

BCB744 Biostatistics Exam – Assessment Sheet

Student Name: _____

Student ID: _____

| Task/Component | Criteria / Comment | Score |
|--|---|-------|
| Task 1: Initial Processing (10%) | | |
| 1.1 / 1.2 | Correct output shown | |
| | Penalty: Incorrect variable naming (max -30) | |
| | Penalty: Poor presentation (max -20) | |
| | <i>Raw Score (avg)</i> | |
| | <i>Final Weighted Score (x0.10)</i> | |
| Task 2: Exploratory Data Analysis (10%) | | |
| 2.1 (Part 1) | Output correct (assign 35) | |
| | Missing year x quarter (max -10) | |
| | Missing exclusion: passes = 0 / area = NA (max -10) | |
| | Plot correctness (assign 15) | |
| | Formatting penalty (max -10) | |
| 2.1 (Part 2) | Output correct (assign 35) | |
| | Less than 100 samples (max -10) | |
| | Missing year x quarter x pixel (max -10) | |
| | Plot correctness (assign 15) | |
| | Formatting penalty (max -10) | |
| 2.1 Total | | |
| 2.2 | Stats summary (assign 50) | |
| | Grouping error (max -15) | |
| | Interpretation (max 20) | |
| | Plotting (assign 30) | |
| | Formatting penalty (max -20) | |
| 2.2 Total | | |
| 2.3 | Map correctness (assign 100) | |
| | Formatting penalty (max -50) | |
| 2.3 Total | | |
| Task 2 Average Score | | |
| Task 2 Final Weighted (x0.10) | | |

Task 3: Inferential Statistics I (20%)

3.1 Hypotheses stated

- 3.2 Model implemented correctly
Penalty: unjustified complexity
- 3.3 Justification / assumptions
- 3.4 Interpretation
Penalty: Poor integration of code/text

Task 3 Average Score

Task 3 Final Weighted
(x0.20)

Task 4: Assigning Kelp Observations (20%)

- 4.1 Section assignment (weighted 70%)
- 4.2 Province assignment (weighted 30%)

Task 4 Weighted Score

Task 4 Final Weighted
(x0.20)

Task 5: Inferential Statistics II (30%)

- 5.1 Section differences
Bonus: TukeyHSD (+5)
Penalty: unjustified method
- 5.2 Province differences
Bonus: TukeyHSD (+5)
Penalty: unjustified method
- 5.3 Interaction (Section x Province)
Penalty: unjustified method
- 5.4 Linear trends
Penalty: unjustified method
- 5.5 Seasonal variation
Penalty: unjustified method

Task 5 Average Score

Task 5 Final Weighted
(x0.30)

Task 6: Write-up (10%)

- 6.1 Clarity and structure (out of 70)
- 6.2 Critical thinking (out of 30)
Penalty: AI-generated text (-50%)

Task 6 Final Score

Task 6 Final Weighted
(x0.10)

Final Calculation

Subtotal (Sum of weighted tasks)

Formatting Penalty Reason:
(0–15%)

Excessive Output Penalty Reason:
(0–15%)

Total Penalty (40%)

Final Exam Mark

Assessor Narrative Feedback (General Comments) _____
