

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

✓ [REDACTED]

Task: Explore a given data story

1. Select one out of the four data stories. Investigate your own **research questions** using **numerical and graphical summaries**. [REDACTED]

- The report should be **concise** and **professional**.
- You should **demonstrate the skills you have learnt** in lectures and labs, in particular, you are expected to perform a **hypothesis test** at some point in the analysis.
- You should research the **background to the data story**, and ensure that your research questions are in context.
- You should refer to **additional research** to bring your findings into context.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Data (choose one)

- [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
- **Beachwatch water quality program - Sydney Northern Beaches.** This dataset examines the levels of Enterococci bacteria in water found in Sydney Northern Beaches during the year of 2018. *Source: NSW Government Office of Environment and Heritage.* Dataset: [REDACTED]

[REDACTED]

- [REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]

[REDACTED]

- **Do not make the analysis harder than it needs to be.** This project should be fun and allow you to apply all your R skills to real data :)
- Follow the **rubric** below, as this will be used to grade your report. **The given word-counts are strict**, your report needs to be precise and concise!
- Do not wait until the last minute to upload your report!

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]

Submit Assignment

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]


▼ View Rubric

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Criteria	Ratings				Pts
Executive Summary [Max 100 words] view longer description	2 pts Excellent Satisfies all criteria to a high standard.	1 pts Good Satisfies some criteria.	0 pts No Marks Does not satisfy criteria or no attempt.		/ 2 pts
IDA: Source [Max 200 words] view longer description	2 pts Excellent Satisfies all criteria to a high standard, demonstrating careful statistical thinking.	1 pts Good Satisfies some criteria.	0 pts No Marks Does not satisfy criteria or no attempt.		/ 2 pts
IDA : Variables [Max 150 words] view longer description	2 pts Excellent Satisfies all criteria to a high standard.	1 pts Good Satisfies some criteria.	0 pts No Marks Does not satisfy criteria or no attempt.		/ 2 pts
Research Question 1 [Max 300 words] view longer description	3 pts Excellent Interesting research question with investigation that demonstrates mastery of statistical concepts and use of R.	2 pts Good Simple research question or good attempt to answer research question.	1 pts Fair Simple research question or some attempt to answer research question.	0 pts No Attempt	/ 3 pts

Submit Assignment

Criteria	Ratings				Pts
Research Question 2: [Max 300 words] view longer description	3 pts Excellent Interesting research question with investigation that demonstrates mastery of statistical concepts and use of R.	2 pts Good Simple research question or good attempt to answer research question	1 pts Fair Simple research question or some attempt to answer research question	0 pts No Attempt	/ 3 pts
Hypothesis Testing view longer description	2 pts Good Satisfies all criteria to a high standard.	1 pts Fair Satisfies some criteria.	0 pts No Marks Does not satisfy criteria or no attempt.		/ 2 pts
Additional Research view longer description	2 pts Good Satisfies all criteria to a high standard, demonstrating careful statistical thinking.	1 pts Fair Satisfies some criteria.	0 pts No Marks Does not satisfy criteria or no attempt.		/ 2 pts
Communication of written report view longer description	3 pts Excellent Professional report that satisfies all criteria to a high	2 pts Good Satisfies most criteria.	1 pts Fair Satisfies some criteria.	0 pts No Marks Does not satisfy criteria, or not html from R	/ 3 pts
<div>Submit Assignment</div>					

			
Criteria	Ratings		Pts
References view longer description	1 pts Full Marks	0 pts No Marks	/ 1 pts
			Total Points: 0

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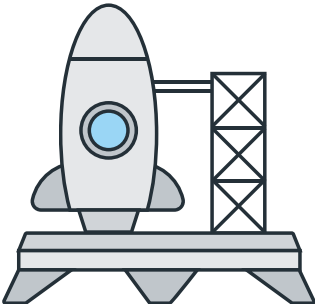


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