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Beyond "power pose": Using replication failures and a better understanding of data collection and analysis to do better science

Beyond "power pose": Using replication failures and a

Javier Benitez points us to this article from 2014 by Susan Howitt and Anna Wilson, which has subtitle, "The way textbooks and scientific research articles are being used to teach undergraduate students could convey a misleading image of scientific research," and begins: In 1963, Peter Medawar gave a talk, Is the scientific paper a fraud?, in which he argued that scientific journal ...

Statistical Modeling, Causal Inference, and Social Science

A Bayesian network, Bayes network, belief network, Bayes(ian) model or probabilistic directed acyclic graphical model is a probabilistic graphical model (a type of statistical model) that represents a set of variables and their conditional dependencies via a directed acyclic graph (DAG). For example, a Bayesian network could represent the probabilistic relationships between diseases and symptoms.

Bayesian network - Wikipedia

This book, along with Think Stats: Exploratory Data Analysis, Think Bayes: Bayesian Statistics in Python, and Bayes' Rule: A Tutorial Introduction to Bayesian Analysis, improved my understanding for the motivations, applications, and challenges in Bayesian statistics and probabilistic programming. For reference, my background is in computer science, viewed mostly from a software engineering ...

Bayesian Methods for Hackers: Probabilistic Programming

In statistics, Bayesian linear regression is an approach to linear regression in which the statistical analysis is undertaken within the context of Bayesian inference. When the regression model has errors that have a normal distribution, and if a particular form of prior distribution is assumed, explicit results are available for the posterior probability distributions of the model's parameters.

Bayesian linear regression - Wikipedia

A Bayesian Course with Examples in R and Stan (& PyMC3 & brms too) Materials. Book: CRC Press, Amazon.com Book sample: Chapters 1 and 12 (2MB PDF) Lectures and slides: * Recorded Lectures: Fall 2017, Winter 2015 * Lecture Slides: Speakerdeck Code and examples:

Statistical Rethinking " Richard McElreath

Provides detailed reference material for using SAS/STAT software to perform statistical analyses, including analysis of variance, regression, categorical data analysis, multivariate analysis, survival analysis, psychometric analysis, cluster analysis, nonparametric analysis, mixed-models analysis, and survey data analysis, with numerous examples in addition to syntax and usage information.

SAS/STAT(R) 9.22 User's Guide

The Weibull distribution is one of the most widely used lifetime distributions in reliability engineering. It is a versatile distribution that can take on the characteristics of other types of distributions, based on the value of the shape parameter, .

The Weibull Distribution - ReliaWiki

Provides detailed reference material for using SAS/STAT software to perform statistical analyses, including

analysis of variance, regression, categorical data analysis, multivariate analysis, survival analysis, psychometric analysis, cluster analysis, nonparametric analysis, mixed-models analysis, and survey data analysis, with numerous examples in addition to syntax and usage information.

SAS/STAT(R) 14.1 User's Guide

This is page 7 Printer: Opaque this 1 Introduction to Bayesian Decision Theory 1.1 Introduction Statistical decision theory deals with situations where decisions have to be

Lecture Notes on Bayesian Estimation and Classification

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