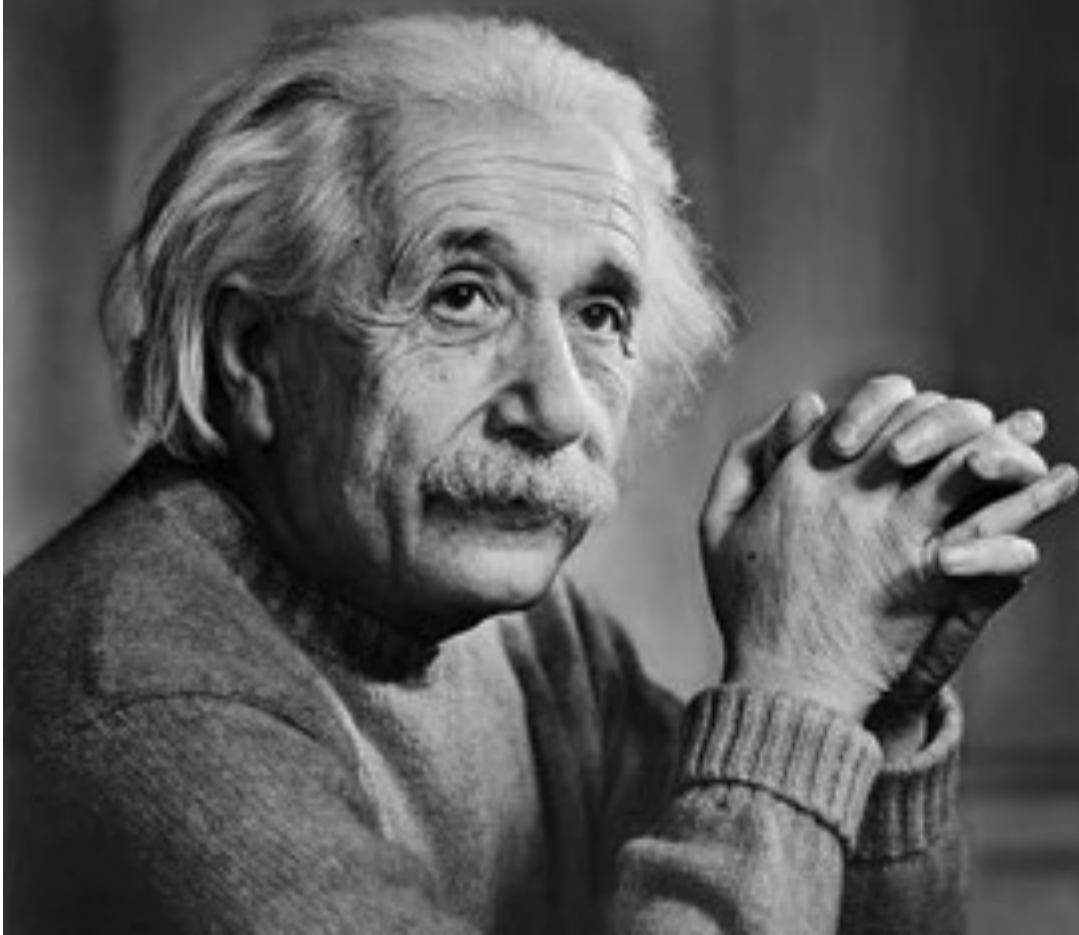


If you can't explain it **simply**, you don't understand it well enough.

– Albert Einstein




Conducting and planning research comes down to two fundamental questions:

➤ What?

➤ How?

**What?**



**"Before the deed comes the thought. Before the achievement comes the dream. Every mountain we climb, we first climb in our mind." - Royal Robbins**

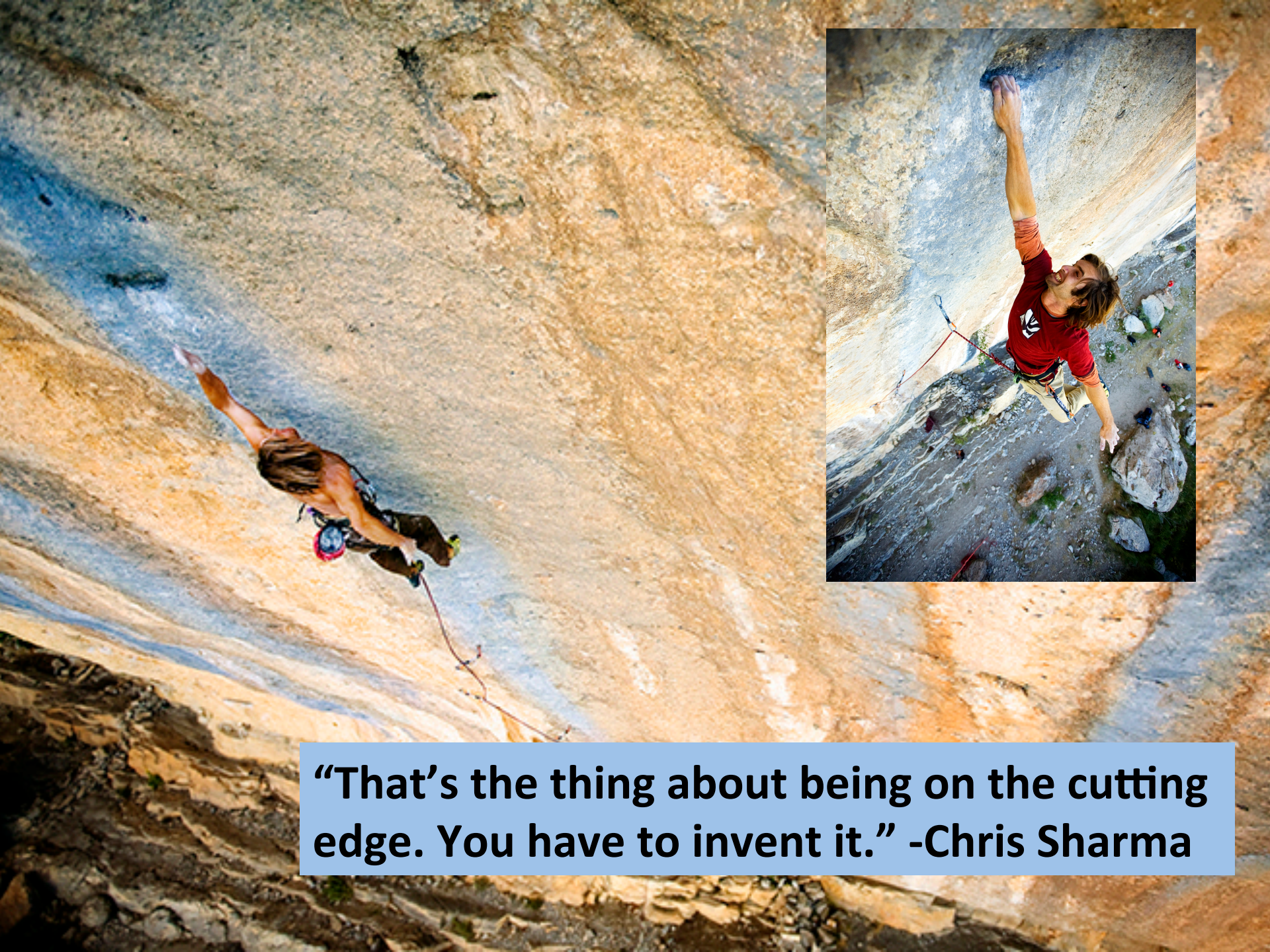


Bayesian comparison  
of point process models:

1. Primary process: regular, random (Poisson), or clustered
2. Secondary process:
  - (a) independent or dependent (from cluster to cluster) number of points.
  - (b) different distributions of number of points (within independent such numbers, say).
  - (c) clustering mechanism: Neyman-Scott, Bartlett-Lewis, generalized Thomas (multivariate normal with non-diagonal covariance matrix)
  - (d) different dispersion distributions (within a given mechanism)

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We need an example where BF can tell apart models that the classical methods cannot tell apart!



**“That’s the thing about being on the cutting edge. You have to invent it.” -Chris Sharma**



“Person X solved that in the early eighties...”

How?



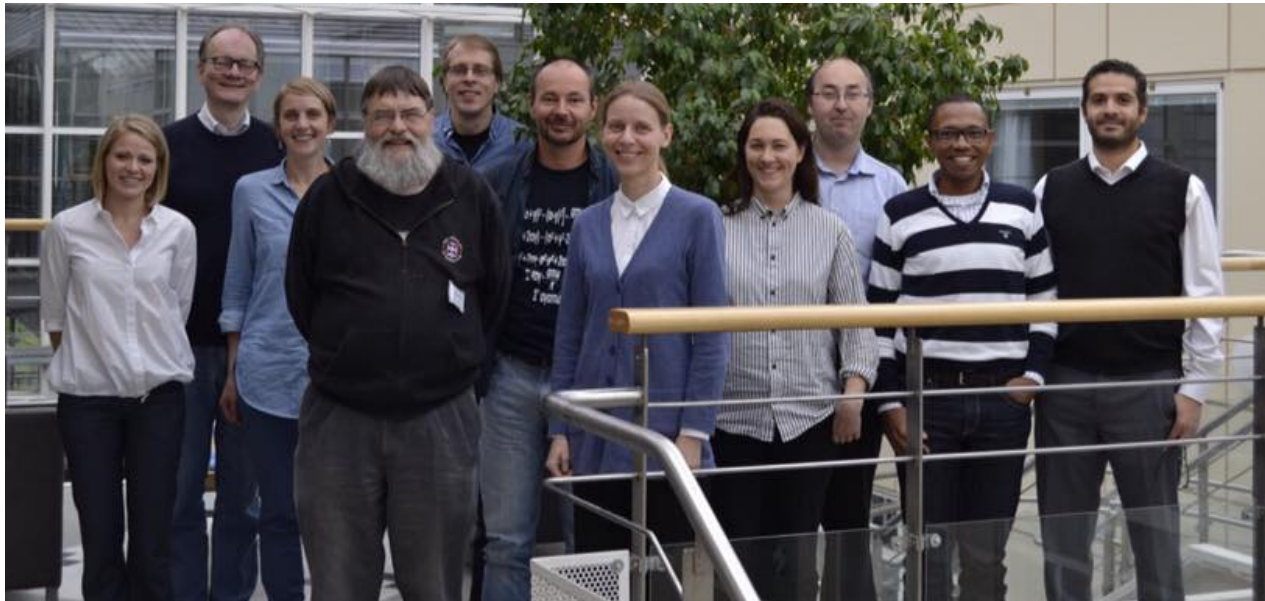


"Take a seemingly impossible goal, break it into pieces, and work on the pieces one by one. And don't think about the outcome." -Alex Honnold



"With success, you don't always know why you succeed, but when you fail, it's clear what you did wrong. Then you can make changes and learn." –Reinhold Messner





"Success is based on finding the right partners. A partner must be *willing* to do the climb. You don't necessarily need a friend, though that's preferred. You don't even need your partner to be of equal skill level. What's most important is mutual identification with the goal. If you take someone who is not willing to go, who is perhaps skeptical, the risk is very great because your responsibility is so great. The responsibility is imbalanced. Responsibility must be divided between you and your partner." -Reinhold Messner