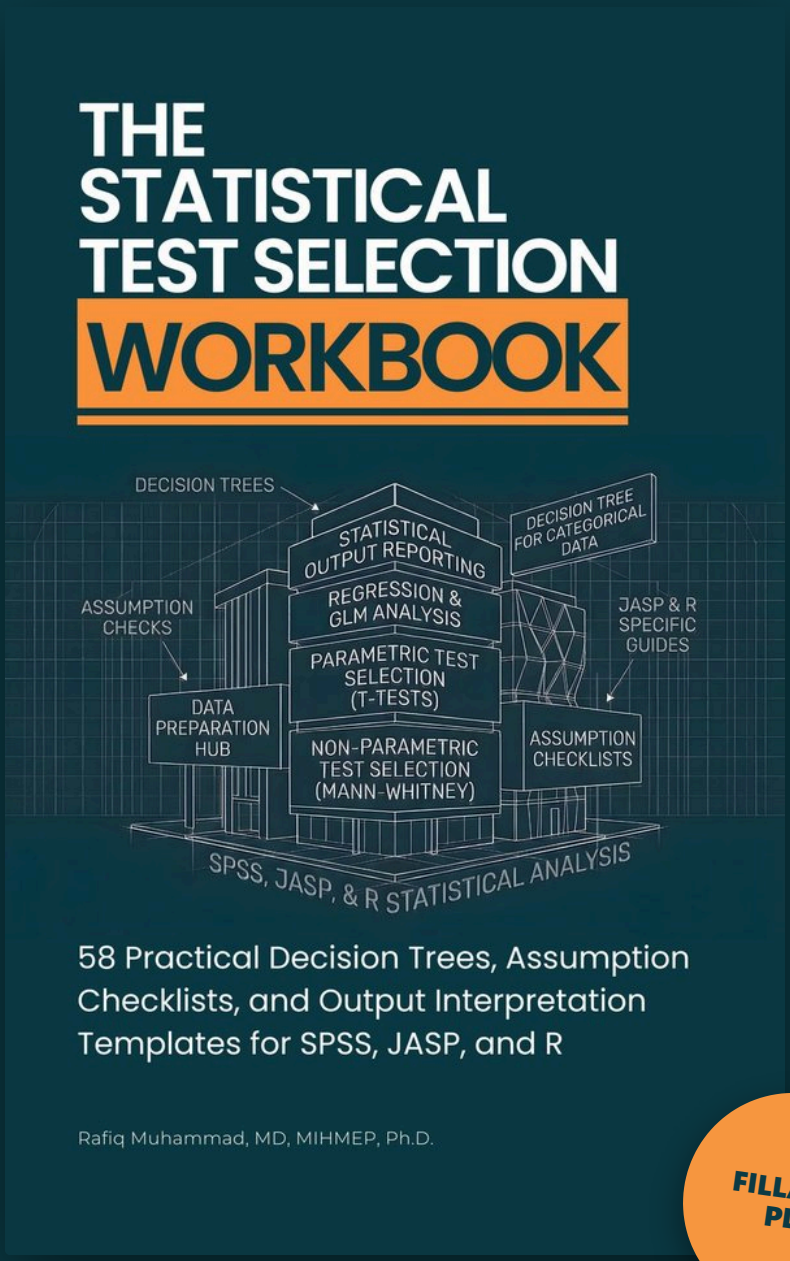
FILLABLE TEMPLATE KIT



FILLABLE PDF

The Statistical Test Selection 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-STS

How to use this kit

This kit contains every fill-in template from *The Statistical Test Selection 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 Statistical Test Selection 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/statistical-test-selection-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 · Know Your Variables			
1.1	Variable Inventory Worksheet	7	☐
1.2	Variable Classification Matrix	8	☐
1.3	Variable Role Assignment Worksheet	10	☐
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1.5	Measurement Level Decision Flowchart (Fill-In)	14	☐
Chapter 2 · The Master Decision Tree			
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Chapter 3 · The Assumption Testing Toolkit			
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Chapter 4 · Comparing Two Independent Groups			
4.1	Independent t-Test: Decision Confirmation Worksheet	41	☐
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4.4	APA Results Paragraph Template: Two Independent Groups	46	☐
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Chapter 5 · Comparing Two Related Groups			
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5.2	Paired t-Test: Output Interpretation Template (SPSS / JASP / R)	51	☐
5.3	Wilcoxon Signed-Rank: Output Interpretation Template (SPSS / JASP / R)	53	☐
5.4	APA Results Paragraph Template: Two Related Groups	54	☐
5.5	Effect Size & Power Worksheet: Two Related Groups	55	☐
Chapter 6 · Comparing Three or More Independent Groups			
6.1	One-Way ANOVA: Decision Confirmation Worksheet	57	☐

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CHAPTER 3 · THE ASSUMPTION TESTING TOOLKIT

3.1 Universal Assumption Checklist (Overview)

Purpose: A master matrix showing which assumptions apply to each of the 18 tests. Locate your selected test in the column headers, scan down that column, and tick every ✓ cell. Those ticked assumptions are the checklists you must complete before analysis.

Estimated time: 5–10 minutes → Identifies which checklists (3.2–3.6) are required for your selected test

Completed example: Template 3.1 in The Statistical Test Selection Workbook.

Assumption	Indep. t-Test	Mann-Whitney	Paired t-Test	Wilcoxon	One-Way ANOVA	Kruskal-Wallis	RM ANOVA	Friedman	Factorial ANOVA	ANCOVA	MANOVA	Pearson r	Spearman r	Simple Regr.	Multiple Regr.	Log. Regr.	Chi-Sq. Indep.	Chi-Sq. GoF
Normality Normal distribution of DV (or residuals)	☐	-	☐	-	☐	-	☐	-	☐	☐	☐	☐	-	☐	☐	-	-	-
Homogeneity-of Variance Equal variances across groups (Levene's)	☐	-	-	-	☐	-	-	-	☐	☐	☐	-	-	☐	☐	-	-	-
Sphericity Equal variances of difference scores (RM only)	-	-	-	-	-	-	☐	-	-	-	-	-	-	-	-	-	-	-
Linearity Linear relationship between variables	-	-	-	-	-	-	-	-	-	☐	☐	☐	☐	☐	☐	☐	-	-
Homoscedasticity Constant variance of residuals	-	-	-	-	-	-	-	-	-	☐	☐	☐	-	☐	☐	-	-	-
Multicollinearity Low inter-correlation among predictors	-	-	-	-	-	-	-	-	☐	☐	☐	-	-	☐	☐	☐	-	-

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CHAPTER 5 · COMPARING TWO RELATED GROUPS

5.1 Paired t-Test: Decision Confirmation Worksheet

Purpose: Verify that the paired samples t-test is the correct test for your research question. The critical feature is confirming that observations are related (same participants or matched pairs) and that normality is assessed on the difference scores, not on the raw measurements at each time point.

Estimated time: 5–10 minutes → Documents test-selection rationale; confirms normality is checked on difference scores

Completed example: Template 5.1 in The Statistical Test Selection Workbook.

YOUR STUDY — Complete one sheet per research question / hypothesis

Research Question:
Time 1 / Condition 1: _____ (n = _____) | Time 2 / Condition 2: _____ (n = _____)
DV: _____ Measurement Level: _____

	Prerequisite	Evidence from Your Study (link to completed template)
☐	The SAME participants are measured TWICE, OR participants are MEANINGFULLY MATCHED in pairs (e.g., matched case-control, twin study, crossover design). If groups are independent (different participants), use Chapter 4. Matching must be a deliberate design feature, not post-hoc.	
☐	The dependent variable is CONTINUOUS (interval or ratio measurement level). If the DV is ordinal, skip directly to Template 5.3 (Wilcoxon Signed-Rank). Confirm in Template 1.2.	
☐	The DIFFERENCE SCORES (DV_Time2 minus DV_Time1 for each participant) are approximately normally distributed. Check this in Template 3.2, applied to the computed difference variable. Do NOT check normality on Time 1 and Time 2 scores separately.	
☐	Each participant-pair contributes exactly ONE difference score (independence of pairs). Within-pair measurements are related (expected). Across-pair measurements must be independent. Participants should not appear in more than one matched pair.	

CONCLUSION	☐ ALL prerequisites met — Proceed with Paired Samples t-Test (Template 5.2). ☐ Difference scores non-normal — Use Wilcoxon Signed-Rank Test (Template 5.3). Update Template 2.3 ☐ Design is NOT two-related-groups — Return to Chapter 2 decision tree.

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End of the sample

This sample shows 2 templates: 3.1 Universal Assumption Checklist (Overview); 5.1 Paired t-Test: Decision Confirmation Worksheet.

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

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