Bmbstats: Bootstrap Magnitude Based Statistics for Sports Scientists

bmbstats: Bootstrap Magnitude-based Statistics for Sports Scientists by Joya Goffney

★★★★★ 5 out of 5

Language	: English
File size	: 14616 KB
Screen Reader	: Supported
Print length	: 440 pages
Lending	: Enabled

Bmbstats is a free and open-source software package for performing bootstrap magnitude-based statistics. It is designed to be easy to use for sports scientists and other researchers who want to analyze the effects of interventions on performance outcomes.

Magnitude-based statistics (MBS) is a statistical approach that uses effect sizes to quantify the magnitude of an intervention effect. MBS is based on the idea that the magnitude of an effect is more important than its statistical significance. This is because a statistically significant effect may not be large enough to be meaningful, while a non-significant effect may be large enough to be meaningful.

Bootstrap statistics is a resampling technique that can be used to estimate the sampling distribution of a statistic. This allows researchers to make inferences about the population from which the sample was drawn.

Bmbstats combines the strengths of MBS and bootstrap statistics to provide a powerful tool for analyzing the effects of interventions on performance outcomes.

Features

Bmbstats offers a number of features that make it easy to use for sports scientists and other researchers. These features include:

* A user-friendly interface * A variety of statistical tests * The ability to import and export data * The ability to create customized reports

Getting Started

To get started with Bmbstats, you can download the software from the website. Once you have downloaded the software, you can install it by following the instructions in the installation guide.

Once you have installed Bmbstats, you can open the software and create a new project. You can then import your data into the project. Once you have imported your data, you can select the statistical test that you want to perform.

Bmbstats will then perform the statistical test and display the results. You can then export the results to a file or create a customized report.

Examples

Bmbstats can be used to analyze a variety of different types of data. Here are a few examples of how Bmbstats can be used:

* To compare the effects of two different training interventions on performance * To determine the effect of a nutritional supplement on recovery from exercise * To assess the reliability of a measurement tool

Bmbstats is a powerful tool for analyzing the effects of interventions on performance outcomes. It is easy to use and offers a variety of features that make it ideal for sports scientists and other researchers.

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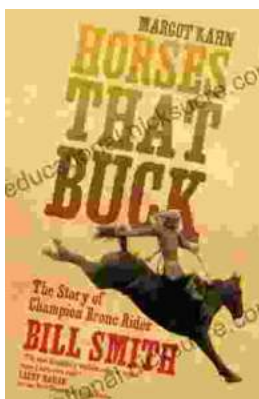
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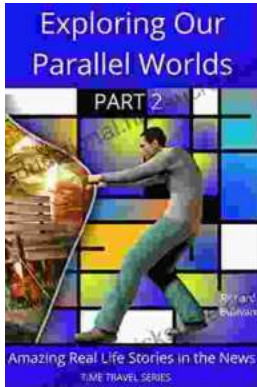|	
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