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Data Science: A lifecycle perspective

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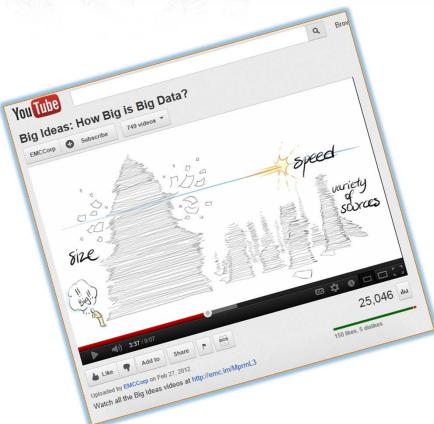
Agenda

- Data science and big data
- Perspectives
- Our view and approach
- Recent products of iSchool
- Discussion

What is data science?



As the world's data grow in variety, volume and velocity, organizations and professionals need to become equipped to handle such complex data, commonly known as big data.



Big Ideas: How Big is Big Data?



Data science perspectives

- Analytics-centricLifecycle view

The analytics-centric perspective



 Data-driven / evidencebased decision making

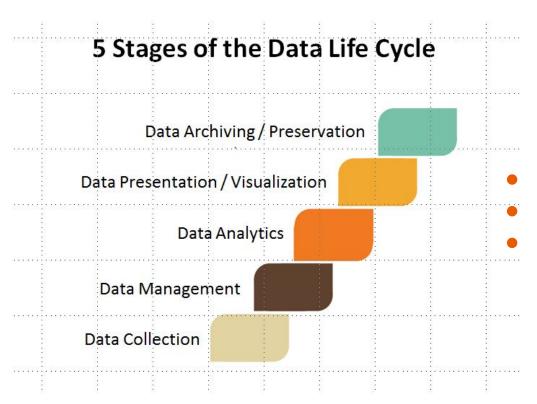
The lifecycle view



Taking analytics beyond its own hype

- Analytics is one component
- Interconnected stages
- Dynamic, ever-changing

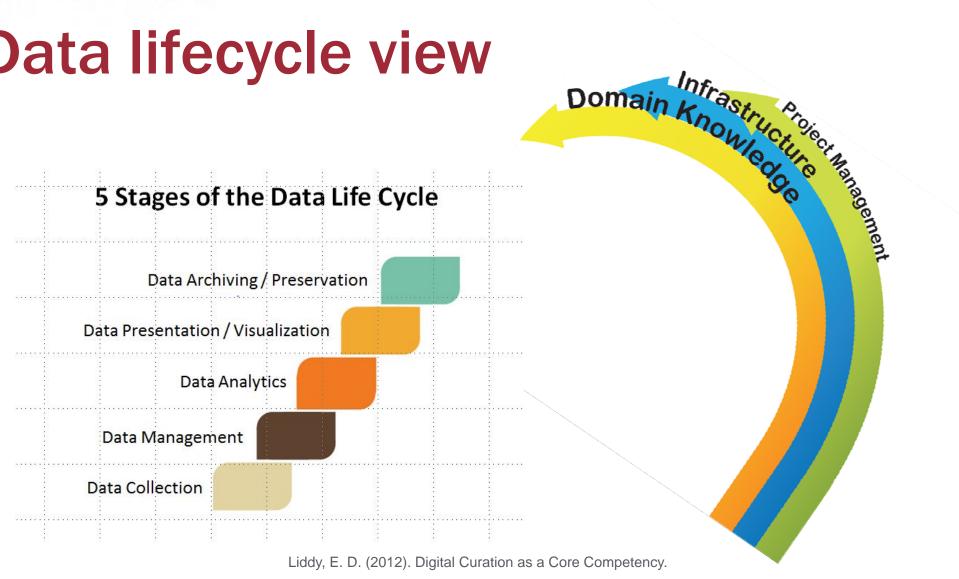
Our view and approach



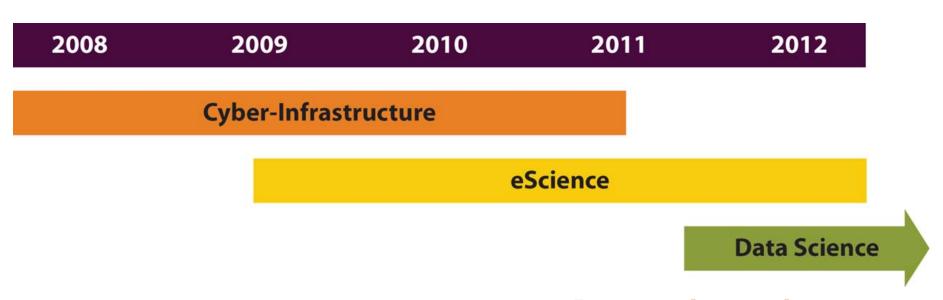
Data lifecycle
iSchool at Syracuse University
Certificate of Advanced Study (CAS) in Data Science

Liddy, E. D. (2012). Digital Curation as a Core Competency.

Data lifecycle view



The evolution of this lifecycle view



- Data science is new
- Data science is not new

Liddy, E. D. (2012). Digital Curation as a Core Competency.

The iSchool

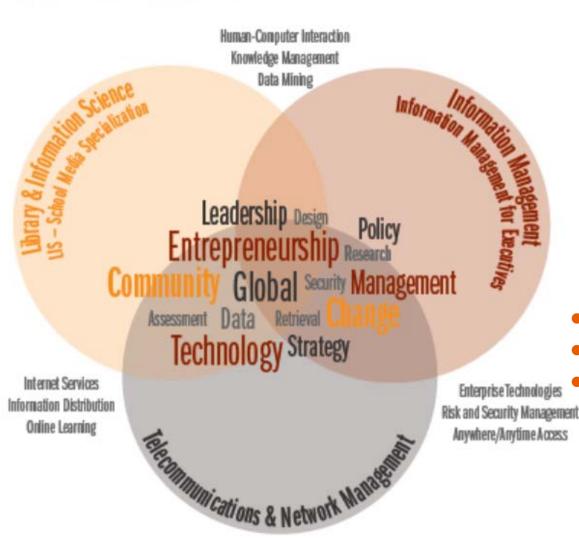
Technical positions





Entry level

Executive positions



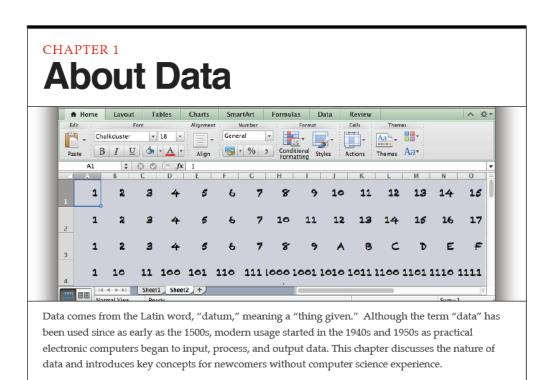
CAS in Data Science at SU

- Faculty of one
 - Foundation in librarianship Technological component

Open source eBook



- A true introduction
- Ready for your contribution



Scholarship-eligible program

Syracuse iSchool Introduces New Scholarship Program to Increase the Upstate Information Technology Talent Pool











During these difficult economic times, several Upstate New York companies and organizations find

The Syracuse U void and strengt the iSchool will I who are newly

Syracuse iSchool continues Upstate IT Scholarship program

to increase IT talent pool

Companies across the United St professionals to fill information to device production and software

Between 2007 and 2009, New produced digital or electronic de same time frame in the 12-cour increased by 13.7 percent and 9

iSchool Invests \$1.3 Million in Upstate IT Scholarships



(315) 443-8975

Almost like an angel investor, the School of Information Studies (iSchool) at Syracuse University made a decision in 2009 to fund a stake in the future careers of Upstate New York residents looking to enhance and retool their information skills

The School created a 50% tuition scholarship, and has since provided

\$1.377 million worth of funding for 105 permanent Upstate residents to pursue graduate education in the information field. Now, the iSchool program is expanding upon its initial success. Two new degree areas, graduate certificates in social media and data science, are being added for the 2012-2013 year, and the iSchool has committed to fund all recipients for the entire course of their studie

Select local scholars

Significant tuition scholarship (50%)





Thank you!

ischool.syr.edu/datascience

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