$BCB744\ Biostatistics\ Exam-Assessment\ Template$

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| Student Information | |
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| • Student Name: | |
| • Student ID: | |
| . Task-by-Task Assessment & Scoring | |
| Task 1: Initial Processing (Weight: 10%) | |
| Components: | |
| • 1.1: Reading NetCDF | |
| • 1.2: Restructuring Data | |
| coring Scheme (per component): | |
| • Correct output shown: assign 100 | |
| • Penalty: Incorrect variable naming (max -30): | |
| • Penalty: Poor presentation or formatting (max -20): | |
| Task Summary: | |
| • Average Task 1 Raw Score (0–100): | |
| • Task 1 Weighted Score (/10): | |
| • Final Task 1 Score (× 0.10): | |
| Narrative Feedback (Task 1): | |
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| Task 2: Exploratory Data Analysis (Weight: 10%) | |
| Component 2.1: Weighted Mean Time Series (Two Parts) | |
| • (1) Correct summary plot for weighted mean time series: assign 3 | 35 |
| $-$ Penalty: Missing year \times quarter aggregation (max -10): | |
| - Penalty: No exclusion of passes = 0 or area = NA (max -10): _ | |
| - Plot correctness assign 15 | |

| Penalty: Poor formatting (max -10): (2) Correct pixel-level temporal analysis: assign 35 |
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| - Penalty: Fewer than 100 samples (max -10): |
| $-$ Penalty: Missing year \times quarter \times pixel structure (max -10): |
| - Plot correctness: assign 15 |
| - Penalty: Poor formatting (max -10): |
| Component 2.1 Score (0–100): |
| Component 2.2: Summary Statistics & Visualisations |
| • (1) Statistical summaries: assign 50 |
| - Penalty: Incorrect grouping (max -15): |
| - Interpretation quality: (max 20): |
| • (2) Plotting: assign 30 |
| - Penalty: Poor formatting (max -20): |
| Component 2.2 Score (0–100): |
| Component 2.3: Observation Density Map |
| Plot correctness: assign 100 Penalty: Poor formatting (max -50): |
| Component 2.3 Score (0–100): |
| Task Summary: |
| • Average Task 2 Raw Score (0–100): |
| • Task 2 Weighted Score (/10): |
| • Final Task 2 Score (× 0.10): |
| Narrative Feedback (Task 2): |
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| Task 3: Inferential Statistics – Part I (Weight: 20%) |
| Components: |
| • 3.1: Hypothesis Structure: Raw Score: |
| • 3.2: Model Choice & Implementation: Raw Score: — Penalty: Overcomplication not justified (e.g., unmotivated LMMs): |
| • 3.3: Justification & Assumptions: Raw Score: |
| • 3.4: Interpretation & Presentation: Raw Score: — Penalty: Poor writing or code/text blending: |

| • Average Task 3 | Raw Score (0–100): |
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| • Final Task 3 Sc | ore (× 0.20): |
| Narrative Feedback | |
| | |
| | Kelp Observations (Weight: 20%) |
| Components: | |
| • 4.1: Coastal Sec | ctions Assignment (70% of Task 4): Raw Score: |
| • 4.2: Biogeograp | hical Provinces Assignment (30%): Raw Score: |
| Weighted Average T | ask 4 Score: |
| • ($4.1 \times 0.70 + 4.2$ | ×0.30): |
| Final Task 4 Score (| × 0.20): |
| Narrative Feedback | (Task 4): |
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| | al Statistics – Part II (Weight: 30%) |
| Components: • 5.1: Section-wis | e Differences: Raw Score:yHSD (+5): |
| Components: • 5.1: Section-wis – Bonus: Tuke | e Differences: Raw Score: |
| Components: • 5.1: Section-wis - Bonus: Tuke - Penalty: Ove • 5.2: Province-w | e Differences: Raw Score: yHSD (+5): |
| Components: • 5.1: Section-wis - Bonus: Tuke - Penalty: Ove • 5.2: Province-w - Bonus: Tuke | e Differences: Raw Score: yHSD (+5): ercomplicated method (e.g., unmotivated LMM): ise Differences: Raw Score: |
| Components: • 5.1: Section-wis - Bonus: Tuke - Penalty: Ove • 5.2: Province-w - Bonus: Tuke - Penalty: Ove • 5.3: Interaction | re Differences: Raw Score: yHSD (+5): ercomplicated method (e.g., unmotivated LMM): ise Differences: Raw Score: yHSD (+5): |
| Components: • 5.1: Section-wis - Bonus: Tuke - Penalty: Ove • 5.2: Province-w - Bonus: Tuke - Penalty: Ove • 5.3: Interaction - Penalty: Ove • 5.4: Temporal 7 | re Differences: Raw Score: yHSD (+5): ercomplicated method (e.g., unmotivated LMM): ise Differences: Raw Score: yHSD (+5): ercomplicated method: (Section × Province): Raw Score: |
| Components: • 5.1: Section-wis - Bonus: Tuke - Penalty: Ove • 5.2: Province-w - Bonus: Tuke - Penalty: Ove • 5.3: Interaction - Penalty: Ove • 5.4: Temporal 7 - Penalty: Ove • 5.5: Seasonal V | re Differences: Raw Score: yHSD (+5): ercomplicated method (e.g., unmotivated LMM): ise Differences: Raw Score: yHSD (+5): ercomplicated method: ercomplicated method: freed by Province: Raw Score: Erend by Province: Raw Score: |
| 5.1: Section-wis Bonus: Tuke Penalty: Ove 5.2: Province-w Bonus: Tuke Penalty: Ove 5.3: Interaction Penalty: Ove 5.4: Temporal 7 Penalty: Ove 5.5: Seasonal V Penalty: Ove | re Differences: Raw Score: yHSD (+5): ercomplicated method (e.g., unmotivated LMM): ise Differences: Raw Score: yHSD (+5): ercomplicated method: |
| 5.1: Section-wis Bonus: Tuke Penalty: Ove 5.2: Province-w Bonus: Tuke Penalty: Ove 5.3: Interaction Penalty: Ove 5.4: Temporal 7 Penalty: Ove 5.5: Seasonal V Penalty: Ove Task Summary: | re Differences: Raw Score: yHSD (+5): ercomplicated method (e.g., unmotivated LMM): ise Differences: Raw Score: yHSD (+5): ercomplicated method: |
| 5.1: Section-wis Bonus: Tuke Penalty: Ove 5.2: Province-w Bonus: Tuke Penalty: Ove 5.3: Interaction Penalty: Ove 5.4: Temporal 7 Penalty: Ove 5.5: Seasonal V Penalty: Ove 5.5: Seasonal V Penalty: Ove 5.5: Seasonal V Average Task 5 | re Differences: Raw Score: yHSD (+5): ercomplicated method (e.g., unmotivated LMM): ise Differences: Raw Score: yHSD (+5): ercomplicated method: frequency (Section × Province): Raw Score: ercomplicated method: frend by Province: Raw Score: ercomplicated method: ercomplicated method: ercomplicated method: ercomplicated method: |

| Task 6: Final Write-up (| Weight: 10 | %) | |
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| Scoring Scheme: | | | |
| • Clarity & Communicati | ion (report org | anisation, flow, language): | /70 |
| • Critical Thinking (limits | ations, implicat | ions, insight): /30 | |
| • Penalty: AI-generated tex | et (-50%) or sim | nilar issues: | |
| Total Task 6 Score (after de Final Task 6 Score (\times 0.10): | | | |
| Narrative Feedback (Task 6) | : | | |
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| II. Final Mark Calcu | ulation | | |
| | Task | Weighted Score | |
| | Task 1 | / 10 | |
| | ${\it Task}\ 2$ | / 10 | |
| | Task 3 | / 20 | |
| | Task 4 | / 20 | |
| | Task 5 | /30 | |
| | Task 6 | /10 | |
| | Subtotal | 1 / 100 | |
| Global Penalties | | | |
| • Formatting / Documen — Reason: | t Structure (- | * | |
| • Excess Output (-0 to -1 - Reason: | .5%): | | |
| Total Global Penalty (%): Final Exam Mark: | 0 | | |
| $>$ Calculation: Subtotal \times (1 - P | Penalty % / 100 | | |
| III. Assessor Summa | ary & Red | commendations | |
| • Strengths: | | | |
| • Weaknesses: | | | |
| • Recommendations for I | mprovement: | | |