Matrix Algebra Preparation

Books

Linear Algebra Done Right, Sheldon Axler:
https://linear.axler.net/

A Mathematical Primer for Social Statistics, John Fox:
https://us.sagepub.com/en-us/nam/a-mathematical-primer-for-social-statistics/book274356

Simon and Blume, Mathematics for Economists (difficult):
http://www.repetitfind.ru/Literature/subjects/Blume-Mathematics-for-Economists.pdf

Broida and Gill, Comprehensive Introduction to Linear Algebra: https://cseweb.ucsd.edu/~gill/CILASite/

Moore, Will H. and David A. Siegel. 2013. A Mathematics Course for Political and Social Research. Princeton, NJ: Princeton University Press. YouTube Lecture Series:
https://www.youtube.com/channel/UCrA2SLUKnV6yjdgIfDwFeGg

Linear Algebra Step-by-Step:
https://www.amazon.com/Linear-Algebra-Step-Kuldeep-Singh/dp/0199654441

No bullshit guide to linear algebra, Ivan Savov:
https://www.amazon.com/No-bullshit-guide-linear-algebra/dp/0992001021

Hefferon, Linear Algebra: https://joshua.smcvt.edu/linearalgebra/

Math for Deep Learning: What you Need to Know to Understand Neural Networks, Ronald T. Kneusel
https://www.amazon.com/Math-Deep-Learning-Understand-Networks/dp/1718501900

Online Courses

CenterStat: Matrix Algebra Review https://centerstat.org/matrix-review/

MIT Open Courseware: Linear Algebra https://ocw.mit.edu/courses/18-06-linear-algebra-spring-2010/

3Blue1Brown: Linear Algebra https://www.3blue1brown.com/topics/linear-algebra

Khan Academy, Linear Algebra: https://www.khanacademy.org/math/linear-algebra

Linear Algebra Done Right, Sheldon Axler: https://linear.axler.net/LADRvideos.html

Moore, Will H. and David A. Siegel. 2013. A Mathematics Course for Political and Social Research. Princeton, NJ: Princeton University Press. YouTube Lecture Series:
https://www.youtube.com/channel/UCrA2SLUKnV6yjdgIfDwFeGg

Immersive Linear Algebra: http://immersivemath.com/ila/ (good visualizations)

Complete linear algebra (Udemy, Not Free):
https://www.udemy.com/course/linear-algebra-theory-and-implementation/

Understanding Linear Algebra, David Austin: https://davidaustinm.github.io/ula/ula.html

Linear Algebra – Foundations to Frontiers:
https://www.edx.org/course/linear-algebra-foundations-to-frontiers

Chapters/Excerpts

William Revelle's Psychometric Book Appendix E: https://personality-project.org/r/book/A5.pdf

Sasha Epskamp's Intro to SEM: http://sachaepskamp.com/SEM2020

Rencher & Schaalje, Linear Models in Statistics (Introductory Chapter):
http://www.utstat.toronto.edu/~brunner/books/LinearModelsInStatistics.pdf

Kanti, Mardia, Bibby, Multivariate Analysis (Appendix):
https://statisticalsupportandresearch.files.wordpress.com/2017/06/k-v-mardia-j-t-kent-j-m-bibby-multivariate-analysis-probability-and-mathematical-statistics-academic-press-inc-1979.pdf

Podcasts

Quantitude The Mattrix Episodes: https://quantitudepod.org/s3e22-thematrix-part1/
https://quantitudepod.org/s3e23-the-mattrix-part-2/