Microsoft Research Faculty Summit 2014

15TH ANNUAL

Microsoft Research
Faculty Summit
2014 15TH ANNUAL

Science in the Cloud

Session Chair

Dennis Gannon, MSR

Microsoft

Session Schedule

Hyunju Lee, Gwangju Institute of Science and Technology, Korea

Disease gene search engine (DigSee): Text mining for identifying disease-gene-biological events relationships

Parker MacCready, University of Washington, USA

Ocean Modeling: Using the Cloud to Connect Science and the Public

Yan Xu, Beihang University, China

large-scale histopathology image analysis for colon cancer on Azure

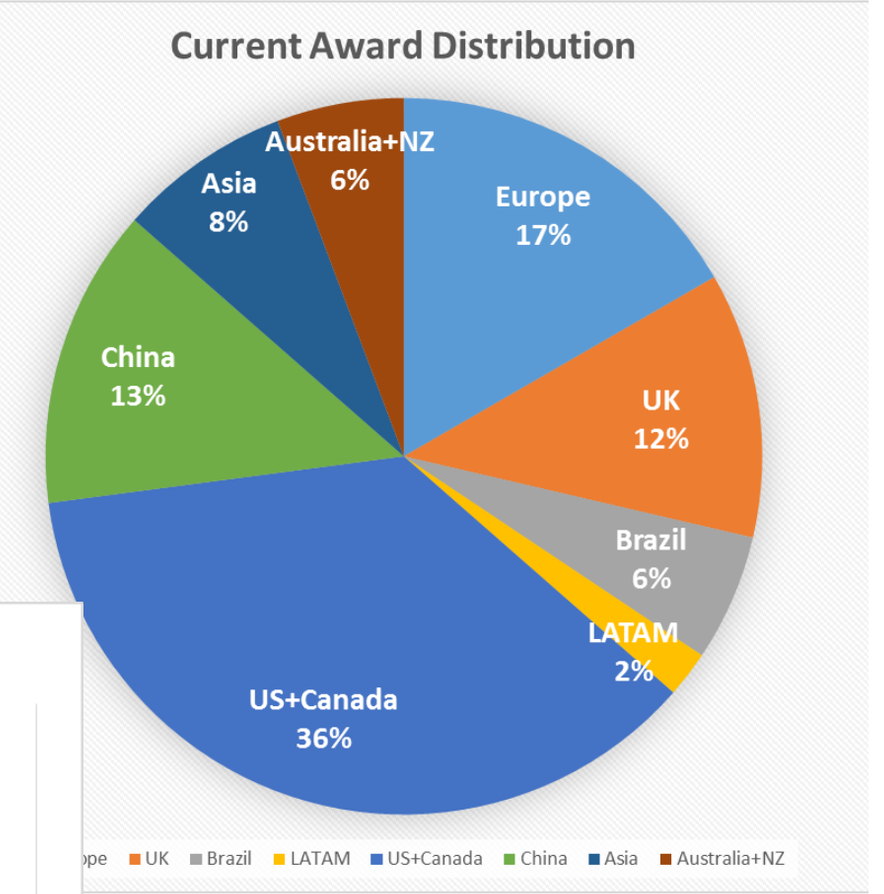
Chunmiao Zheng, Peking University, China

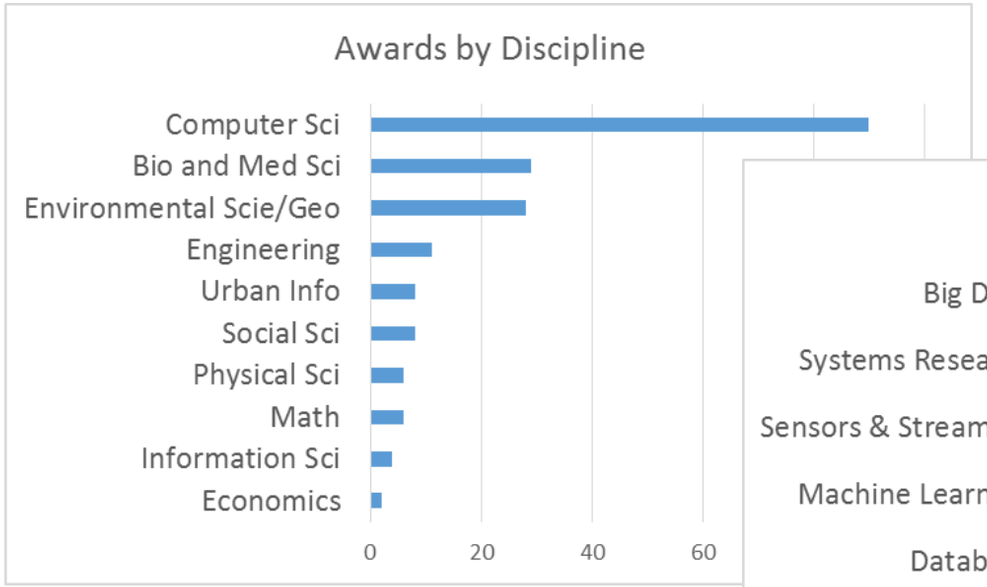
Numerical Modeling of Ecohydrological Processes and Contaminant Transport Using Microsoft Azure Cloud

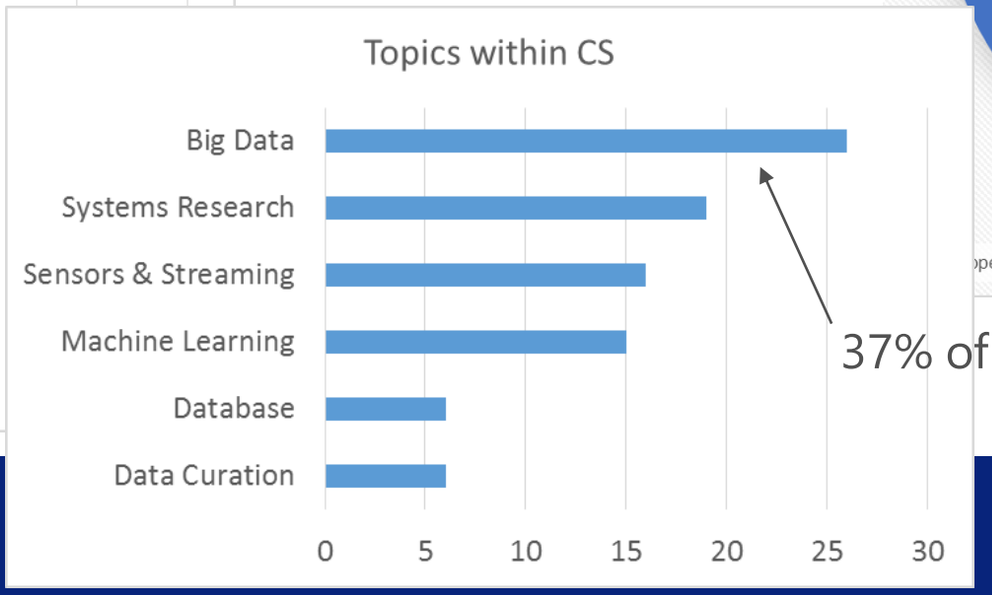
- Free Access to Microsoft Azure for one year
  - 280,000 hours of compute time, 15TBytes cloud storage.
    - Hadoop, Windows and Linux VMs
  - Submit proposals to http://azure4research.com
- Special RFPs including
  - Climate Data Initiative, Azure Machine Learning (new!)

Azure for Research Awards

- Currently 186 Awards in 29 Countries
  - Awards made 6 times a year
  - Over 390 applications so far
  - Plus 210 new proposals from the June 15 deadline.







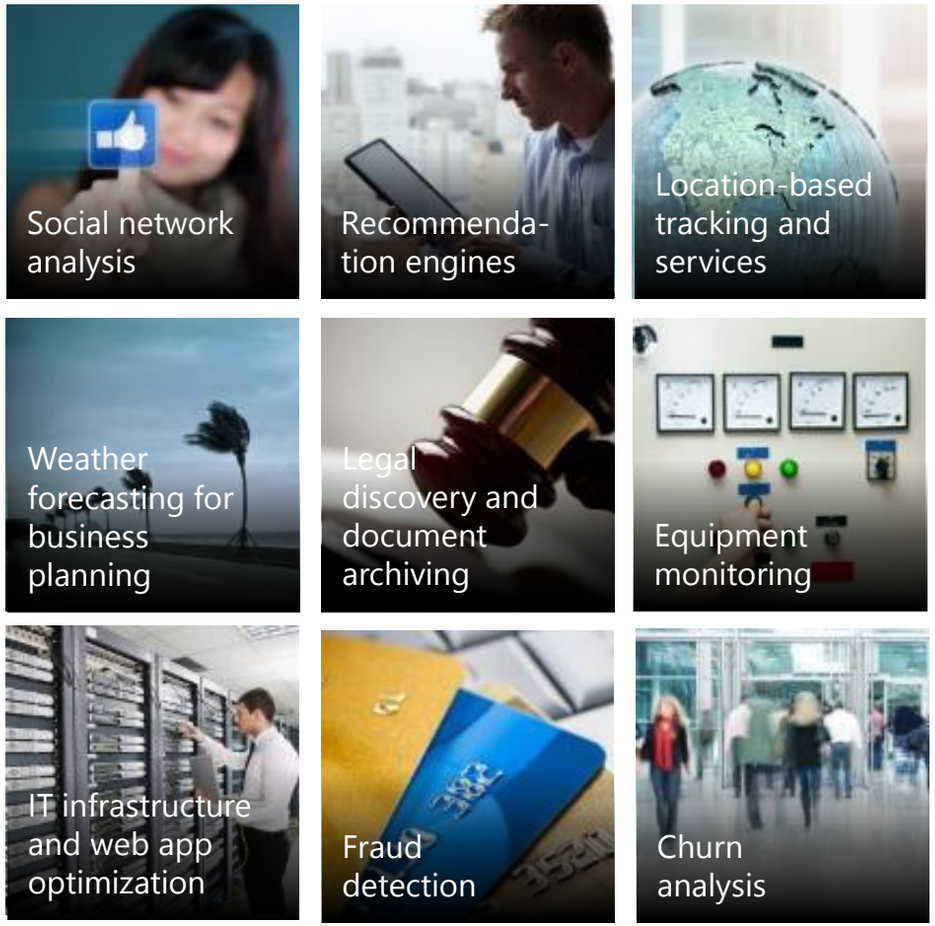
37% of these are genomics

Introducing Azure Machine Learning special RFP

Machine learning with the simplicity and power of the cloud

Capabilities

- Visually compose machine learning experiments
- Rich collection of machine learning algorithms, with support for R;
- Support for collaboration, build and share data and experiments with anyone, anywhere;
- Immediately deploy a predictive model as a machine learning web service on the cloud;



Now available for academic community

- Data science instructional awards
  - Data storage and capacity for your entire class
- Shared workspaces for research collaborations

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Save the planet and return
your name badge before you
leave (on Tuesday)