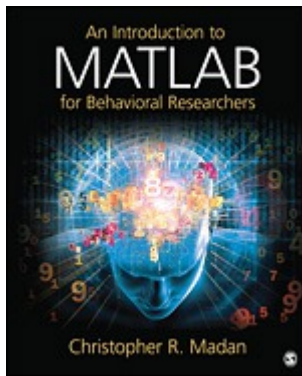# An Introduction to
MATLAB
for Behavioral Researchers

Christopher R. Madan

An Introduction to MATLAB for Behavioral Researchers

[Christopher R. Madan](#) - The University of Nottingham, UK

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MATLAB is a powerful data analysis program, but many behavioral science researchers find it too daunting to learn and use. **An Introduction to MATLAB for Behavioral Researchers** is an easy-to-understand, hands-on guide for behavioral researchers who have no prior programming experience. Written in a conversational and non-intimidating style, the author walks students—step by step—through analyzing real experimental data. Topics covered include the basics of programming, the implementation of simple behavioral analyses, and how to make publication-ready figures. More advanced topics such as pseudo-randomization of trial sequences to meet specified criteria and working with psycholinguistic data are also covered. Interesting behavioral science examples and datasets from published studies, such as visualizing fixation patterns in eye-tracking studies and animal search behavior in two-dimensional space, help develop an intuition for data analysis, which is essential and can only be developed when working with real research problems and real data.

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1. The Basics

2. Data, Meet MATLAB

Reviews:
"This is definitely one of the better MATLAB textbooks that I have seen out there."

Thomas Serre
Brown University

This is good, have recommended it to colleagues too

Dr Jabulani Makhubele
Social Work, University of Limpopo

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