TDWI WEBINAR SERIES

How the Right BI Can Fundamentally Change Your Organization

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Sponsor



Speakers



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Agenda

- Trends in data access and self-service
- Twilio case study
- Round table discussion
- Audience Q&A



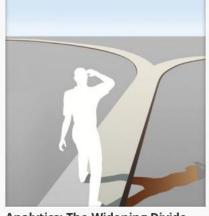
Analytics Drive Value

MIT SMR's Annual Reports on Analytics



From Value to Vision: Reimagining the Possible with Data Analytics

DAVID KIRON et al.



Analytics: The Widening Divide

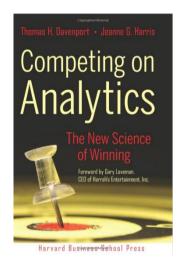
DAVID KIRON et al.

The second annual report by MIT Sloan

Management Review and the IBM Institute for



Analytics: The New Path to Value
STEVE LAVALLE et al.
A global survey by MIT Sloan Management
Review and the IBM Institute for Business



Strength in Numbers: How Does Data-Driven Decisionmaking Affect Firm Performance?

Erik Brynjolfsson

Massachusetts Institute of Technology (MIT) - Sloan School of Management; National Bureau of Economic Research (NBER)

Lorin M. Hitt

University of Pennsylvania - Operations & Information Management Department

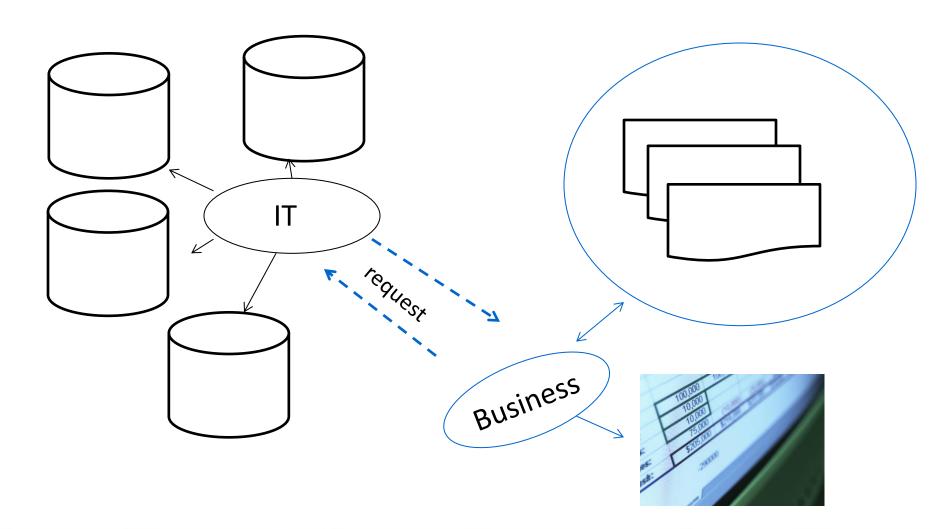
Heekyung Hellen Kim

MIT - Sloan School of Management

April 22, 2011



The situation in many businesses.....



What is self-service BI?

Self-service BI allows users to access and analyze data with less dependence on IT

Business

Part of democratization trend

- Ease of use
- The emergence of the business analyst as the user and even model builder
- Data access and preparation
- Analytic platforms



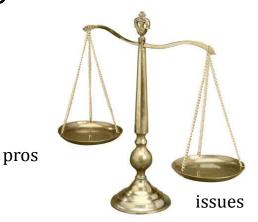
Benefits and issues of self-service BI

Benefits

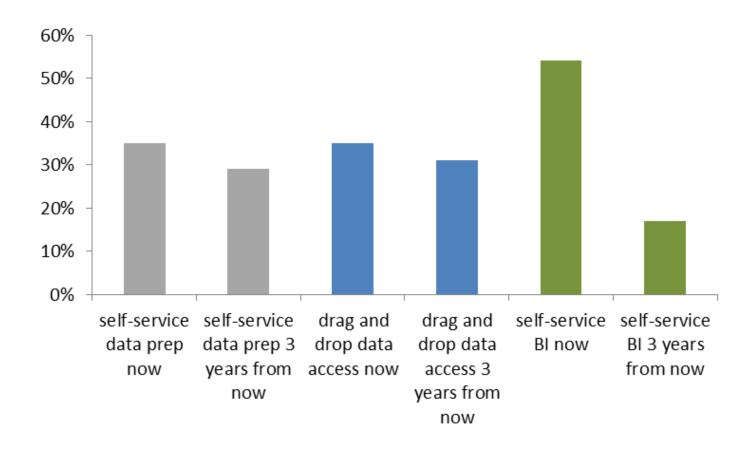
- Streamlines processes
- Makes business and IT more productive
- Opens up analytics to more users
- Organization becomes more data-driven

Issues

- Data management
- Governance
- Shadow IT
- Training



Self-service BI status



(source: TDWI,2015 ETM BPR, subject to change, n=234)



Organizations want self-service

- Self-service data "discovery" is very important to many organizations
- Some organizations are even planning selfservice data access on platforms like Hadoop



loöker A better way to explore *complex* data



An analytics app server that doesn't move your data



Agile data modeling; Transform Data at Ouerv



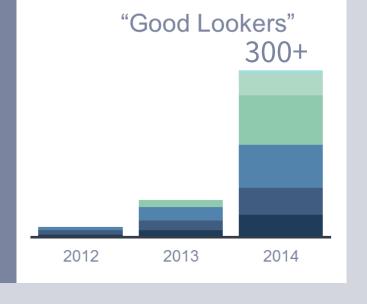
A single set of data and definitions



Hosted onpremise or in the cloud



"We found that we'd add a lot more value back to the organization if we gave it to everyone."



SONY



WARBY PARKER

Etsy

venmo

GILT





AVANT CREDIT



















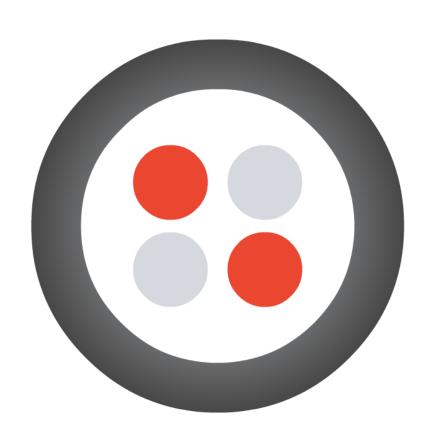






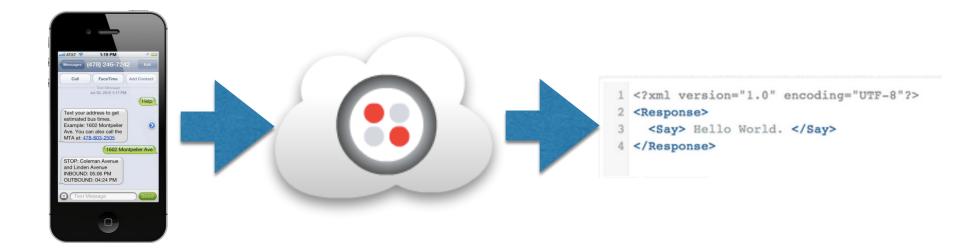
Additional Questions?

www.looker.com zach@looker.com



Twilio provides a communications API that enables phones, messaging, and VoIP to be embedded into web, desktop, and mobile software.

what is twilio?



Developer purchases phone number

Calls and messages are routed into Twilio

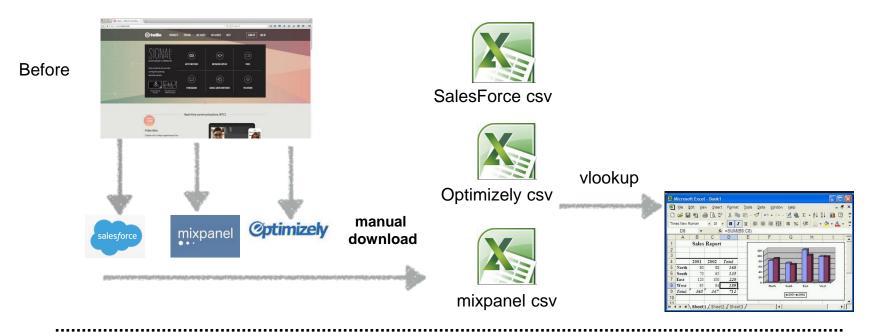
Developer's appresponds

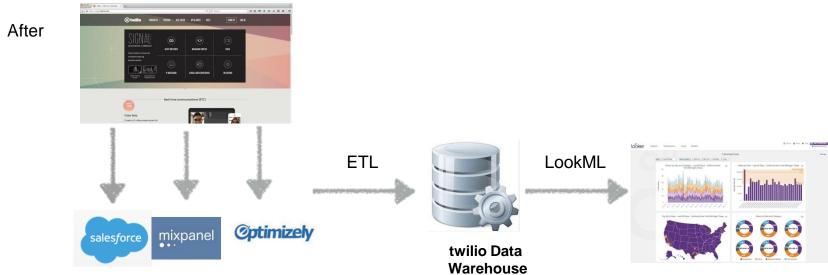
data use at twilio

- Incredibly rich dataset
 - calls / messages / communications!
 - lots of different dimensions
- Data needs diverse across the company
 - financial reporting
 - engineering performance, reliability, quality
 - carrier analysis
 - marketing, sales, product, etc.

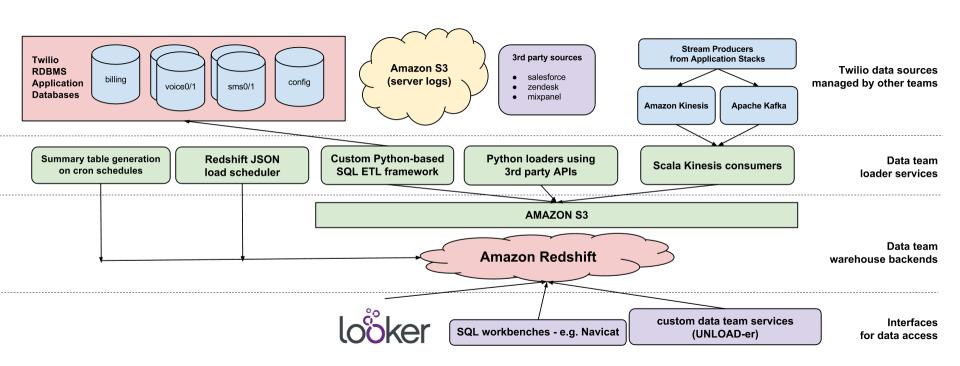
evolution

- 0 data need determined, engineer writes query and web interface (slow turnaround)
- 1 data shipped to 3rd party vendors promising one stop reporting and insights (inflexible tool)
- 2 data generally available in s3 / sql data warehouse (good if you know what you're querying)
- 3 modeling layer to reuse logic on underlying data





current day arch



Roundtable Discussion



- What are some of the challenges organizations have with data access?
- What can they do about it?



 How can data teams efficiently support an organization's data needs to remove bottlenecks?



- Is it hard to learn self-service BI?
- What are some best practices for getting past the organizational hurdles with self-service BI? These organizational hurdles might include getting executive buy-in, building a data-driven culture, building any skills needed, etc.

 How important is speed and flexibility in analyzing and accessing data?



- How can teams balance agility with maintaining centralized curation and governance of the data?
- How do you prevent shadow IT from popping up and losing any kind of governance?



Audience Questions?



Contact Information

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