

The Final Consolidation

The primary goal of this document is to combine all the work you completed this week into a final polished result. You have spent the week installing software and learning the grammar of Base R. Now you must verify that your digital record is complete.

Audit Your Evidence

Before you can submit your work, you must look backward. Open your **Statypus Lab Notebook** Google Doc and sit it alongside your previous Chapter 1 worksheets.

Action Item: The Code Audit

Read through every Chapter 1 worksheet you have completed. Did you miss a task? Every single line of code you were asked to run must have a corresponding screenshot of the output in your Lab Notebook. This includes the calculations for the Golden Ratio and your diagnostic tests.

Bill the Statypus says: If a calculation isn't in your notebook, it never happened. A Lead Researcher does not rely on memory. Go back and re-run any code that you failed to capture earlier. Technical integrity requires a complete and unbroken record.

1. Narrative and Cleanup

Once you have confirmed that every screenshot is present, you must organize the chaos. A folder full of images is not a report.

- **Chronological Order:** Ensure your sections follow the same order as the textbook and worksheets.
- **The Narrative Flow:** Do not just paste an image. Write a sentence or two for each screenshot explaining exactly what you did. Tell the story of your discovery.
- **Visual Clarity:** Crop your screenshots to show only the relevant pane. If the text is blurred or too small to read, you must retake the shot.

Sally the Statypus says: Think of your narrative as a guide for a fellow researcher! I should be able to read your descriptions and know exactly why you ran that specific code. Let's make this look professional. Take pride in your work.

The Immutable State: Exporting to PDF

In the Academy, we do not submit editable files. Research must be “frozen” in an immutable format. This ensures that the layout, fonts, and data visualizations appear exactly the same on my machine as they do on yours. For this, we use the PDF.

Bill the Statypus says: Hard copies of tech manuals were my foundation because they were immutable. By converting your Google Doc to a PDF, you are providing a digital version of that permanence. It is the final step in your Week 1 Pre-Flight Check.

1. Final Check and Export

Before exporting, perform one last walk-through of your script, `Chap1Lab.r`. Ensure all code from the Chapter 1 scavenger hunts is clean and follows the **CamelCaps** naming convention. Your work should only utilize Base R logic.

Action Item: Generating the Artifact

1. In Google Docs, go to `File > Download > PDF Document (.pdf)`.
2. Name the file: `Week1_Notebook_[LastName].pdf`.
3. Open the PDF on your computer and verify that no text or screenshots are cut off by the page margins.

Statypus Insight: The Professional Standard

Submitting a PDF is more than a file choice. It is a statement of professional intent. It shows that you have reviewed your work, finalized your logic, and are ready for your results to be peer-reviewed.

Sally the Statypus says: You did it! You’ve gone from installing the engine to storing your first pieces of mathematical magic and now, submitting your first Lead Researcher report. Bill might not say it, but we are both very proud of your progress this week!

Action Item: Submission

Submit your final polished PDF on Canvas.