Markdown & Jamovi Files for Each Chapter

(Last Updated Nov 5, 2026) (The Jamovi file examples often show the standard analysis (e.g., analysis of covariance) and then ways to do this using the SEM modules. For many of the models it's probably easiest to use the SEM Syntax module at the end which essentially copies the lavaan code with minor adaptations.

Important note: It appears that lavaangui, which was an interactive path diagram module, has been obsoleted, I am in the process of updating the markdown code to use the OnyxR package, which code example is available in the Chapter 8 markdown. The OnyxR module, though hasn't been updated, so if you use the most recent version of Ωnyx it's not going to work. Use version 1.0-1026 for compatibility with onyxR. Here's the latest .jar that will run with OnyxR

Chapter Resources Table[1]

Chapter	R Markdown Code	Onyx (dowload the files)	Jamovi (download the file)	Slides	Notes
1. Introduction				Introduction	Additional Readings
2. Data Representation	Google Sheet	GaltonData Program		Score Matrices	Score Matrix Summary
3. Path Diagrams	Markdown ! Mplus		How to do it in Jamovi or, if you want to simply work with the Jamovi file with these steps done	Path Slides	
4. Three Variable Models	Markdown ! Mplus		Two Predictor Regression / Partial and Semi-Partial Correlation / Three Indicator Factor / Fuel Efficiency / Mediation / One-Way Anova as SEM / Dependent T-test / Ancova / Latent	Path Slides and Key Ideas from the Examples	

[1] Notice that some browser will convert .csv files to xlsx files automatically, requiring you to save it as .csv on your computer. Note that Jamovi files will need to be downloaded.

			Difference Models / Reciprocal Causality		
5. Regression Diagnostics	Markdown		Anscombe Data / AHB Loess Example	Path Slides And Key Ideas from the Chapter	
6. Vector Algebra	Markdown		Nothing Available to my knowledge	Key Ideas from the Chapter	You can find some apps to illustrate working with vectors. There is the PhET simulator, vector addition at Geogebra or bivariate regression or here. You can also explore the case of two-predictor regression
7. Reliability Models/ Correction for Attenuation	Markdown		Correction for Attenuation	Path Slides Key Ideas from the Chapter	
8. Confirmatory Factor Models	Markdown		CFA Examples / Filtered FlexPlot	Path Slides Key Ideas from the Chapter	
9. Model Fit and Comparison	Fit Statistics are presented in other Markdowns Power Associated with a Single Paramter Power and Bias for all parameters of an SEM (employs missing data patterns) SingleParameterPower		Fit Statistics are presented in other Jamovi Outputs	Key Ideas from the Chapter	

10. Measurement Models	Markdown		Measurement Models	Path Slides Key Ideas from the Chapter	
11. Matrix Notation Models	Markdown		Oblique Factor Model	Key Ideas from the Chapter	
12. Parsimonious Factors	Markdown		Drinking Expectations Examples. / MTMM Example / State-Trait & Random Intercept	Path Slides Key Ideas from the Chapter	
13.Change and Growth	Markdown		Change & Growth	Path Slides Key Ideas from the Chapter	
14. Multi-Group Models	Markdown		Galton Data / Two Predictor Regression Example /	Path Slides Key Ideas from the Chapter	
15. Exploratory Factor Analysis	Markdown			Path Slides Key Terms from the Chapter	
16. Exploratory Factor Analysis Rotation	Markdown			Key Terms from the Chapter	
17. SEM Influence Diagnostics	Markdown			Key Terms from the Chapter	
18. Categorical Dependent Variables	Markdown			Key Terms from the Chapter More Details on Chapter 18. Path Slides	
Generate Simulated Data which Exactly Matches Specific Means, Standard	Markdown				

Deviations & Correlations					