**Technical Assessment**

**Data Use and Decision Science Consultancy**

**Instructions**

**Step 1:**

* Using your preferred statistical software (e.g., R, Python, Stata), reproduce the example Epidemiological Bulletin as close to the existing format and style as possible. The source data can be found in the 'data' folder attached to this email. Automate as much as possible.
* Prepare the following:
  + A single file (DOCX or PDF) that contains all the outputs.
  + Reproducible script(s), stored in a GitHub repository or a ZIP file.
* Submit the materials prepared from the above step to Nadine Dixon ([ndixon@rtsl.org](mailto:ndixon@rtsl.org)) by Close of Business on Monday, Feb 10 (any time of day is fine).

**Step 2:**

You have presented this automated Epidemiologic Bulletin to the Director General of the National Public Health Institute. He applauds the automation but is displeased with how the data are presented for actionable decision-making.

In less than a page, please describe the steps that you would take to enhance the Epidemiologic Bulletin and how you would engage with various stakeholders from the point of re-designing the product to data compilation to production, dissemination, and decision-making.

**Assessment criteria**

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| **Criterion** | **Score** |
| Step 1: Outputs (e.g., plots and tables) correctly generated | 20 |
| Step 1: Scripts that can reproduce the outputs | 20 |
| Step 1: Degree of automation | 15 |
| Step 1: Readability of the scripts | 5 |
| Step 1: Output aesthetics | 10 |
| Step 2: Design, communications, and stakeholder engagement | 30 |
| **Total** | **100** |