Big Data: Hype or Opportunity?

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Big Data as Hype

- Teach SQL, call it “Big Data”
- Increase enrollment, admit students with zero IT experience
  - Get them to learn Python, probably R too
- Teach Big Data as a humanities subject
- Use the term “Big Data” when talking to the Dean
Big Data as Opportunity

- Get students in engineering, operations research, space science, physics, biomed to attend more CS courses
- New interdisciplinary programs in Data Science
- Reexamine past research results
  - High data density (etc) renders some past results obsolete
  - What previously appeared to be naïve may be not
  - Abandon the index + query paradigm
    - Light preprocessing can eschew need for index-building
    - Adaptive indexing, sampling
- Avoid reducing the term “Big Data” to meaninglessness
Thank you! Questions?