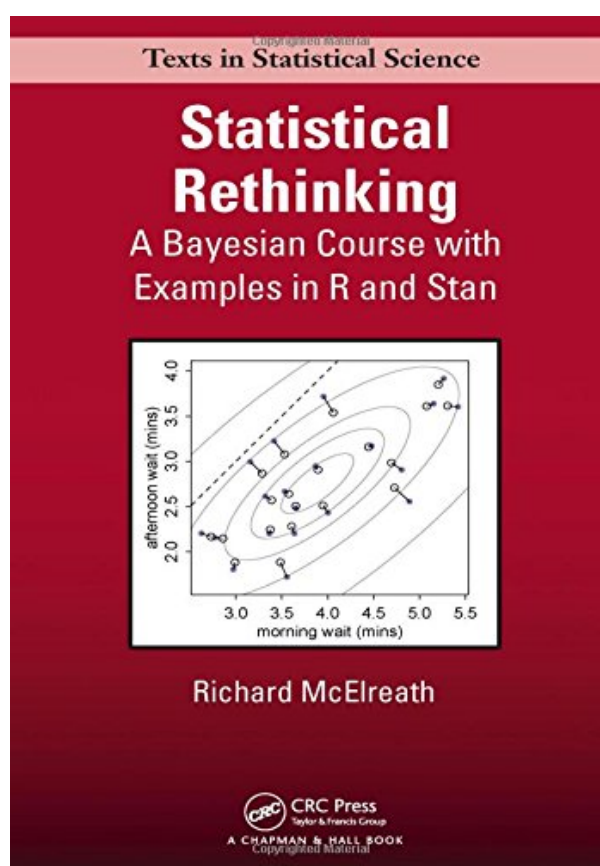


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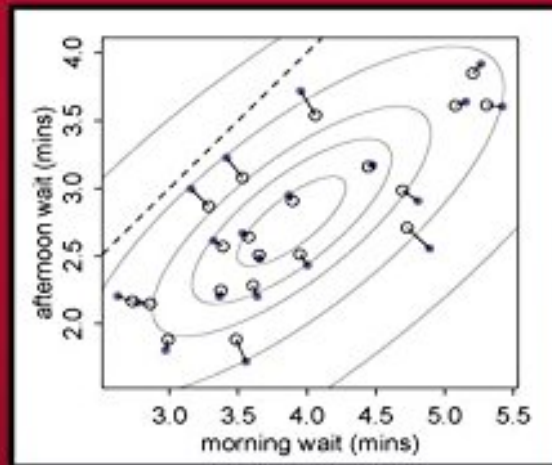
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The text presents generalized linear multilevel models from a Bayesian perspective, relying on a simple logical interpretation of Bayesian probability and maximum entropy. It covers from the basics of regression to multilevel models. The author also discusses measurement error, missing data, and Gaussian process models for spatial and network autocorrelation.

By using complete R code examples throughout, this book provides a practical foundation for performing statistical inference. Designed for both PhD students and seasoned professionals in the natural and social sciences, it prepares them for more advanced or specialized statistical modeling.

## Web Resource

The book is accompanied by an R package (`rethinking`) that is available on the author's website and GitHub. The two core functions (`map` and `map2stan`) of this package allow a variety of statistical models to be constructed from standard model formulas.

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