Resource Summary Report

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Bayesian Analysis of Common NMR Problems

RRID:SCR_007182
Type: Tool

Proper Citation

Bayesian Analysis of Common NMR Problems (RRID:SCR_007182)

Resource Information

URL: http://bayesiananalysis.wustl.edu

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Description: Welcome to the Bayesian Analysis of Common NMR Problems software home page. This Bayesian analysis software is a series of programs with a Java interface that use Bayesian probability theory to solve common data analysis problems that occur in the sciences and in NMR in particular. Click here for a complete list of the applications addressed. The programs that run the various Bayesian analysis, the server software, were developed at Washington University by Dr. G. Larry Bretthorst and the Java language client interface was developed by Dr. Karen Marutyan. The combination of the server and client software is called the Bayesian Analysis of Common NMR Problems software. However, this name is slightly misleading because this software can analyze data from many different sources, not just NMR data. Additionally, unlike the previous interface to this software, this new interface does not require the user to have access to any specialized NMR software, i.e., this interface is completely independent of Varian''s VnmrJ, although the interface can load and process data from a Varian spectrometer. Sponsors: This resource is supported by the Washington University in St. Louis. Keywords: Analysis, Software, Java, Theory, Science, NMR, Server, Data, Spectrometer,

Synonyms: Bayesian Analysis

Resource Type: data analysis software, software application, data processing software, software resource

Funding:

Resource Name: Bayesian Analysis of Common NMR Problems

Resource ID: SCR_007182

Alternate IDs: nif-0000-30164

Record Creation Time: 20220129T080240+0000

Record Last Update: 20250508T065057+0000

Ratings and Alerts

No rating or validation information has been found for Bayesian Analysis of Common NMR Problems.

No alerts have been found for Bayesian Analysis of Common NMR Problems.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Yoshihara HAI, et al. (2021) Assessment of Aspartate and Bicarbonate Produced From Hyperpolarized [1-13C]Pyruvate as Markers of Renal Gluconeogenesis. Frontiers in physiology, 12, 792769.

Ge X, et al. (2019) Test-Retest Performance of a 1-Hour Multiparametric MR Image Acquisition Pipeline With Orthotopic Triple-Negative Breast Cancer Patient-Derived Tumor Xenografts. Tomography (Ann Arbor, Mich.), 5(3), 320.

Leuthardt EC, et al. (2016) Hyperthermic Laser Ablation of Recurrent Glioblastoma Leads to Temporary Disruption of the Peritumoral Blood Brain Barrier. PloS one, 11(2), e0148613.

Beeman SC, et al. (2015) Renal DCE-MRI Model Selection Using Bayesian Probability Theory. Tomography (Ann Arbor, Mich.), 1(1), 61.

Jespersen SN, et al. (2007) Modeling dendrite density from magnetic resonance diffusion measurements. NeuroImage, 34(4), 1473.