Project LaTeX Explainer and Navigational Guide

Documentation Index for the Shaikh & Tonak Replication September 27, 2025

Abstract

This guide explains where to find every major piece of information in the project: methodology, code, data, generated reports, and build instructions. Use it as a map to quickly locate what you need.

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1 Project Structure Overview

Path	Purpose			
data/	All data sources: extracted book tables, unified historical			
	database, and modern extension data.			
data/extracted_tables/	b6blapttab bets/bles extracted from the book (replication tar-			
	gets).			
data/unified_database/	Integrated cross-source database for analysis and valida-			
	tion.			
src/	All code (extraction, analysis, replication, validation, ex-			
	tension).			
src/analysis/replication/ripts to reproduce Table 5.4 and related res				
<pre>src/analysis/validation</pre>	on Cross-validation tools comparing sources and checking ac-			
	curacy.			
docs/methodology/	Core methodology in LaTeX (complete technical descrip-			
	tion).			
docs/latex/	Focused LaTeX documents: code explainer, validation,			
	this explainer, and bird's-eye view.			
docs/reports/	Generated reports and summaries.			
.github/workflows/	CI configuration for building PDFs (artifacts uploaded on push/PR).			

2 Key LaTeX Documents and What They Contain

Document	Contents	
docs/methodology/SHAIKH_TONAK_MECHODOLOGY wariable definitions,		
	data sources, formulas, validation metrics,	
	quality checks.	
docs/latex/SHAIKH_TONAK_METHODO	LNGATHATALOGODEvitlexside-by-side implementa-	
	tion notes and code-oriented details.	
docs/latex/SHAIKH_TONAK_CODE_EX	PIEMANER description, LaTeX formulas, and	
	Python listings outside tables for clarity.	
docs/latex/SHAIKH_TONAK_VALIDAT	INNSREPORTE textistical validation; compiles	
	even if plots are missing.	
docs/latex/PROJECT_LATEX_EXPLAI	NERhisexavigational guide to all project re-	
	sources.	
docs/latex/PROJECT_BIRDS_EYE_VI	EWStructure transfer overview: replication story, com-	
	parisons, updates, implementation reason-	
	ing, and charts.	

3 Where to Find Data

• Book Tables: data/extracted_tables/book_tables/

- Unified Historical DB: data/unified_database/
- Modern Extension Inputs: data/modern/
- Source PDFs: data/source_pdfs/

4 Where to Find Code

• Replication: src/analysis/replication/

• Validation: src/analysis/validation/

• Extraction: src/extraction/

• Core Utilities: src/core/

• Extension: src/extension/

5 How to Build the LaTeX Documents

Build Commands

Use the project script (requires latexmk):

./scripts/build-latex.sh --outdir build/pdf

Builds all .tex in docs/latex/ and docs/methodology/ (outputs under build/pdf).

Continuous Integration builds PDFs automatically on push/PR via .github/workflows/latex.yml and uploads them as artifacts.

6 Quick Links (Paths)

- Methodology: docs/methodology/SHAIKH_TONAK_METHODOLOGY.tex
- Code Explainer: docs/latex/SHAIKH_TONAK_CODE_EXPLAINER.tex
- Validation Report: docs/latex/SHAIKH_TONAK_VALIDATION_REPORT.tex
- Bird's-Eye View: docs/latex/PROJECT_BIRDS_EYE_VIEW.tex

7 Troubleshooting

Common Issues

- Missing images: documents are robust to missing plots and will compile without them
- Package availability: latexmk and common LaTeX packages are required; CI installs TeX Live groups that satisfy them.
- Clean build: run latexmk -C in the output directory for a fresh build.