When and how will this storm hit us?
• they're ahead of us
– they have some paper retractions
• we don't (yet) have any retractions for methodological considerations

The replication crisis in psychology & its possible repercussions for the future of vis evaluation;

or, What's making me lose sleep lately

I sense a great disturbance in the Force:

The replication crisis in psychology
• early rumblings left me with (ignorable) qualms
  – papers is most published research false!, Sterks Deliver Babes (p< 0.008), The Earth is spherical (p < 0.05), False-Positive Psychology
• groundswell of change for what methods are considered legitimate
  – out
  – p-value fishing / data dredging
  – Hypothesizing After Results are Known (HARKing)
  – in
  – replication
  – preregistration
  – brouhaha with bimodal responses
• some people doubling down and defending previous work
• many willing to repudiate (their own) earlier styles of working

Terrain of blog critiques
• meta: methods for methodological critique
  – Uri Simonsohn DataColada post on civility
    – http://datacolada.org/52
  – don't label, describe
  – don't infer malignity
  – reach out: contacting authors whose work you discuss before making things public
  – especially posts on topic Scientific Integrity
  – resonates with my own first foray into blog critique
    – http://tamaramunzner.wordpress.com/2016/01/16/on-the-memorability-debate/
    – *test* go out to dinner with Stephen Few the night I wrote my blog posts!
    – leading me to pick my tone with suitable care

Is BELIV still needed?
• yes yes yes! so much to think about!
• progression / cycle
  – no evaluation
  – first wave of quantitative evaluation
  – second wave of qualitative evaluation
  – now: third wave revisiting quantitative evaluation??

Remarkable introspection on methods
• thoughtful willingness to change standards of field
  – Andrew Gelman’s commentary on the Susan Fiske article
  – Simone Vazier’s entire Sometimes I’m Wrong blog post What I Want Our Field to Prioritize
    – http://sometimesimwrong.typepad.com/
  – Dana Carney’s brave statement on her previous power pose work