54 SEMINARS FOUND…

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10 MAR 21

Time-varying trends in repeated measures data: Model, control, or ignore?
14:00 - 15:00

Dale Barr - University of Glasgow

Methods & Meta-science

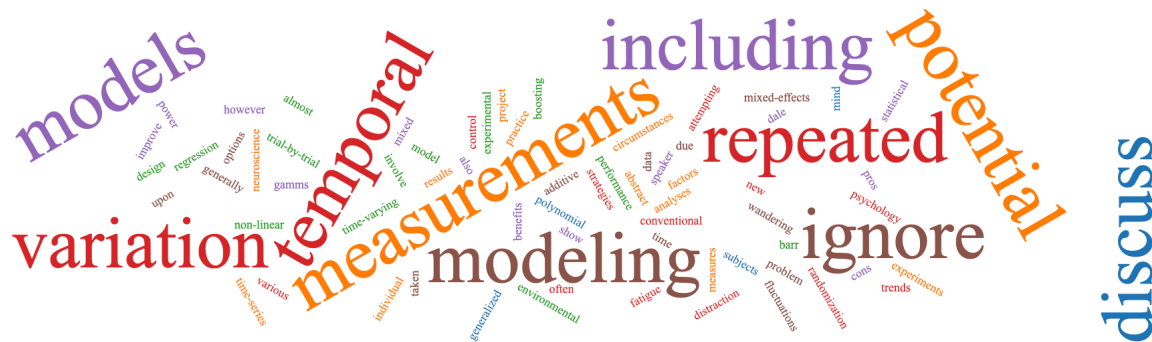62 Hillhead Street, Level 5, Seminar Room

ADD TO CALENDAR

37.5% match based on your interests   repeated   ignore   measurements

Speaker: Dale Barr Abstract: Almost all experiments in psychology and neuroscience involve repeated measurements taken over time. Very often, measurements from individual subjects show temporal variation due to such factors as practice, fatigue, mind wandering, or environmental distraction. However, in our statistical analyses we generally ignore this temporal variation. Under what circumstances is this a problem? And what are the potential benefits of modeling trial-by-trial fluctuations in performance? I will discuss pros and cons of various options for time-series modeling, including non-linear mixed-effects models, polynomial regression, and generalized additive mixed models (GAMMs). I will also discuss the potential for boosting power through experimental design, including results from a new project that is attempting to improve upon conventional randomization strategies.

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10 MAR 21

FATA Coffee
15:00 - 15:30

Various

Formal Analysis, Theory and Algorithms (FATA)

Online