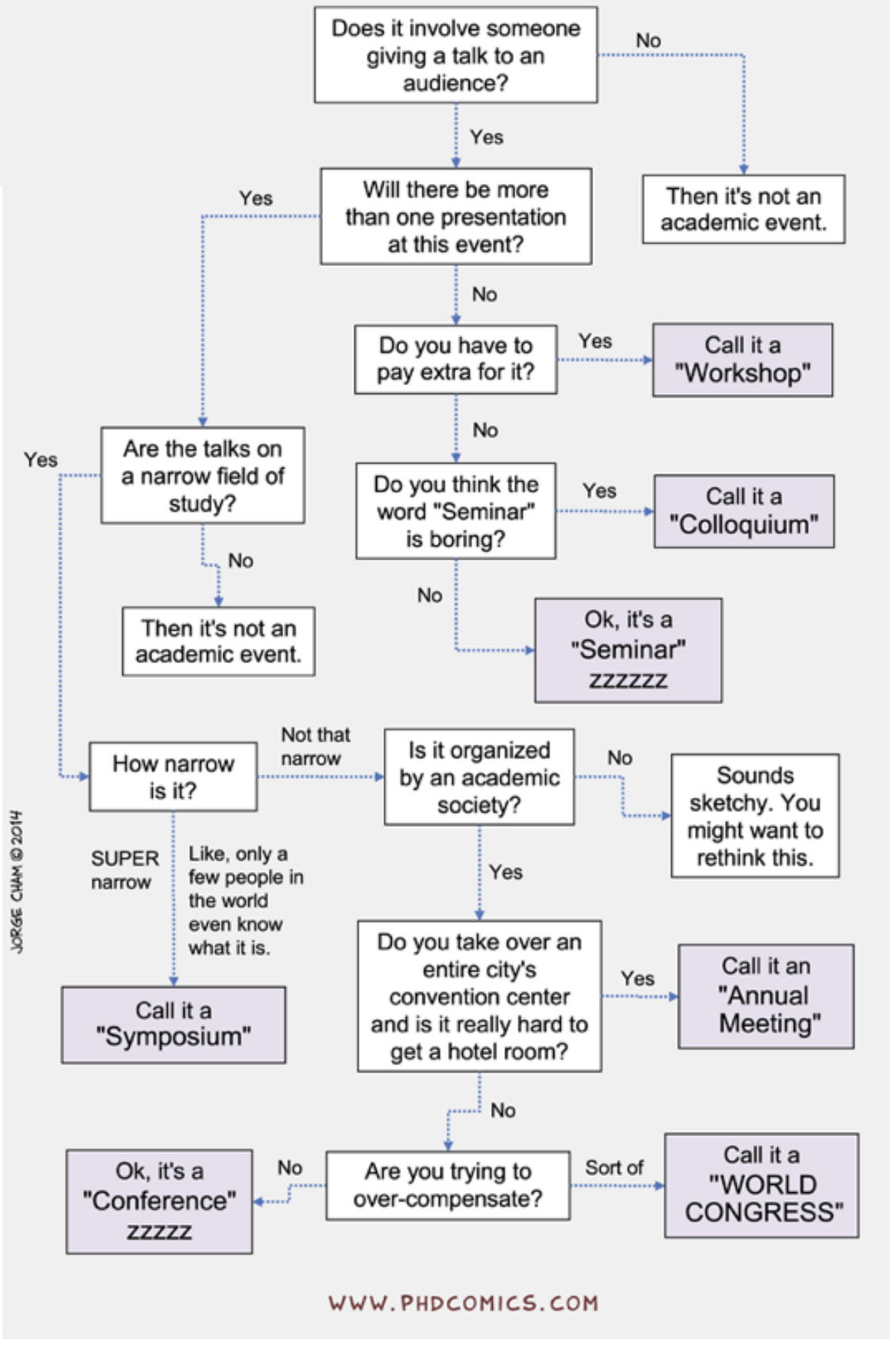
What to call your Academic Event:



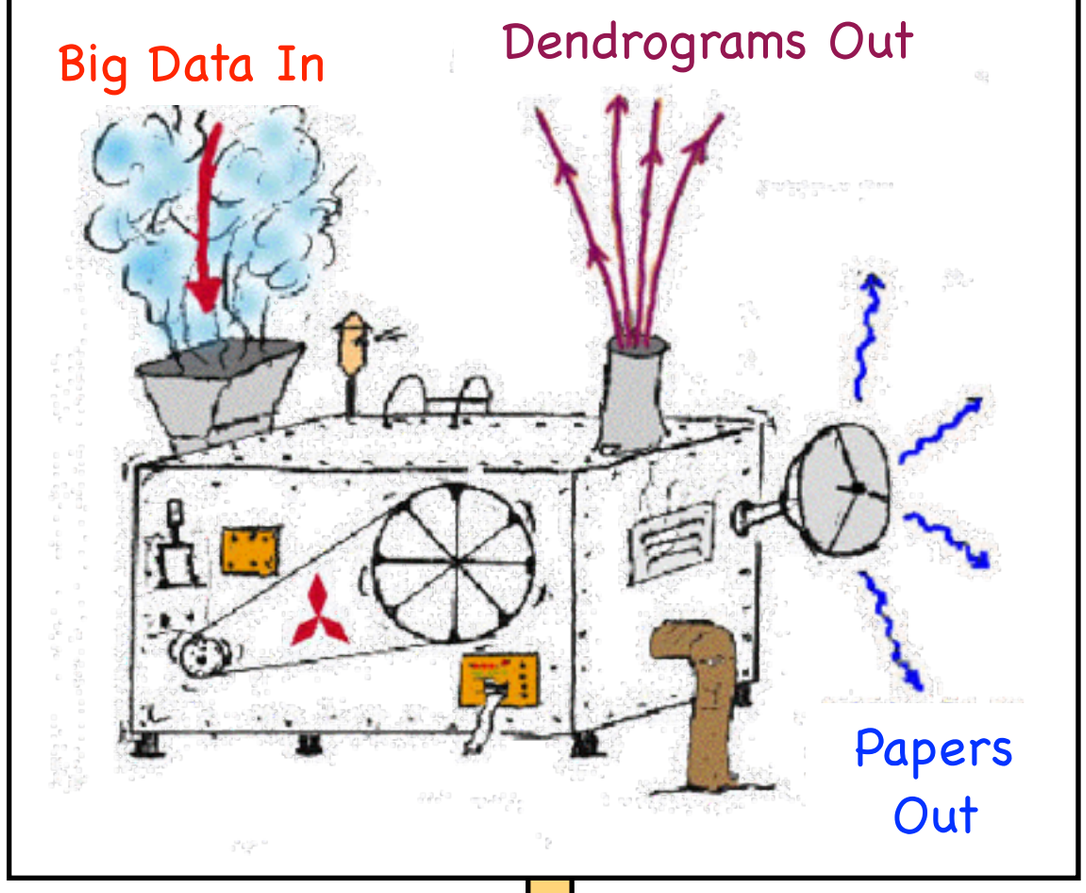
DATA

Sophisticated Physical Model

Simple Analytic Model

Bayesian Comparison of Data to Models

BIG DATA



Enlightenment

DATA

Sophisticated Physical Model

BIG DATA

Bayesian Comparison of Data to Models

Classification and Exploration Algorithms

Enlightenment

The Present...

1. What is the fundamental driver of the variability?
2. What produces the intrinsic X-ray spectrum?
3. How does accretion disk morph into BLR, then torus, then host? How is feedback transmitted outward?
4. What are the fundamental physical processes of launching a wind from the accretion disk?
5. What technology do we need to get more RM and dynamical BH masses for the same AGNs? How can we get to the low end of the BH mass function
6. What do we call an AGN? Adopt observational or physical definition?
7. What do we make of *speshul* objects, e.g. Cheshire Cats

Into the Future...

1. The time domain is crucial (gives us spatial resolution and depth), e.g. LSST, WISE

2. Better computing capabilities (more sophisticated models, larger volume of data).

3. The best angular resolution is available in the radio band. How will we exploit it?

4. Upcoming technology: IFUs and JWST. What are the most pressing problems they can solve?

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