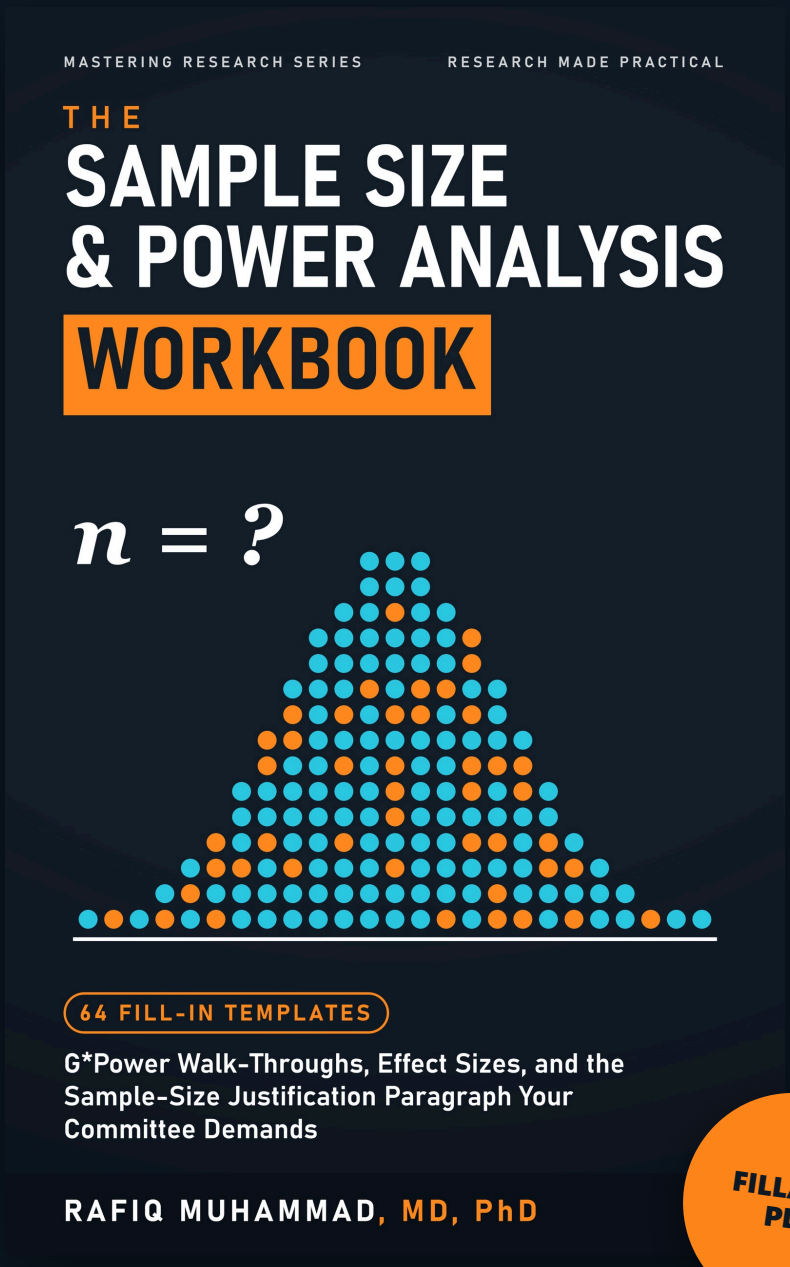
FILLABLE TEMPLATE KIT



The Sample Size & Power Analysis Template Kit

64 fillable templates · US Letter & A4 · type, save, print

The companion kit to the workbook shown above. It contains the templates only. The chapters and the completed examples are in the book.

Rafiq Muhammad, MD, MIHMEP, PhD · Kit Edition 1.0 · 2026 · KIT-WB03

How to use this kit

This kit contains every fill-in template from *The Sample Size & Power Analysis Workbook*, one per page, in the order you will use them. Each page tells you in a few lines how to fill it in.

> **On screen:** open the PDF in Adobe Acrobat Reader (free), Microsoft Edge, Google Chrome or macOS Preview. Click any white box and type; boxes grow to more lines where answers are long. Tick boxes with a click. **Save often** (Ctrl/Cmd + S) — your answers stay in the file.

> **On paper:** print any page; every box is sized for handwriting.

Working with a supervisor? Each template ends with a sign-off line, so you can bring pages to meetings as they are done.

First time doing this? The kit gives you the tools; the workbook teaches the method. *The Sample Size & Power Analysis Workbook* explains every template and shows a completed example of each one, built around a single study from start to finish.

The workbook, with a completed example of every template: https://www.gradsummit.com/workbooks/sample-size-power-analysis-workbook/

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Template map

64 templates in the order the workbook uses them. Click a row to jump to it; tick **Done** as you finish each one.

#	Template	Page	Done
Chapter 1 · Why Sample Size Is a Decision, Not a Guess			
1.1	Four-Parameter Primer Worksheet	7	☐
1.2	Why-It-Matters Stakes Sheet	8	☐
1.3	What My Reviewers Require	9	☐
1.4	Power-Analysis Vocabulary Decoder	10	☐
Chapter 2 · Choose Your Power Analysis			
2.1	A-Priori vs. Post-Hoc vs. Sensitivity Decision Guide	11	☐
2.2	Fixed-N? Sensitivity-Analysis Router	12	☐
2.3	"Observed Power" Warning Card	13	☐
2.4	Analysis-Type Reporting Selector	14	☐
Chapter 3 · Map Your Design to the Right Test			
3.1	Test-to-Power-Parameter Selector	15	☐
3.2	Variable & Hypothesis Intake	16	☐
3.3	One-/Two-Tailed Decision Worksheet	17	☐
3.4	Alpha & Power Target Setter	18	☐
3.5	Multiplicity & Alpha-Adjustment Planner	19	☐
Chapter 4 · The Hardest Part: Estimating Your Effect Size			
4.1	Effect-Size Estimation Worksheet	20	☐
4.2	Effect-Size Source Hierarchy Guide	21	☐
4.3	SESOI Definer	22	☐
4.4	Effect-Size Metric Converter	23	☐
4.5	Conservative-Estimate Selector	24	☐
4.6	Pilot-Data Effect-Size Extractor	25	☐
Chapter 5 · G*Power Foundations & Your First Calculation			
5.1	G*Power Setup & Orientation Checklist	26	☐
5.2	The 5-Step G*Power Workflow Card	27	☐
5.3	First Calculation Walk-Through (Independent t-Test)	28	☐
5.4	Output-Reading Worksheet	29	☐
5.5	Screenshot & Settings Log	30	☐
Chapter 6 · G*Power Walk-Throughs: t-Tests & the ANOVA Family			
6.1	Independent-Samples t-Test Power Sheet	31	☐
6.2	Paired / One-Sample t-Test Power Sheet	32	☐
6.3	One-Way ANOVA Power Sheet	33	☐

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CHAPTER 3 · MAP YOUR DESIGN TO THE RIGHT TEST

3.3 One-/Two-Tailed Decision Worksheet

Purpose: Choose your number of tails on the basis of theory and field norms — never to shrink N.

Estimated time: 10–15 min

Completed example: Template 3.3 in The Sample Size & Power Analysis Workbook.

How to fill this in

1. State whether your hypothesis predicts a direction.
2. Ask whether that direction is strongly supported by theory or prior evidence — not merely hoped for.
3. Default to two-tailed unless both conditions hold and your field accepts one-tailed tests.

Question	Your Decision
Do you predict a direction?	
Is that direction strongly theory/evidence-based?	
Default unless strongly justified	
Chosen tails + reason	
Effect on N (caution)	

Output: A justified tails decision — an input to your G*Power calculation and a point you may have to defend (13.5).

Supervisor sign-off	Date	Comments

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CHAPTER 5 · G*POWER FOUNDATIONS & YOUR FIRST CALCULATION

5.3 First Calculation Walk-Through (Independent t-Test)

Purpose: Run a complete a-priori power analysis for your t-test, field by field, end to end.

Estimated time: 30–40 min

Completed example: Template 5.3 in The Sample Size & Power Analysis Workbook.

> **How to fill this in**
>
> 1. Enter the fields top to bottom, exactly in the order listed.
> 2. Confirm the effect size is a d (the t-test metric) — convert first if your source reported r (Chapter 4).
> 3. Click Calculate, then read the outputs; do not type a sample size in yourself.

G*Power Field	Enter / Select	Your Value
Test family	select	
Statistical test	select	
Type of power analysis	select	
Tail(s)	select	
Effect size d	enter	
α err prob	enter	
Power (1 − β err prob)	enter	
Allocation ratio N2/N1	enter	
→ Click Calculate		
Output · Noncentrality δ	read	
Output · Critical t	read	
Output · Sample size per group	read	
Output · Total sample size	read	
Output · Actual power	read	

Output: Your first computed sample size — the figure you inflate in Chapter 10 and justify in Chapter 13.

Supervisor sign-off	Date	Comments

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End of the sample

This sample shows 2 templates: 3.3 One-/Two-Tailed Decision Worksheet; 5.3 First Calculation Walk-Through (Independent t-Test).

The full The Sample Size & Power Analysis Template Kit has 64 fillable templates, each on its own page, with the template map, bookmarks and a Done box for every template, in US Letter and A4.

You can buy the full kit on the page where you downloaded this sample.

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