**1.What software will you use for your group meetings? For each category below, select one or more choices**

MS 0365 Teams

**2. Software used for your group meetings. Give a short description of each software or tools selected and explain clearly what the features are you will use during this course. Justify properly why your group has decided to agree on this specific choice among all those available. You can give examples of use. Note: Your response is limited to 180 words (1000 characters)**

MS Teams has already been setup by the UNSW facilitator. MS Teams is great for collaboration and team comms, easy to organise calls, keep records of conversations and discussions and stores files.

**3. What software will you use to manage your work collaboratively? For each category below, select one or more choices.**

GitHub and MS Teams

**4. What software used to manage your work collaboratively? Give a short description of each software or tools selected and explain clearly what are the features you will use during this course. Justify properly why your group has decided to agree on this specific choice among all those available. You can give examples of use**

**5. What software will you use for your data analysis? For each category below, select one or more choices.**

R/RStudio

**6. What software will you use for your data analysis? Give a short description of each software or tools selected and explain clearly what are the features you will use during this course. Also, justify properly why your group has decided to agree on this specific choice among all those available. You can give examples of use. Note: Your response is limited to 180 words (1000 characters)**

Our Group selected R because it’s one we are all familiar with. R is an excellent tool for statistics and data visualisation using ggplot2 and rshiny. The team will use R to data clean, exploratory data analysis, visualisation.

**7. What software will you use to write your group report in a reproducible manner? For each category below, select one or more choices.**

Rmarkdown

**8. What software will you use to write your group report in a reproducible manner? Give a short description of each software or tools selected and explain clearly what are the features you will use during this course. Also, justify properly why your group has decided to agree on this specific choice among all those available. You can give examples of use. Note: Your response is limited to 180 words (1000 characters)**

R Markdown will be used to present our findings in a report. As we are using R for analysis it’s easiest to use R-markdown to present our findings. RMarkdown is a dynamic document generation tool that integrates code, text, and output in a single document. Some nice features are:

* **Reproducibility**: Ensures that analysis can be easily updated/repeated with new data.
* **Integration**: Combines R code with narrative text, tables, and plots.
* **Flexibility**: Outputs to various formats like PDF, HTML, and Word.

We chose RMarkdown since it enhances reproducibility and integrates with our data analysis workflow. For example, we can embed R code chunks directly in the document, ensuring that our results are always up-to-date. This choice aligns with the requirement for reproducible research and efficient data reporting.

**9. What software will you use for your oral presentation? For each category below, select one or more choices.**

PowerPoint

**10. What software will you use to write your Oral presentation? Give a short description of each software or tools selected and explain clearly what are the features you will use during this course. Also, justify properly why your group has decided to agree on this specific choice among all those available. You can give examples of use**

We plan to use MS PowerPoint since all team members are familiar with it. It is purpose build to presentation. PowerPoint will be used to create a deck for oral presentation.

**11. List any additional software you intend to use that is not mentioned above. Note: Your response is limited to 180 words**

EdrawMind – Mindmapping tool used to brainstorm ideas.  
Mendeley Cite – Referencing tool

Bibtex – Referencing tool

PowerPoint PPTX with Picture in Picture Video – for the final Video presentation