Criteria	Ratings					Points
1 (a) Background information about the problem/dataset The context of the problem/dataset is clearly described. All sources are appropriately referenced.	6 to >5 pts **Excellent**	5 to >4 pts **Very Good**	4 to >3 pts **Good**	3 to >0 pts **Needs more work**	0 pts **No marks (no attempts)**	/ 6 pts
2 (b) Description of dataset view longer description	8 to >7 pts **Excellent**	7 to >6 pts **Very Good**	6 to >5 pts **Good**	5 to >0 pts **Needs more work**	0 pts **No marks (no attempts)**	/ 8 pts
1 (c) 3 proposed research questions/objectives view longer description	6 to >5 pts **Excellent**	5 to >4 pts **Very Good**	4 to >3 pts **Good**	3 to >0 pts **Needs more work**	0 pts **No marks (no attempts)**	/ 6 pts
2 Data Import and Cleaning view longer description	20 to >18 pts **Excellent**	18 to >15 pts **Very Good**	15 to >12 pts **Good**	12 to >0 pts **Needs more work**	0 pts **No marks (no attempts)**	/ 20 pts
3 (a) Analysis view longer description	45 to >40 pts **Excellent**	40 to >35 pts **Very Good**	35 to >15 pts **Good**	15 to >0 pts **Needs more work**	0 pts **No marks (no attempts)**	/ 45 pts
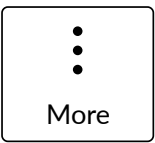
Project: Report (1)

Criteria	Ratings					Points
3 (b) Conclusion view longer description	10 to >8 pts **Excellent**	8 to >6 pts **Very Good**	6 to >2 pts **Good**	2 to >0 pts **Needs more work**	0 pts **No marks (no attempts)**	/ 10 pts
3 (c) Presentation view longer description	5 to >4 pts **Excellent**	4 to >3 pts **Very Good**	3 to >2 pts **Good**	2 to >0 pts **Needs more work**	0 pts **No marks (no attempts)**	/ 5 pts
References	0 pts **No**		0 pts **Yes**			/ 0 pts
						Total points: 0

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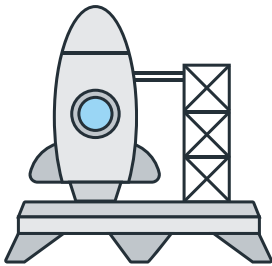
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