



## Einladung zum Biometrischen Kolloquium

Organisator: Zentrum für Medizinische Statistik, Informatik und Intelligente Systeme (Medizinische Universität Wien)  
Chair: Franz König, Martin Posch (CeMSIIS)

### R. A. BAILEY

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## HASSE DIAGRAMS AS AN AID TO UNDERSTANDING A FAMILY OF MODELS IN EXPERIMENTS ON BIODIVERSITY?

**20. März 2017 um 13:30 Uhr**

Informatik-Bibliothek (Ebene 3, Raum 88.03.806) des Zentrums für Medizinische Statistik, Informatik und Intelligente Systeme (CeMSIIS) Medizinische Universität Wien, Spitalgasse 23, 1090 Wien

<http://www.muw.ac.at/cemsiis/allgemeines/anschrift/>

### Abstract:

It is now widely believed that biological diversity is good for the environment. One way that ecologists test this is to place carefully chosen collections of species in mini-environments and then measure some outcome. But is the outcome affected by the number of different species present, or is it just the number of members of each species that matters? And is there an interaction between these? Are the answers affected by the temperature, or by the complexity of the environment?

I have been working with a group of fresh-water ecologists on the design and analysis of such experiments. One of my crucial inputs has been the use of Hasse diagrams as a way of understanding a complicated family of models for the expectation of the response.

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### Wiener Biometrische Sektion

<http://www.meduniwien.ac.at/wbs/>

### Vorstand

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