

Power Your Processes with Web-based Data Analysis

Smita Skrivanek
MoreSteam.com
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MBB Webcast Series

Agenda



- Welcome
- Introduction of MBB Webcast Series
 - Ellen Milnes, MoreSteam.com
- Today's Session
 - Smita Skrivanek, MoreSteam.com
- Open Discussion and Questions



MoreSteam.com

- Founded in 2000
- Trained **400,000** Lean Six Sigma professionals
- Served over 2,000 corporate customers (including **50+% of the F500**)
- First firm to offer the complete Black Belt curriculum online
- Courses reviewed and approved by **ASQ** and **PMI**
- Academic Partnerships with **Ohio State University**, **Cal Poly** and **George Washington University**

Select Customers:



Today's Presenter



Smita Skrivanek

EngineRoom Product Manager, MoreSteam.com

- *Heads research & development for EngineRoom® software*
- *Develops content & software functions, reviews projects, and assists students with questions on advanced statistics*
- *Masters in Applied Statistics from The Ohio State University and an MBA from Indiana University Kelley School of Business*

The issue for today

We are stuck with technology when what we really want is just stuff that works.

- Douglas Adams, *The Salmon of Doubt* (2002)

In this session...

- Mobility trends in the business workplace
- A brief overview of the current landscape for web-based analytics applications and tools
- An introduction to EngineRoom, MoreSteam's web-based statistical data analysis application



Trends in the business workplace

- The case
- What's out there
- Introduction to EngineRoom



64% of firms in Europe and North America identify providing **more mobility support for employees as a top priority.**

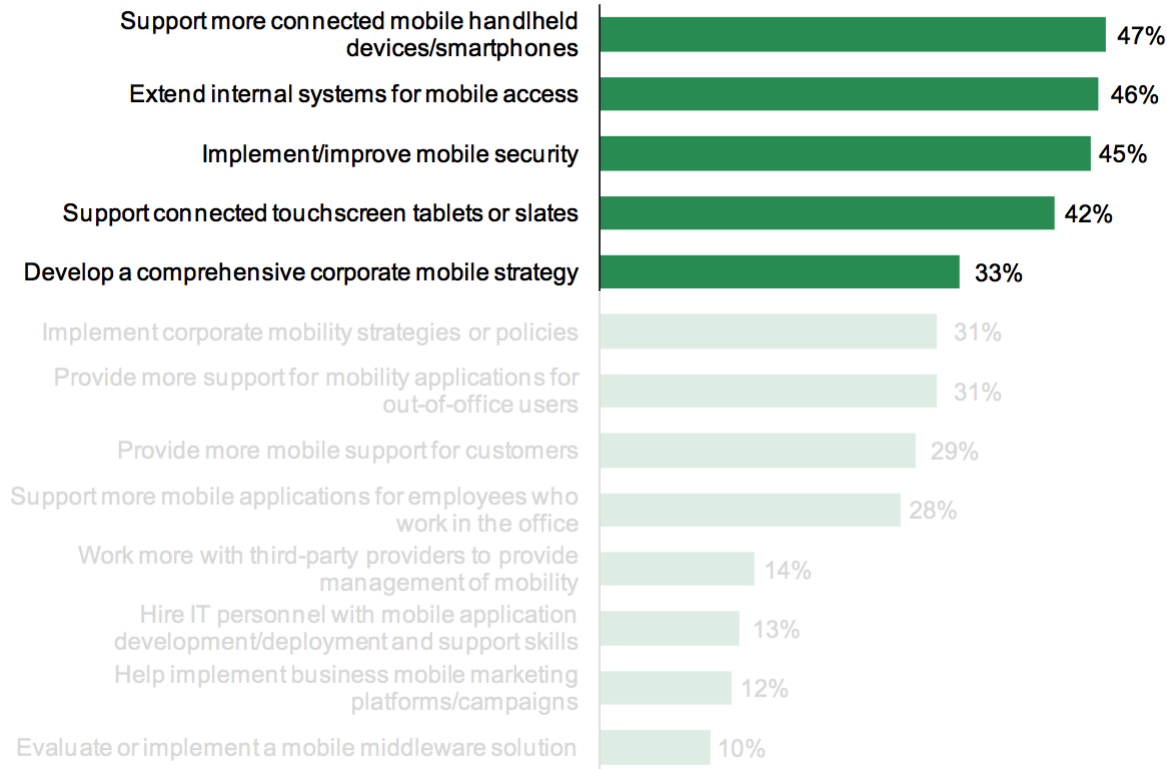
- Forrsights Networks And Telecommunications Survey, Q1 2011

Trends in the business workplace

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Key Mobile Priorities Include Providing Employees With More Device, Application, And Development Support

"What are your firm's top mobile priorities during the next 12 months?"

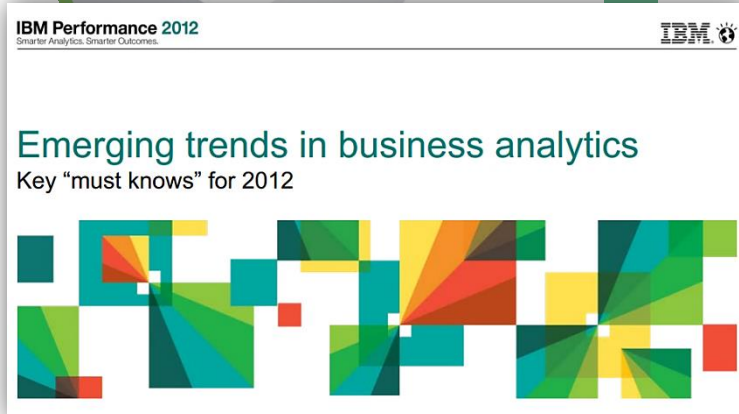
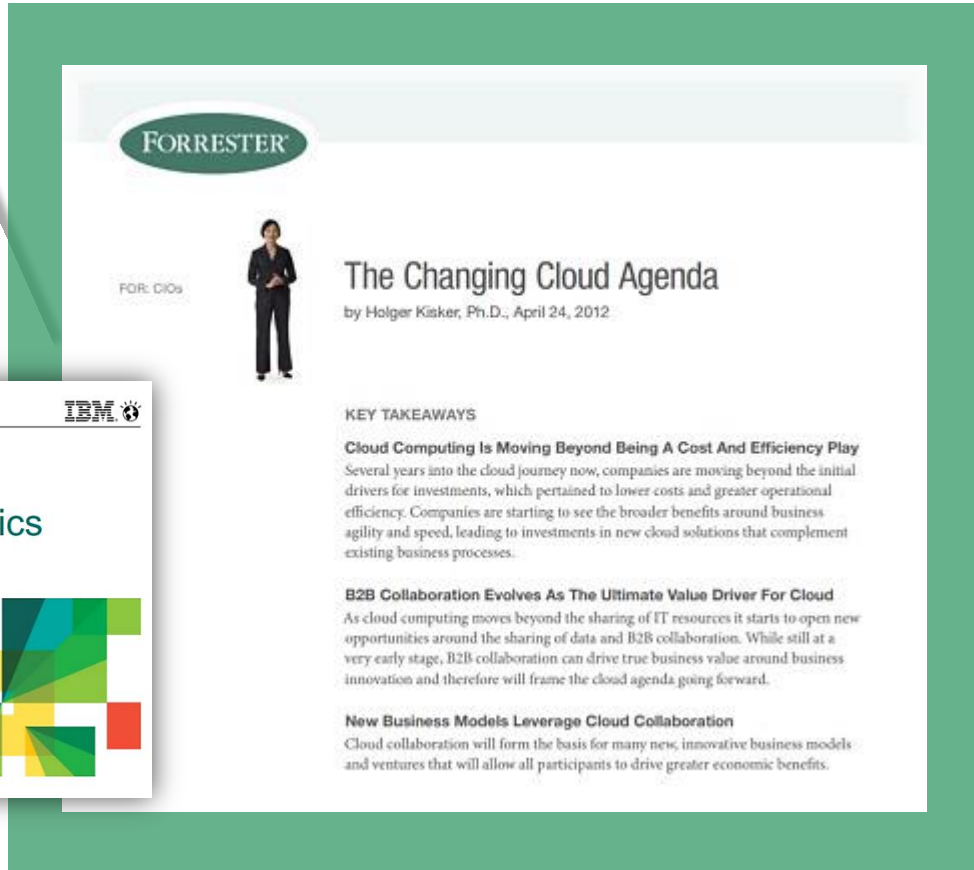


Base: 148 respondents from companies with between 100 and 1,500 employees in Europe and North America

Source: Forrester Networks And Telecommunications Survey, Q1 2011

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Implications of the mobility trend

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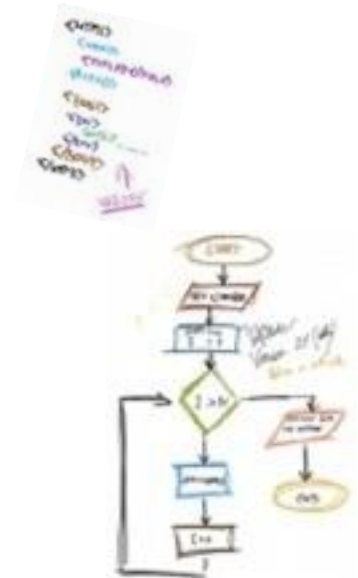
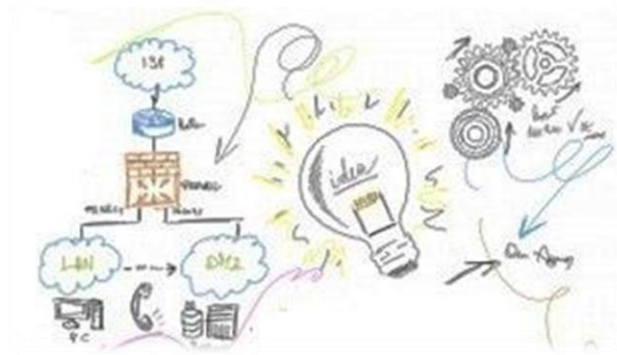
- Increased **mobile** device/tablet/slate use
- **Diversity** of operating systems
- High **speed**, **collaborative** environment
- **Access** to data, results – 24/7, on the go
- More **efficient** – project files, data, resources, all in one place



Why web-based data analysis?

- The case
- What's out there
- Introduction to EngineRoom

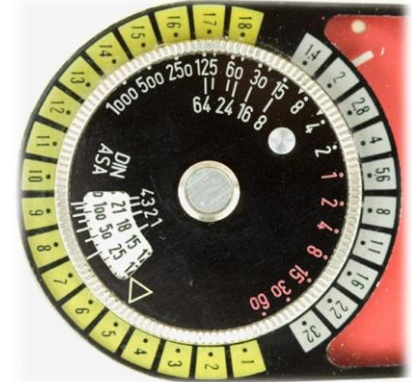
- No more **installation** issues on hard drives
- No more pushing out **updates** companywide
- Enhanced application **availability**
- Increase IT **flexibility** and business **agility**



What are the (perceived) risks?

- The case
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- Security issues
- Compliance issues
- Storage limitations
- Lack of control, customization
- Want to get more mileage out of existing hardware/software investments



The current landscape

- The case
- What's out there
- Introduction to EngineRoom

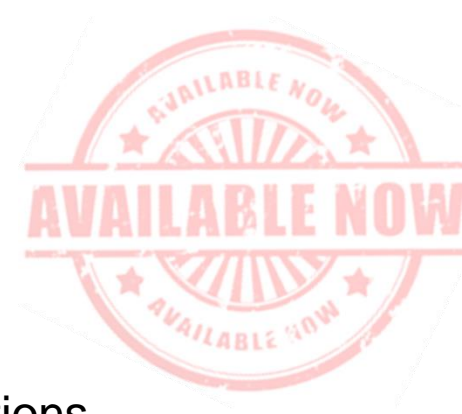
- Lots of 'visualization' tools
 - LucidCharts
 - Tableau
 - Google Refine (now OpenRefine)
 - Google Fusion Tables
 - DataHero
 - Datawrapper
 - Many Eyes (IBM)
 - Infogr.am
 - Roambi (app)
 - Jolicharts
 - Quadrigram
 - Datavisualization.ch
 - Zoho Reports



Common Features

- The case
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- The **good**:
 - Many are free (at least the basic versions)
 - Simple, appealing user interface
 - Drag and drop functionality
 - Charts are typically interactive
 - Some include geographic information system (GIS) functions
- The **not-so-good**:
 - Don't do everything (data analysis)
 - Not a lot of customization options
 - Various skill levels
 - Learning curve can be longer when dealing with many different data formats



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- Web-based Data Analysis:



- It **IS**:
 - A **web-based data analysis** application
 - A collection of **Lean Six Sigma (LSS)** templates and tools
 - A **learning tool** for users new to LSS and statistics
 - A platform to **collaborate** on projects
- It **IS NOT**:
 - A **data mining** application
 - Primarily a **data visualization** app
 - A **text** or **geospatial** analyzer



Why web-based data analysis?

We are stuck with **technology** when
what we really want is just stuff **that works**.

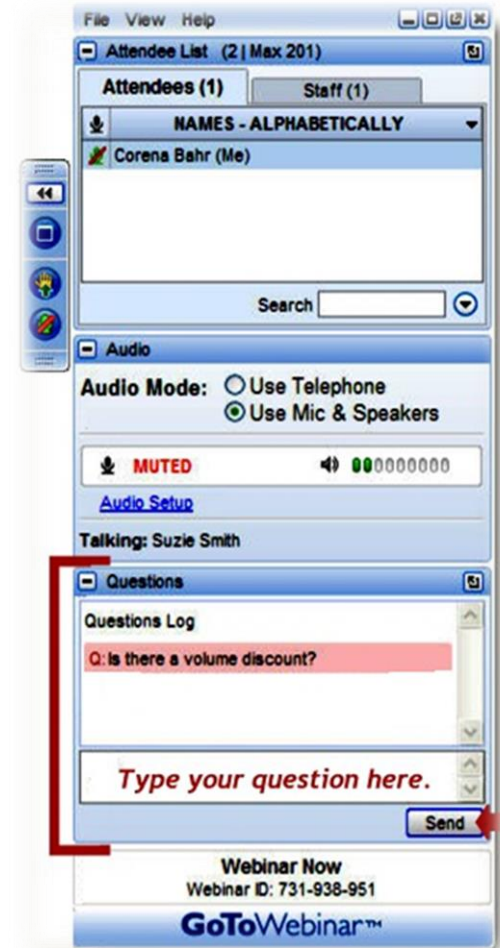
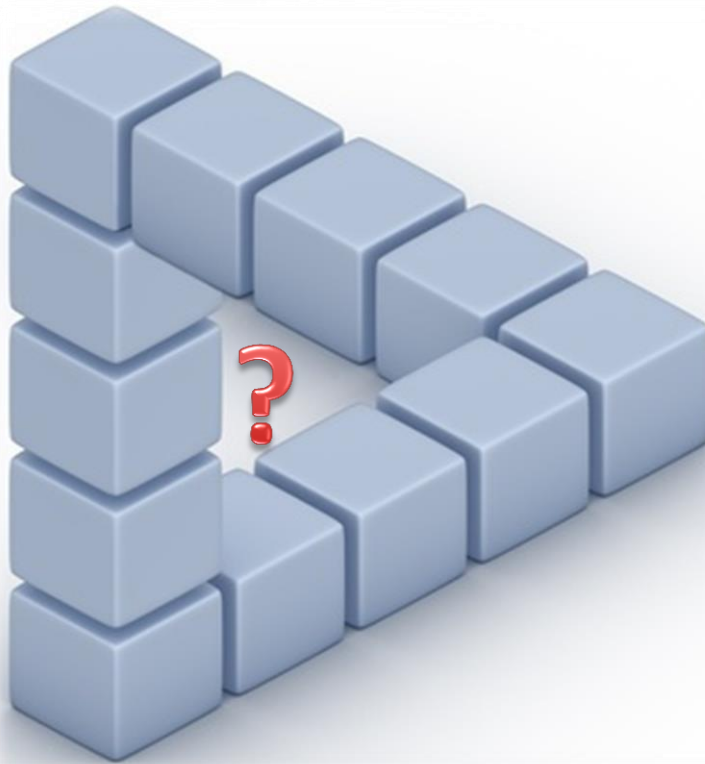
- Douglas Adams, *The Salmon of Doubt* (2002)

Credits/Citations

- Infoworld: www.infoworld.com
- Computerworld: <http://www.computerworld.com/>
- The Expanding Role Of Mobility In The Workplace:
https://www.cisco.com/web/solutions/trends/unified_workspace/docs/Expanding_Role_of_Mobility_in_the_Workplace.pdf
- Unisys Blogs: <http://blogs.unisys.com/disruptiveittrends/>
- Mobile Is The New Face Of Engagement:
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- Emerging Trends in Business Analytics: [https://www-950.ibm.com/events/wwe/grp/grp004.nsf/vLookupPDFs/Raising%20your%20organizations%20AQ%20-%20Emerging%20trends%20in%20business%20analytics/\\$file/Raising%20your%20organizations%20AQ%20-%20Emerging%20trends%20in%20business%20analytics.pdf](https://www-950.ibm.com/events/wwe/grp/grp004.nsf/vLookupPDFs/Raising%20your%20organizations%20AQ%20-%20Emerging%20trends%20in%20business%20analytics/$file/Raising%20your%20organizations%20AQ%20-%20Emerging%20trends%20in%20business%20analytics.pdf)
- The Changing Cloud Agenda:
http://www.verizonenterprise.com/resources/reports/the_changing_cloud_agenda_en_xg.pdf
- StatCrunch: <http://www.statcrunch.com>
- Statwing: <https://www.statwing.com/>
- Office Online: <http://office.microsoft.com/en-us/online/>
- EngineRoom: <https://www.moresteam.com/engineerom/web.cfm>
- Process Playground: <https://www.moresteam.com/process-playground/index.cfm>



Questions



Master Black Belt Program

- Offered in partnership with Fisher College of Business at [The Ohio State University](#)
- Employs a [Blended Learning model](#) with world-class instruction delivered in both the classroom and online
- Covers the [MBB Body of Knowledge](#), topics ranging from advanced *DOE* to *Leading Change* to *Finance for MBBs*



Thank you for joining us

Questions? Comments about today's program?



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“To the Gemba and More: A Walk to See the Waste”

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