WOMM

Workshop on Ordinary and Multilevel Modeling

At 2009 CUNY Conference on Sentence Processing, UC Davis

Ciao ciao

Some final thoughts

- What do we do when *what's familiar* (probability space; original scales such as msecs; linear effects) is not *what's best/better*?
- More flexibility and power to explore and understand complex dependencies in the data do not come of free, they require additional education that’s not standardly available in our field.
  - Let's distinguish challenges relate to complexity of our hypothesis and data vs. issues with method (regression).
  - cf. What's the best measure of effect sizes? What to do when there is collinearity? vs. biased variance estimates for ML-fitted models; accuracy of Laplace approximation

Thanks!

- Matt Traxler (Psychology, UC Davis)
- Tamara Swaab (Psychology, UC Davis)
- Noelle Blalock (CMB)
- Andrew Watts (HLP lab, University of Rochester)

- **Sponsors:** UNC (Jennifer Arnold), CLS/UofR (Mike Tanenhaus), IRCS (John Trueswell), UC Davis (Matt Traxler), CMB (Andy Yonelinas), Stanford (Thomas Wasow)

Thanks for the idea and feedback:

- Jennifer Arnold
- John Trueswell
- Shravan Vasishth
- Jim Magnuson
- Dan Mirman

Future plans

- Potential work similar workshops (but longer)?
- More time for recent advances
  - Eye-tracking
  - ERP
  - Non-linear models
  - Bayesian background
- Could invite outside experts (Bates, Kliegl, Gelman, …)?

Feedback

- Whether you liked it or not, please visit the WOMM webpage in a couple of days to **give us feedback**
- We'll also update our slides, make the source code with more R code in it available.
- Consider subscribing to R-lang!