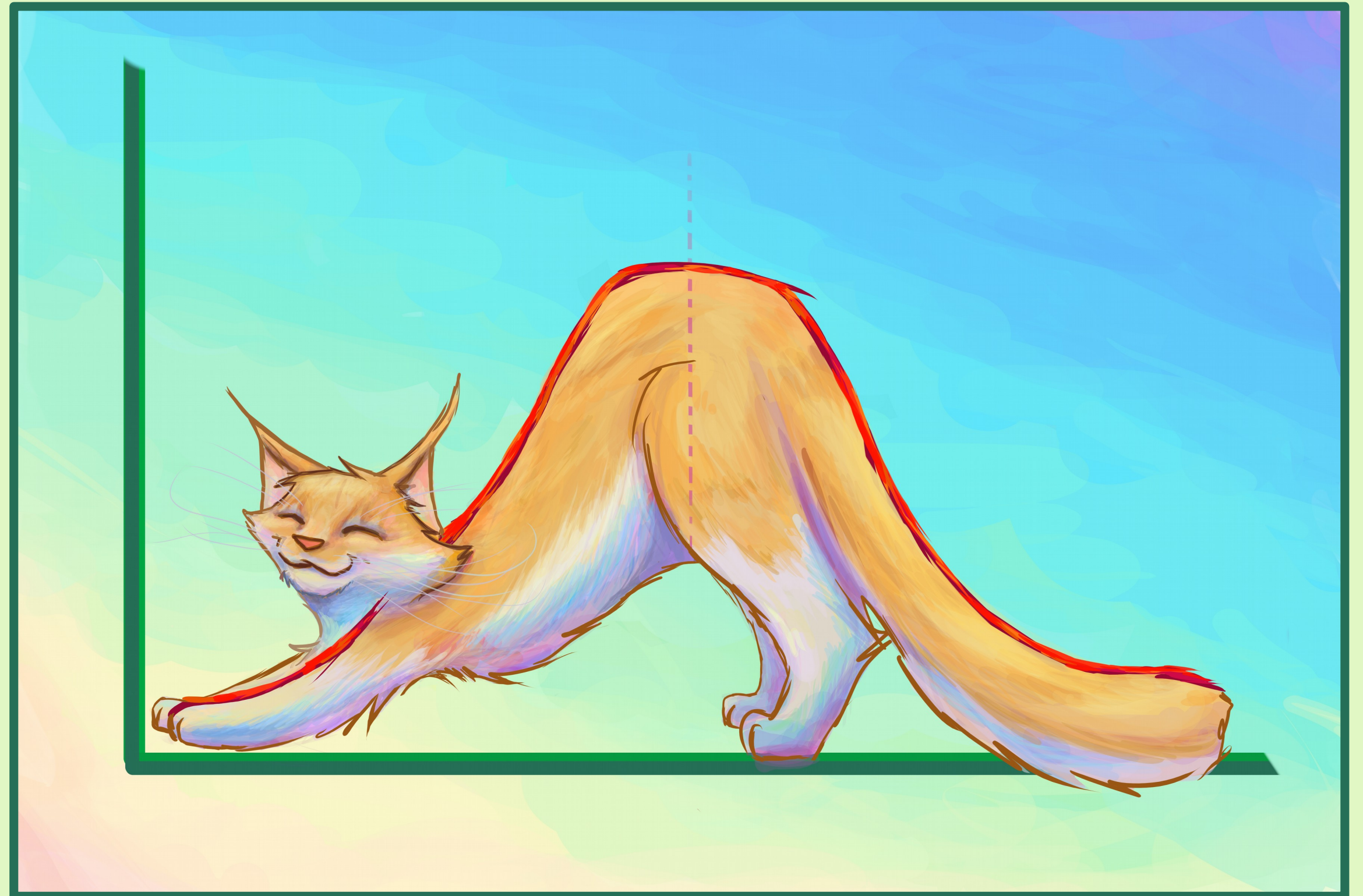# Fundamental Statistical Concepts and Techniques in the Biological and Environmental Sciences: With jamovi

Book topics

- Background mathematics
- Data and file organisation
- Populations, samples, and variables
- Summary statistics and plotting
- Probability models and distributions
- Confidence intervals
- Hypothesis testing
- Analysis of Variance (ANOVA)
- Frequency and count data
- Correlation and regression
- Randomisation techniques

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Key features

- Focuses on the basics of statistical thinking in the biological and environmental sciences
- Prioritises statistical judgement and understanding key statistical concepts
- Twenty six chapters on fundamental statistical concepts and techniques
- Nine chapters on practical skills with exercises in jamovi (https://jamovi.org/)
- Written for an introductory statistics class

Why jamovi?

Jamovi is a community-driven, free and open source statistical software that works on Windows, Mac, Linux, Chrome, and online within a browser. Jamovi is built on top of the R programming language, and its user-friendly interface makes it ideal for introductory statistics.

Availability

- Free online (scan QR code)
- Available in print (CRC Press)
- Interactive apps (R shiny)
- Open datasets (https://osf.io/dxwyv)
- Free audiobook

Author

Brad Duthie, PhD, FHEA
http://bradduthie.github.io
University of Stirling