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# Global School-Based Student Health Survey (GSHS)

Data Processing and Weighting: User guide for R module

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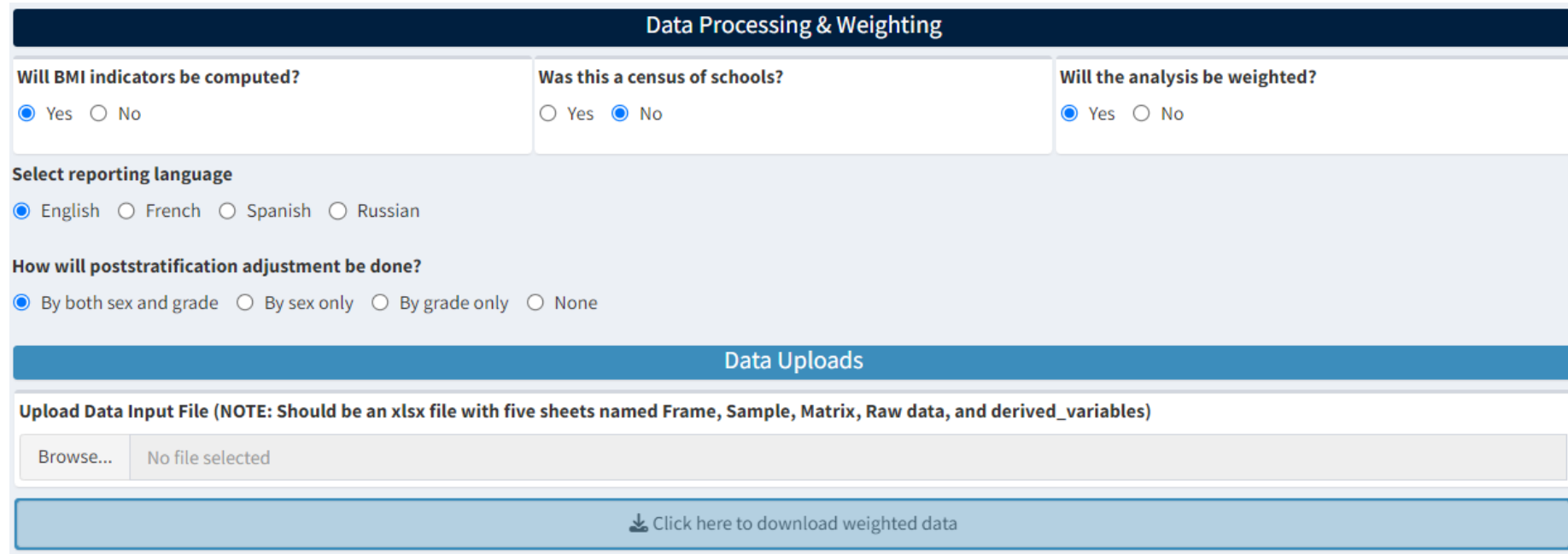
# Overview

- Once the input file has been correctly prepared\*, using the R code for cleaning and weighting your data should be comparatively simple.
- Running the module should take less than a minute and will return to you a file containing a cleaned, mapped and weighted dataset that is ready for analysis.
- This slideset explains the options available to you in this module.

# Data Processing & Weighting – Shiny app

Prior to uploading the input file and running the script, be sure to review all fields in the upper half of the app to ensure the correct option is selected:

BMI indicators: By default, this option is set to Yes. Change to No if height and weight were not included in your questionnaire or if the percentage of students reporting valid values for height and weight is very low.



**Data Processing & Weighting**

**Will BMI indicators be computed?**  
☒ Yes ☐ No

**Was this a census of schools?**  
☐ Yes ☒ No

**Will the analysis be weighted?**  
☒ Yes ☐ No

**Select reporting language**  
☒ English ☐ French ☐ Spanish ☐ Russian

**How will poststratification adjustment be done?**  
☒ By both sex and grade ☐ By sex only ☐ By grade only ☐ None

**Data Uploads**

**Upload Data Input File (NOTE: Should be an xlsx file with five sheets named Frame, Sample, Matrix, Raw data, and derived\_variables)**

No file selected

[Click here to download weighted data](#)

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Census: By default, this option is set to No. Change to Yes if your sample was a census of all schools.

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Weighted analysis: By default, this option is set to Yes. Set to No if the overall response rate of your survey was very low (below 60%).

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Reporting language: Select the desired language of the final reports. If another language is desired, use the offline version and contact WHO for guidance on the translations needed to produce reporting output in the desired language.



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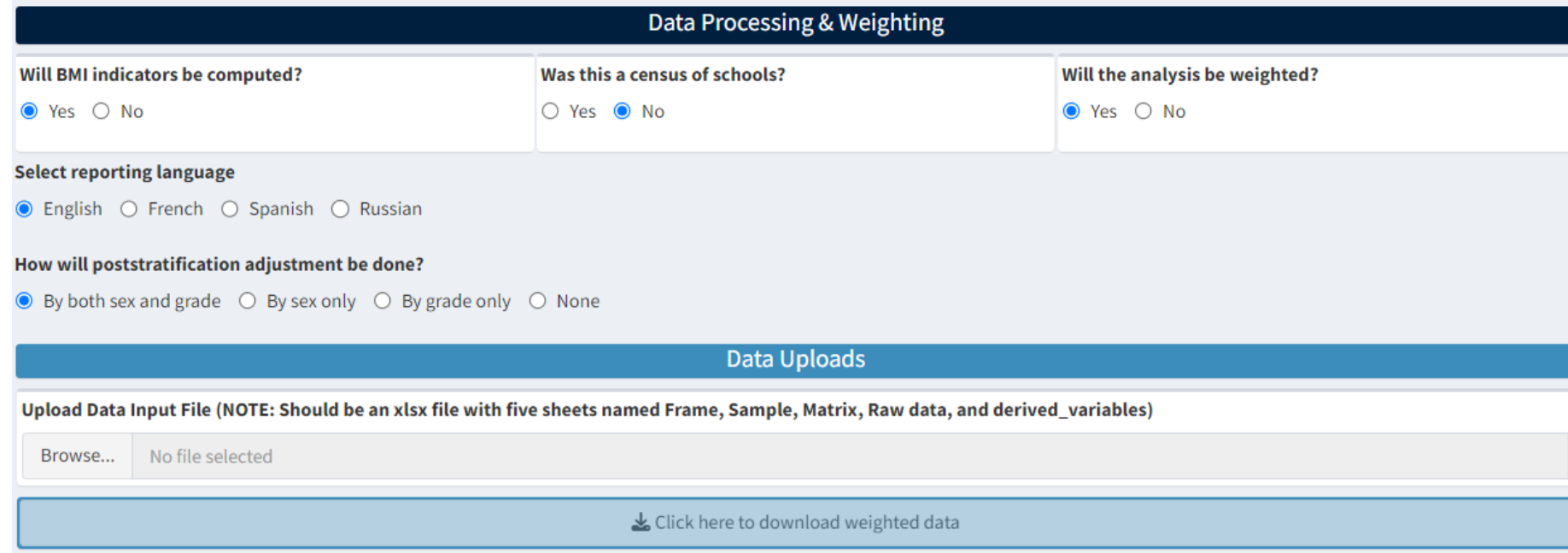
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Poststratification adjustment: By default this option is set to “By both sex and grade” as poststratification adjustments to the analysis weights should be done by both of these aspects. However, in **rare cases** this level of detail is not available in the sampling frame (typically in very small countries implementing a census of schools) – thus, please select what information IS available in the frame for poststratification weighting.



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Browse... No file selected

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# Data Processing & Weighting – Shiny app

Once you have ensured all options are set correctly, click on Browse to locate and upload your input file containing all the required information. Then click the large button at the bottom to run the script (it should take less than a minute). You will receive an Excel file similar to your input file but with **two versions** of the cleaned, weighted data added. The two versions are identical except one includes school/class identifiers and original variable names. [This file can then be used as input in the Reporting module of the app.](#)

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