

# What I Saw at USCOTS

Doug Andrews  
Wittenberg University  
18 May 2019

# Old World Order

- Doug Andrews
- Judith Canner
- Catherine Case
- Matthew Hayat
- Amy Hogan
- Andre Lubecke

# New World Order

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- Andre Lubecke
- Catherine Case
- Doug Andrews
- Judith Canner
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# Ch 1 Exam, Spring 2019

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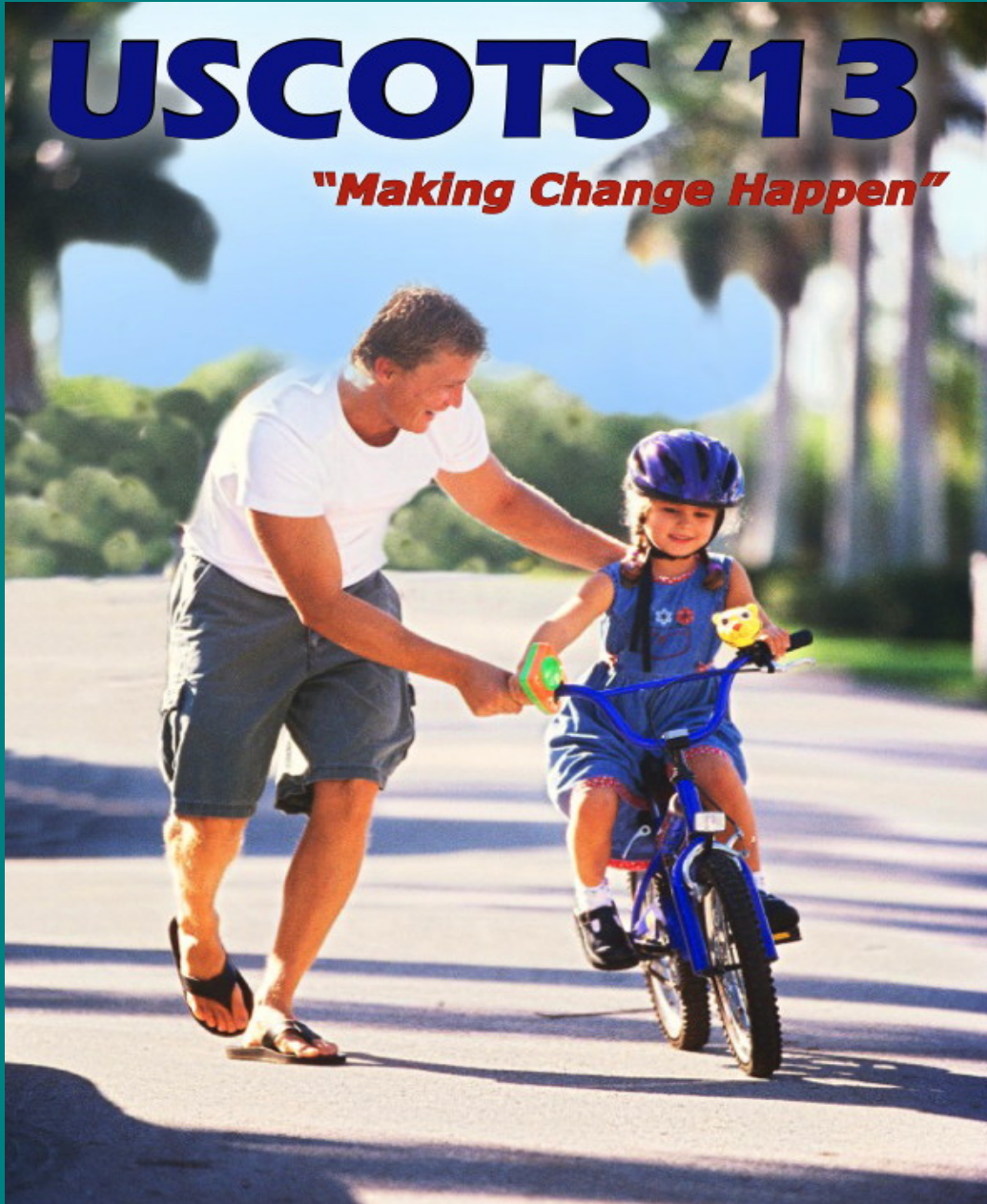
# What I Saw at USCOTS

People who are

- Passionate about teaching and data
- Unafraid to reflect on what they're doing
- Committed to doing what's best
- Willing to change and grow
- Becoming a change agent

# USCOTS '13

*"Making Change Happen"*



Letting Go  
To  
Grow



Teaching p values poorly:

# Teaching p values poorly:



Teaching p values well:



Teaching p values well:



# Reevaluating Priorities

Evaluating evidence is far more than just

- hypothesis tests,
- p values, and
- statistical significance.

But way too much of the typical intro stat course or text is still spent on traditional significance testing.

# Reevaluating Priorities

Instead, let's spend more time and energy on

- effect sizes
- visualization, randomization, simulation
- modeling
- data science
- Bayes

# What's Next?

- Go down from the mountain top.
- Share the good news with everyone down below.
- Be the catalyst in your own Happy Valley.