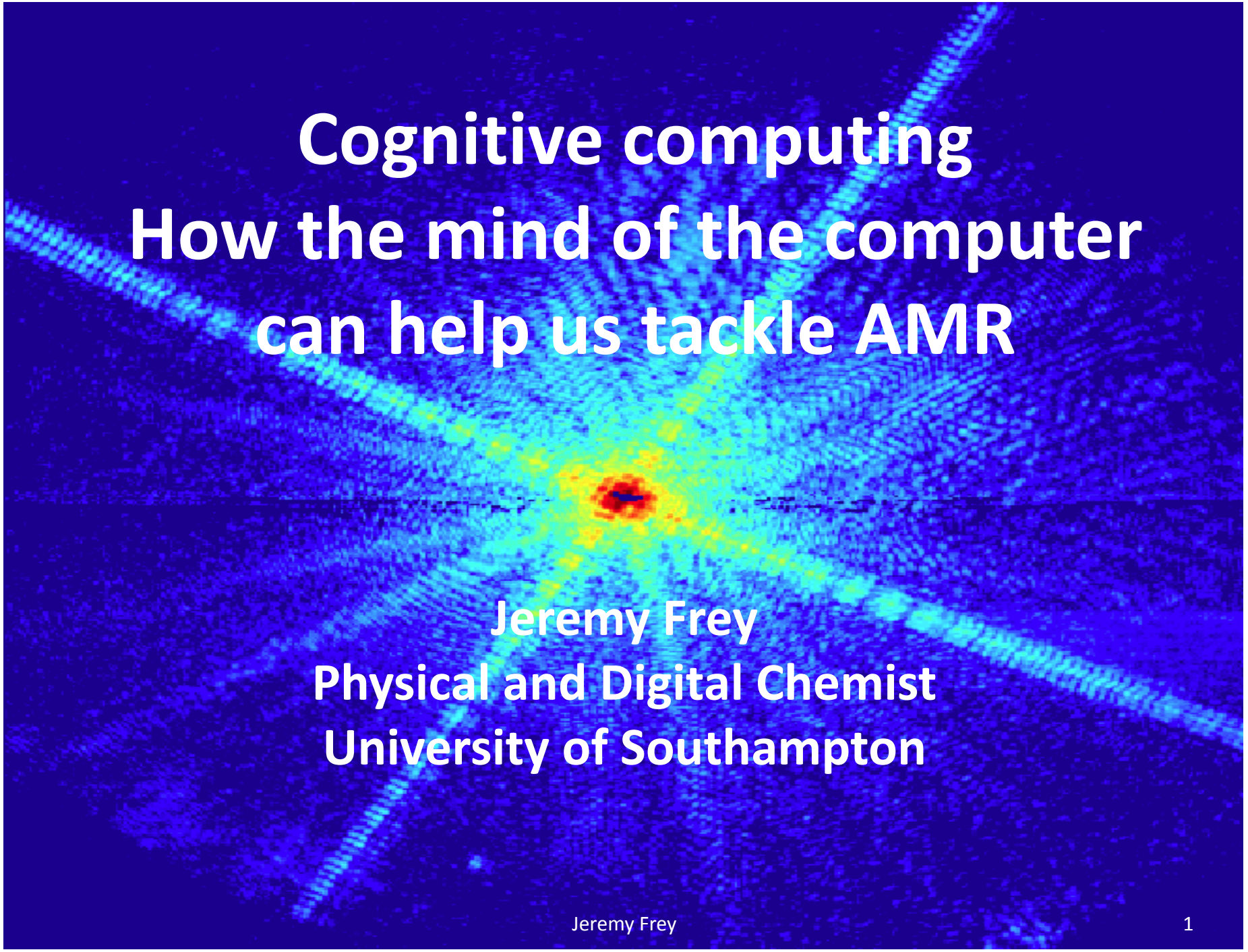
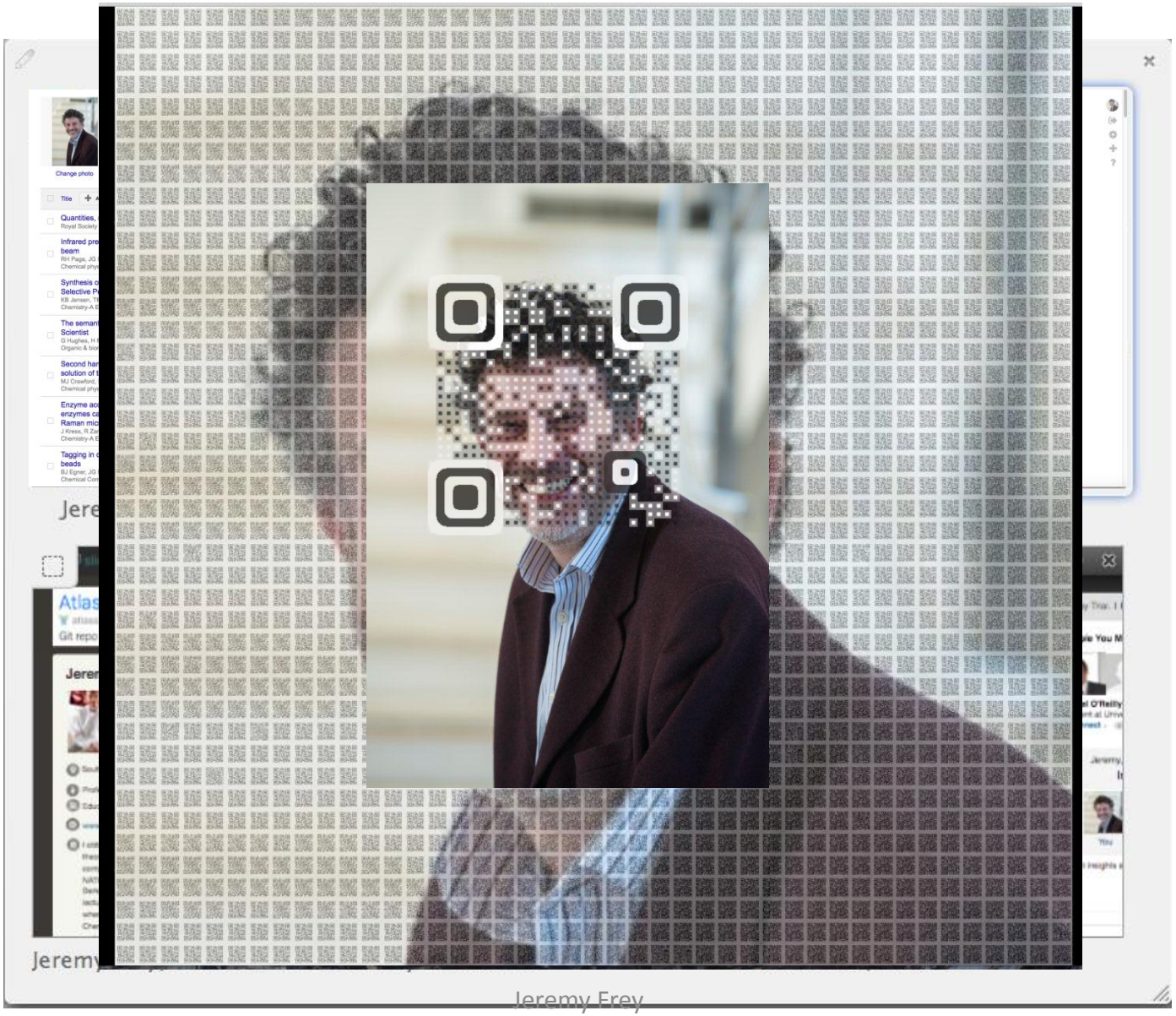


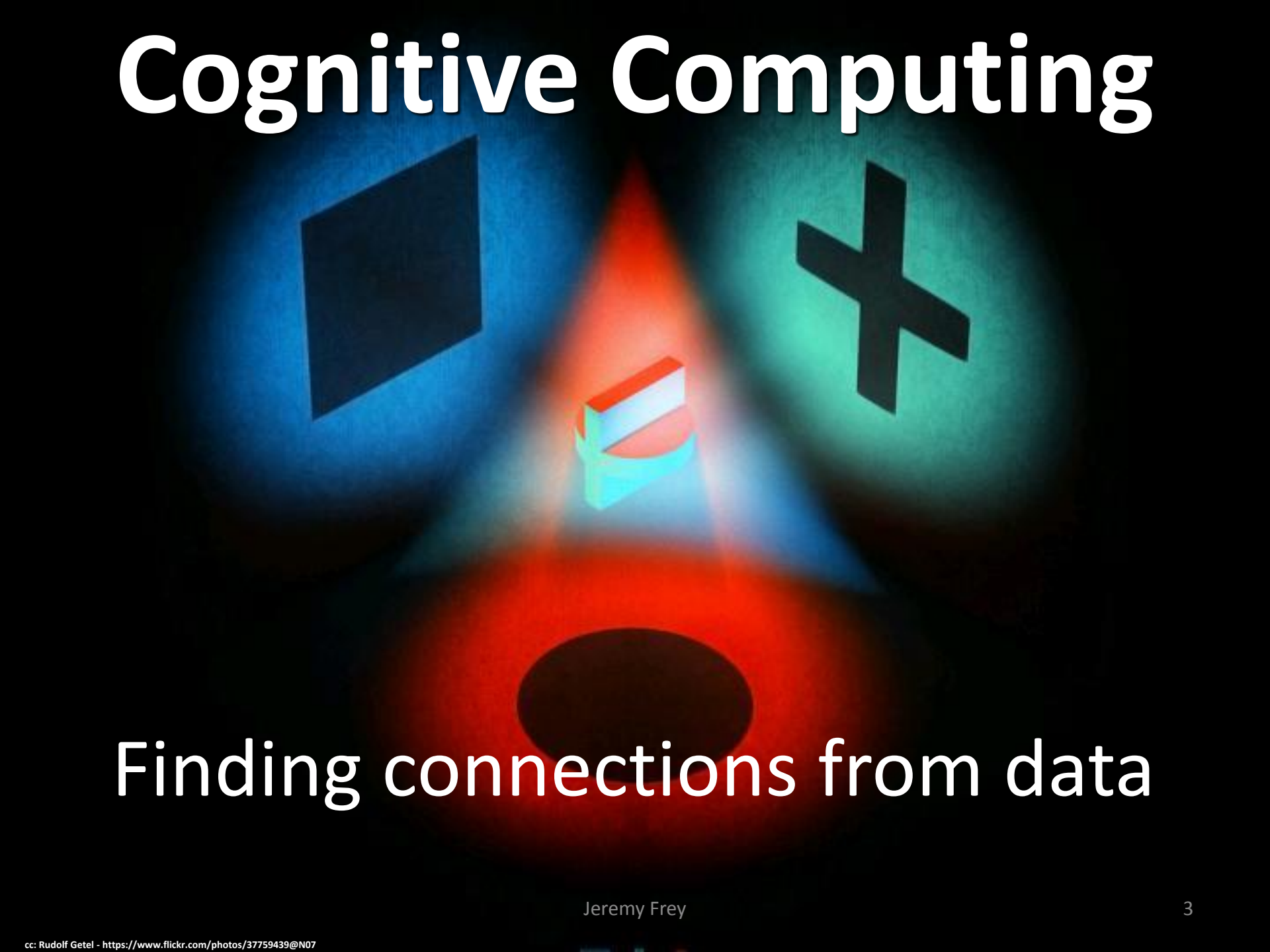
Cognitive computing
How the mind of the computer can help us tackle AMR

Jeremy Frey
Physical and Digital Chemist
University of Southampton

A Chemist’s Digital Aura

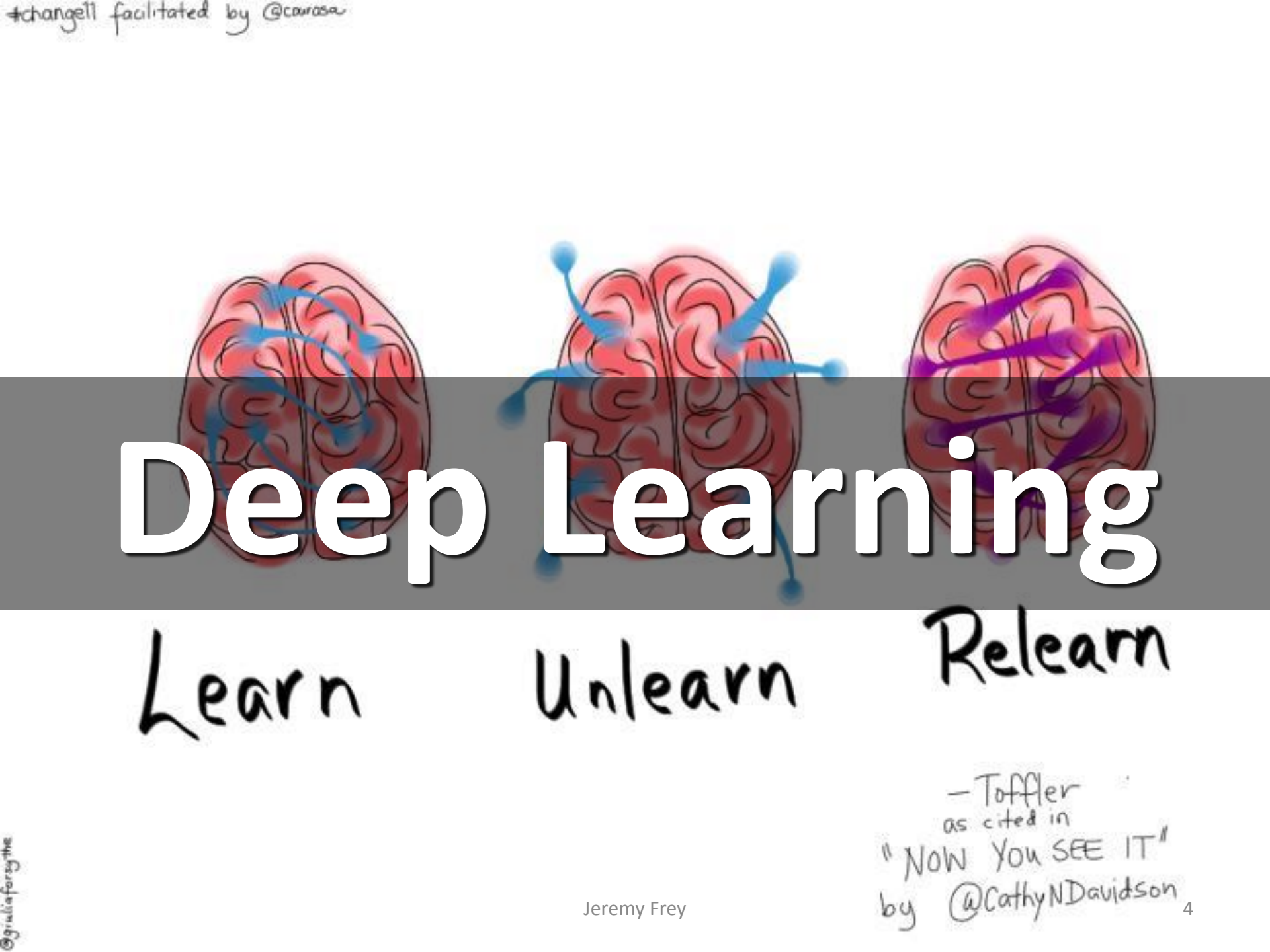


Cognitive Computing



Finding connections from data

#changell facilitated by @cavrosa



Deep Learning

Learn

Unlearn

Relearn

– Toffler
as cited in
"NOW YOU SEE IT"
by @CathyNDavidson

@giuliaforsythe

Great for us but why open source now?

ITS REALLY ALL ABOUT THE DATA!

Big Data

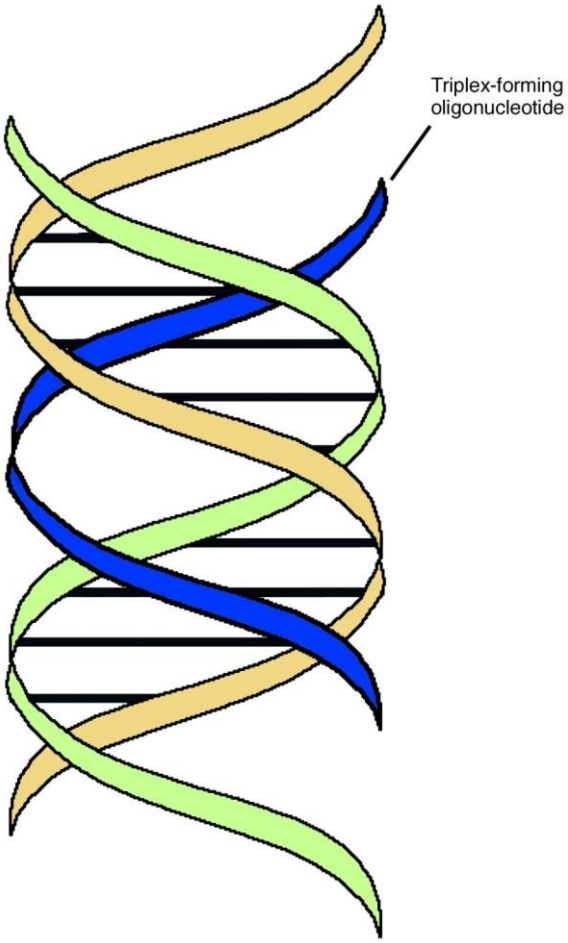
Data is the new Spice

Enrichment

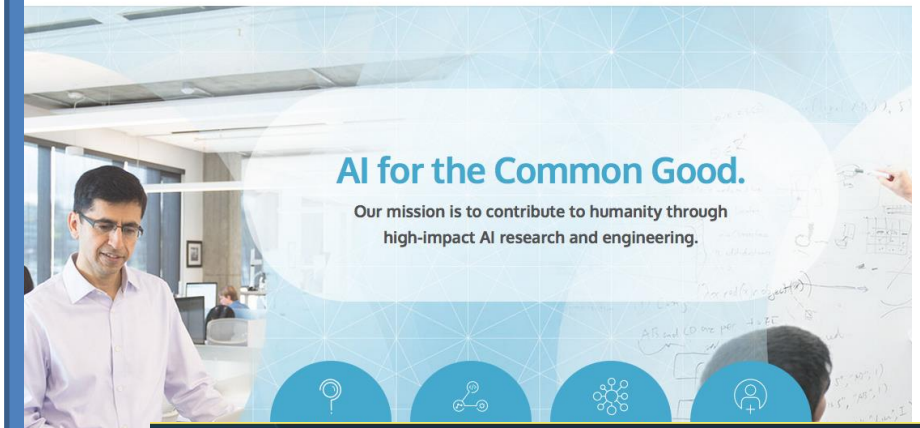
Information Integration

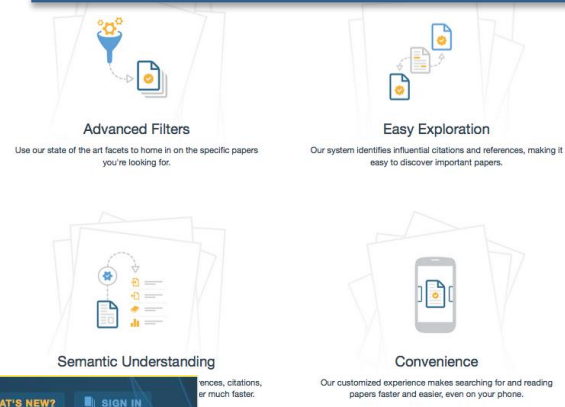
Guided Networking

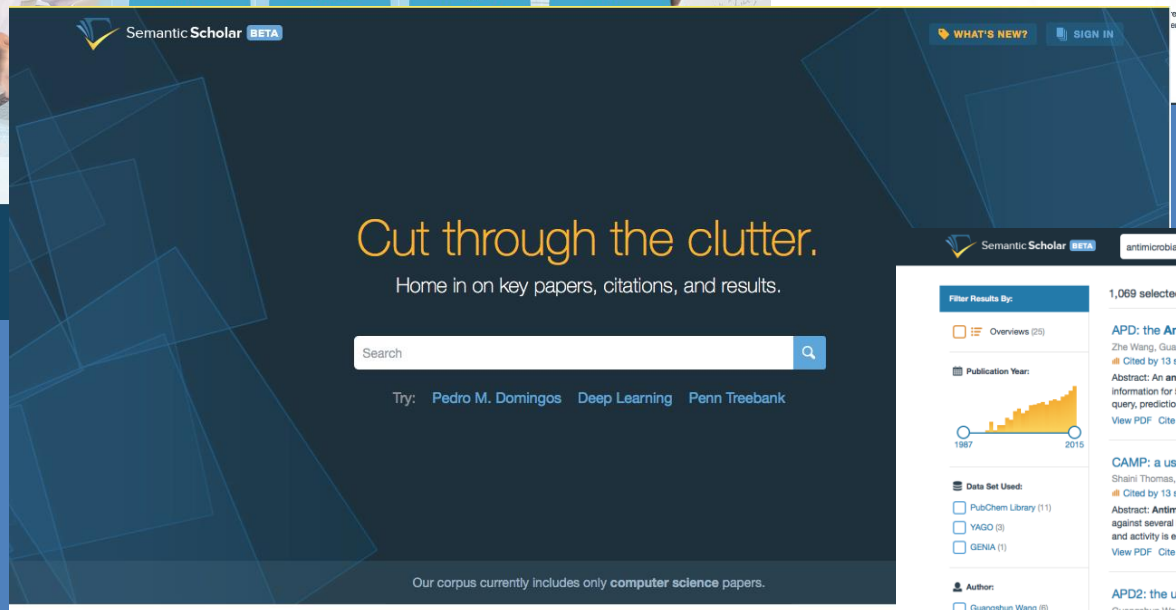
Producers & Consumers of Data & Information

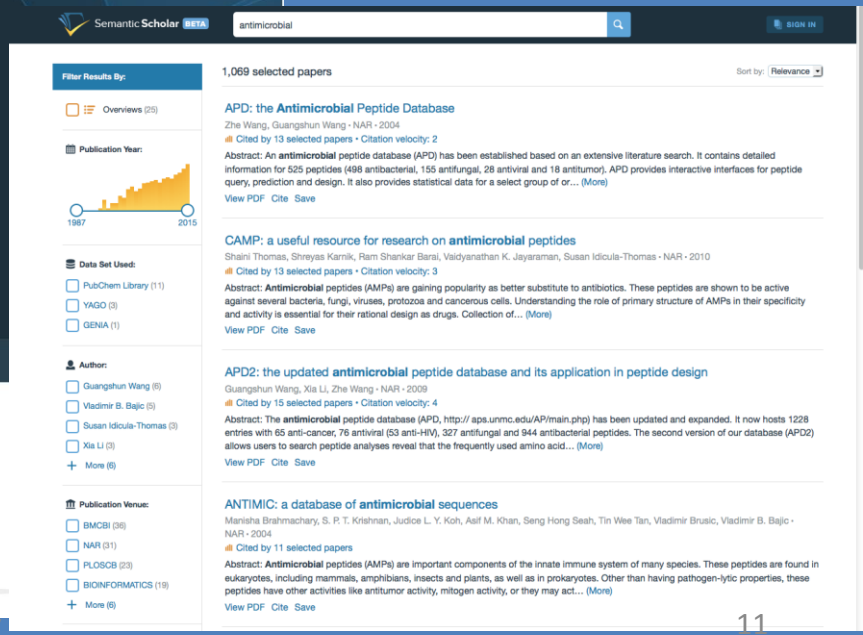


Semantic Scholar





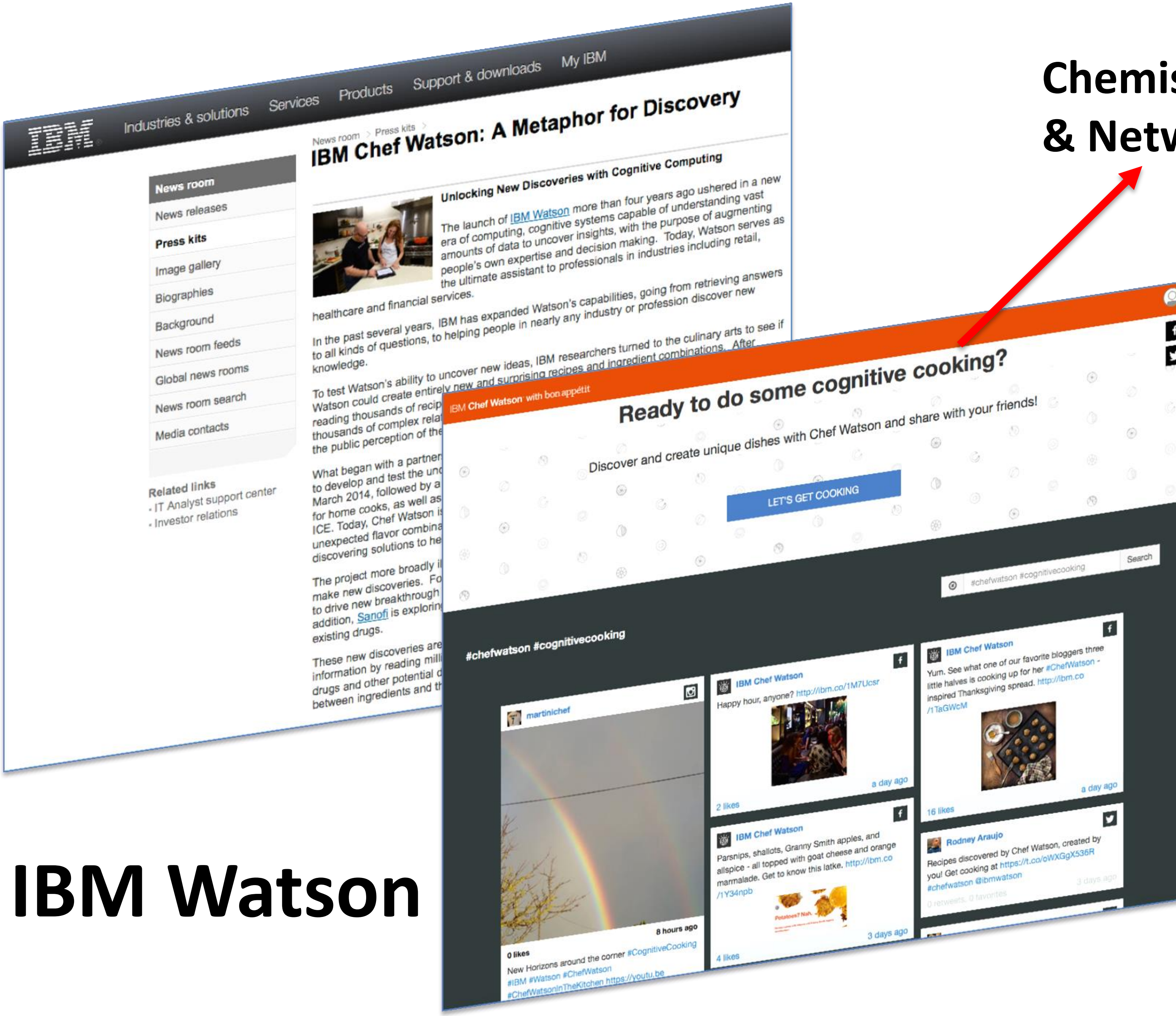




Why You'll Love Semantic Scholar

Finding Information

Chemistry
& Networking....



IBM Watson

Ontology

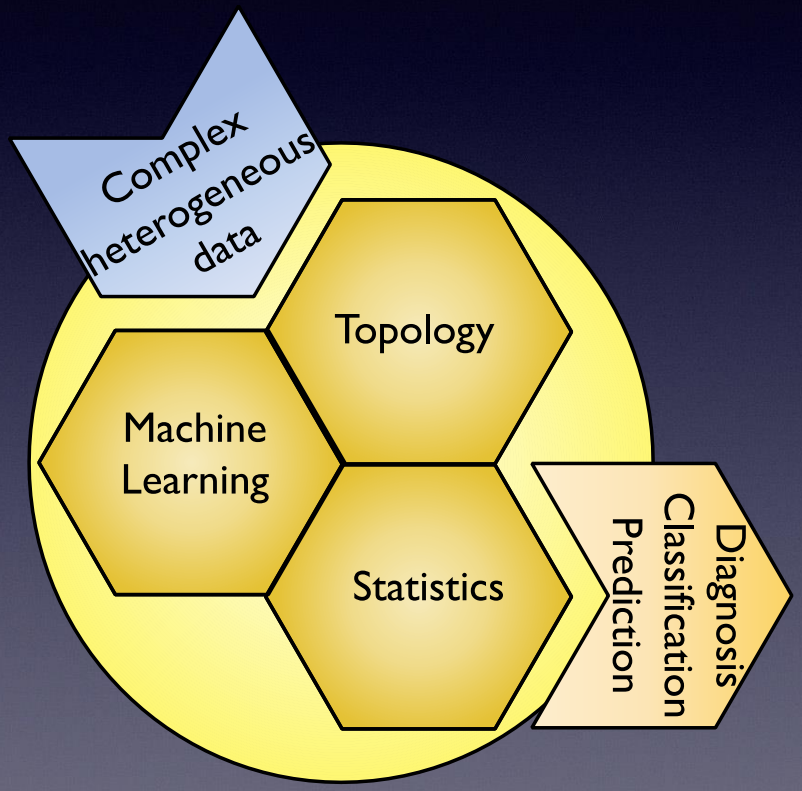
Joining the dots

How to find meaning in the deluge of data?

EPSRC-sponsored (£1.5M) interdisciplinary programme

Builds on a substantial work to create cross-disciplinary collaborations

A great example of IfLS unifying philosophy



Thank you for listening

Trust me Mort - no electronic communications superhighway, no matter how vast and sophisticated, will ever replace the art of the schmooze