

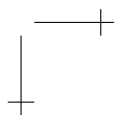
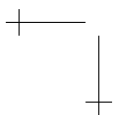
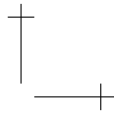
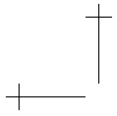
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The Reproducibility Project: A Model of Large-Scale Collaboration for Empirical Research on Reproducibility

Open Science Collaboration^{1,2,3,4,5}

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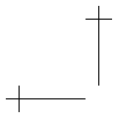
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11.4.1N $\int_0^1 \frac{1}{1+x^2} dx = \frac{\pi}{4}$?

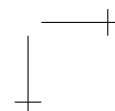
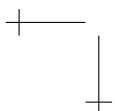
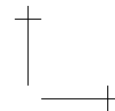
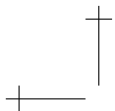
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11.4.2N $\int_0^1 \frac{1}{1+x^2} dx = \frac{\pi}{4}$?

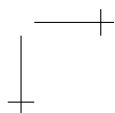
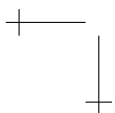
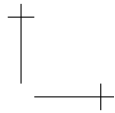
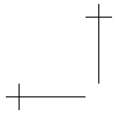
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Interpretation 1: The original effect was false

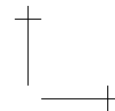
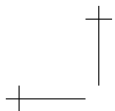
Interpretation 2: The replication was not sufficiently powered to detect the true



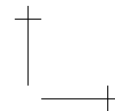
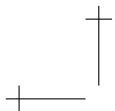
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The first step in implementing reproducible research is to ensure that all data and code used in the analysis are stored in a single, organized location. This is often done using a version control system like Git, which allows you to track changes to your files and revert to previous versions if needed.

Next, it's important to document the steps you took to perform the analysis. This can be done using a scripting language like R or Python, which allows you to automate the entire process. By saving your code as a single file, you can easily reproduce the results of your analysis at a later date.

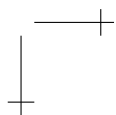
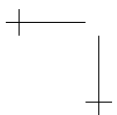
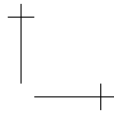
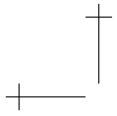
Another key component of reproducible research is the use of containers. Containers allow you to create a self-contained environment for your analysis, complete with all the necessary software and dependencies. This ensures that your analysis can be run on any machine without the need for complex installation or configuration.

Finally, it's important to share your results and code with others. This can be done using a public repository like GitHub, which allows you to share your code and receive feedback from others in the community. By making your work open and accessible, you can help advance the field of research and ensure that your findings are reproducible by others.

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Statistical Power Analysis for the Behavioral Sciences

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Changing Order

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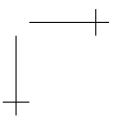
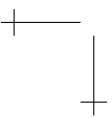
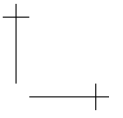
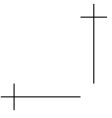
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 Perspectives on Psychological Science 6
 The Structure of Scientific Revolutions 6
 Psychological Bulletin 7
 Personality and Social Psychology Bulletin 6
 Review of General Psychology 6



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