

## Week 3

Quiz, 10 questions

✓ **Congratulations! You passed!**

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1. Why do you have to install additional R packages?

- ☐ Because it is difficult to upgrade the base R software.
- ☐ Because open-source software developers want to make it more challenging to use their programs.
- ☐ Because the R software isn't finished yet.
- ☒ Because the base R software only provides limited functionality.

Correct

That's right!



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2. Which statement is TRUE regarding the version control workflow using GIT to link to GitHub repositories?

- ☐ A PUSH command moves files from your GitHub repository to your local computer.
- ☐ A PULL command moves files from your local computer to the GitHub repository.

- ☐ A COMMIT command should always be run before an ADD command.
- ☒ An ADD command should always be run before a COMMIT command.

**Correct**

That's right! You always want to stage your files before you commit them.

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3. To customize a DOCX document, styles and appearance can be defined in what kind of external file?

- ☐ A cascading style sheet (CSS)
- ☐ A portable document format (PDF)
- ☐ A TEX template
- ☒ A reference document (DOCX)

**Correct**

That's right!

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4. To change figure sizes in the final R Markdown document, the best approach to do this is what?

- ☒ Change the fig.width and fig.height options in the YAML header or R chunk options.

**Correct**

That's right!

- ☐ Change the zoom amount in the document viewer window to adjust how big the figure appears on screen.
  - ☐ Compile the final document and then resize the figure in another software package.
  - ☐ Make sure that the code used to generate the figure creates the right figure dimensions.
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5. A DOCX document can have a table of contents by changing the YAML options in the R Markdown document.

- ☐ True
- ☒ False

**Correct**

That's right; this is a false statement. In the current version of R Markdown, DOCX formatting options do not include a table of contents.

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6. The following subfolder directory in a GitHub repository can be used to easily view HTML documents on the web using GitHub Pages:

☒ /docs



**Correct**

That's correct!

☐ /web

☐ /public

☐ /backup



7. Additional custom R Markdown templates can be accessed from RStudio by doing what?

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☒ Installing R packages that have R Markdown templates included



**Correct**

Correct! Once new packages are installed, any templates installed with them are then available for use.

☐ Upgrading R to the latest version

☐ Searching the HELP system to look for examples

☐ Upgrading RStudio to the latest version



8. Which is the BEST source for getting a reliable R package?

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- ☐ GitHub
- ☐ An email attachment
- ☐ Any shared file server (e.g., Bitbucket, Dropbox, Google Docs)
- ☒ CRAN

**Correct**

That's correct! The CRAN repository does provide some oversight and review of R packages before they are uploaded to their repository. Even then, ALL R packages should be reviewed to be sure they are working as you expect and come from reputable developers.



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9. When an R Markdown document is compiled, it is important to have any R packages needed to be installed on your local computer before compiling your R document.

- ☒ True

**Correct**

That's right! Any R packages required to compile your R Markdown document must be installed before knitting the document.

- ☐ False



10. Adding parameters to an R Markdown document helps to automate report writing by:

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- ☐ creating batch processing by parsing through a range of values for the variable specified by the parameter.
- ☐ adding a parameter value in the YAML options that can be changed at one place at the top of the document, which affects the information presented in the rest of the document.
- ☐ enabling a pull-down list of values for writing reports for each value provided (like a new location or time frame).
- ☒ all of the above.

**Correct**

This is correct! All of the above statements are features of adding parameters to your document.

