**Core Assignment #2:** Epidemiological Outbreak Report of Lab-Confirmed COVID-19 Staff and Student Cases in an Elementary School

**Assignment Outline:**

Create a 2-4 page outbreak report (including Tables/Figures) in R using the outline provided below. You must **submit both the outbreak report AND your R script.** Failure to submit your R script will result in an automatic 10 point deduction.

**This assignment must be completed individually.**

**Summary – 10% (/5):**

*4-6 bullet points at the beginning of the report highlighting the main points of interest covered in the report.*

**Data Interpretation – 10% (/5):**

*At least one sentence before each figure introducing the figure and interpreting what it is showing. Example: “The majority of COVID-19 cases linked to this outbreak were student cases (Figure 1).”*

**Summary Table – 20% (/10):**

*Summary of demographic information (mean, min and max age; sex) and severity (ever hospitalized; deceased) for staff and student cases. This table should include the total number and proportion of cases for each section.*

**Epidemiological Curve – 20% (/10):**

*The number of staff and student cases by episode date.*

**Learner chosen charts (2) – 20% each, 40% total (/10 each, /20 total):**

*Students to choose which additional information to include in the report. These should be charts (eg. graphs) NOT tables. Hint: Use the summary table for inspiration as to what may be of interest to show in a visual.*

**Total: 100% (/50)**

**Detailed Grading Rubric:**

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| **Core Assignment #2: Epidemiological Outbreak Report of Lab-Confirmed COVID-19 Staff and Student Cases in an Elementary School** | | |
| **Task** | **Grade outline** | **Additional Notes** |
| Summary - 10%  (5 points) | Relevance: /2  Clear and concise: /2  Spelling and grammar: /1 | Grade will be based on spelling, grammar, and appropriateness of the selected points. This section should be short, clear, and concise. |
| Data Interpretation – 10 %  (5 points) | Accurate interpretation: /4  Spelling and grammar: /1 | Grade will be based on having at least one sentence per table/figure explaining what the figure is showing. These sentences should be before each table/figure with a reference to the table/figure title. Marks will be deducted for incorrectly interpreting the data and/or for incorrect spelling/grammar. |
| Summary Table - 20%  (10 points) | Figure title: /2  Formatting: /3  Completeness: /5 | Grade will be based on having a correctly filled out table that is properly formatted with an appropriate figure title. Marks will be deducted for missing fields and incorrect data, inconsistent formatting and lack of and/or an unclear figure title. |
| Epidemiological Curve – 20%  (10 points) | Figure title: /2  Formatting: /3  Completeness: /5 | Grade will be based on correctly showing the number of staff cases and the number of resident cases by episode date in one epidemiological curve. Marks will be deducted for missing or incorrect presentation of data, inconsistent formatting and lack of and/or an unclear figure title. |
| Chart #1 – 20%  (10 points) | Figure title: /2  Formatting: /3  Appropriateness: /5 | Grade will be based on the appropriateness of the output (eg. does it make sense/fit within this type of report; is it adding value). Marks will be deducted for missing or incorrect presentation of data, inconsistent formatting and lack of and/or an unclear figure title. |
| Chart #2 – 20%  (10 points) | Figure title: /2  Formatting: /3  Appropriateness: /5 | Grade will be based on the appropriateness of the output (eg. does it make sense/fit within this type of report; is it adding value). Marks will be deducted for missing or incorrect presentation of data, inconsistent formatting and lack of and/or an unclear figure title. |
| Total – 100%  (50 points) | Written Summary: /5  Data Interpretation: /5  Summary Table: /10  Epidemiological Curve: /10  Chart #1: /10  Chart #2: /10 | **Please remember to submit both your assignment AND R script to Brightspace.** |