

# ***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





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

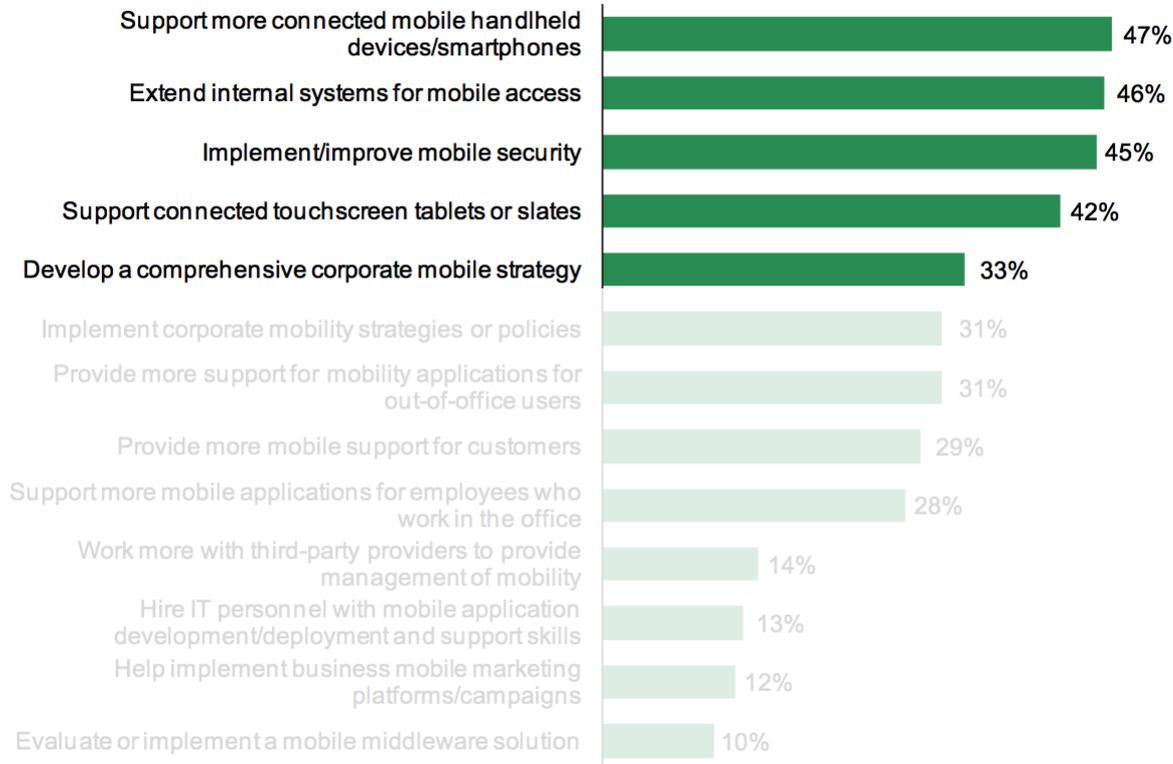
*- Forrsights Networks And Telecommunications Survey, Q1 2011*

# Trends in the business workplace

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

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: Forrsights Networks And Telecommunications Survey, Q1 2011

# Trends in the business workplace

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The image shows the cover of a Forrester report titled "The Changing Cloud Agenda" by Holger Kisker, Ph.D., dated April 24, 2012. The report is for CIOs. The cover features the Forrester logo, a small photo of the author, and a section for key takeaways.

**FORRESTER**

FOR: CIOs

## The Changing Cloud Agenda

by Holger Kisker, Ph.D., April 24, 2012

**KEY TAKEAWAYS**

**Cloud Computing Is Moving Beyond Being A Cost And Efficiency Play**  
Several years into the cloud journey now, companies are moving beyond the initial drivers for investments, which pertained to lower costs and greater operational efficiency. Companies are starting to see the broader benefits around business agility and speed, leading to investments in new cloud solutions that complement existing business processes.

**B2B Collaboration Evolves As The Ultimate Value Driver For Cloud**  
As cloud computing moves beyond the sharing of IT resources it starts to open new opportunities around the sharing of data and B2B collaboration. While still at a very early stage, B2B collaboration can drive true business value around business innovation and therefore will frame the cloud agenda going forward.

**New Business Models Leverage Cloud Collaboration**  
Cloud collaboration will form the basis for many new, innovative business models and ventures that will allow all participants to drive greater economic benefits.

The image shows the cover of an IBM report titled "Emerging trends in business analytics" with the subtitle "Key 'must knows' for 2012". It is part of the "IBM Performance 2012" series, with the tagline "Smarter Analytics. Smarter Outcomes." and the IBM logo. The cover features a colorful abstract graphic composed of various geometric shapes in shades of blue, green, yellow, and red.

IBM Performance 2012  
Smarter Analytics. Smarter Outcomes.

## Emerging trends in business analytics

Key "must knows" for 2012

# Implications of the mobility trend

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

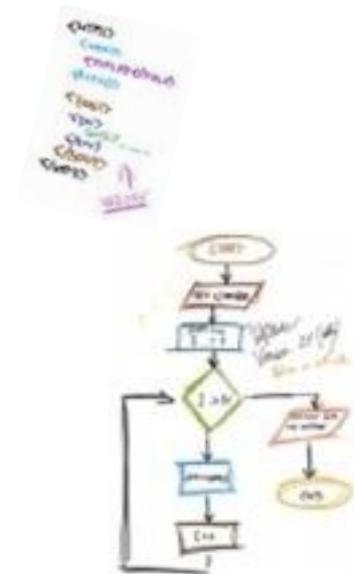
- Increased **mobile** device/tablet/slate use
- **Diversity** of operating systems
- High **speed**, **collaborative** environment
- **Access** to data, results – 24/7, on the go
- More **efficient** – project files, data, resources, all in one place



# Why web-based data analysis?

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

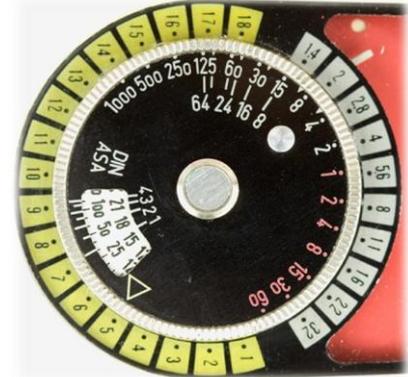
- No more **installation** issues on hard drives
- No more pushing out **updates** companywide
- Enhanced application **availability**
- Increase IT **flexibility** and business **agility**



# What are the (perceived) risks?

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

- 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



- 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



# The current landscape

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- Web-based Data Analysis:

The collage features several overlapping web pages:

- StatCrunch Landing Page:** Headline: "Modern Data Analysis Software". Subtext: "The power of statistical analysis, in an intuitive interface." Navigation: STATWING, HOW IT WORKS, USE CASES, PRICING, INTEGRATE, PORTALS, BLOG, JOBS, SIGN IN, SIGN UP. A green button says "TRY THE DEMO (No sign up, completely free)".
- StatCrunch Introduction:** Headline: "StatCrunch Introduction". Subtext: "A brief introduction to the StatCrunch package showing how to load and analyze data with StatCrunch software." Includes a bar chart titled "Males tend to have much higher values for Customer Satisfaction than Females".
- Office Online:** Header: "Office". Navigation: HOME, MY OFFICE, PRODUCTS, SUPPORT, TEMPLATES, STORE, OFFICE ONLINE. Search bar: "Search all of Office.com". Main text: "Office Online. Collaborate in real-time on shared projects." Button: "Start using now".
- StatCrunch Data Analysis:** Header: "StatCrunch". Navigation: Home, Explore, MyStatCrunch, Open StatCrunch, Resources, Support. Table: "College\_Worth\_It.xlsx". Summary statistics for Age: Mean: 29.262662, Variance: 16.02067, Std. Dev.: 4.0027729, Min: 19, Max: 55. Bar chart: "College\_Worth\_It.xlsx".



- 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**.

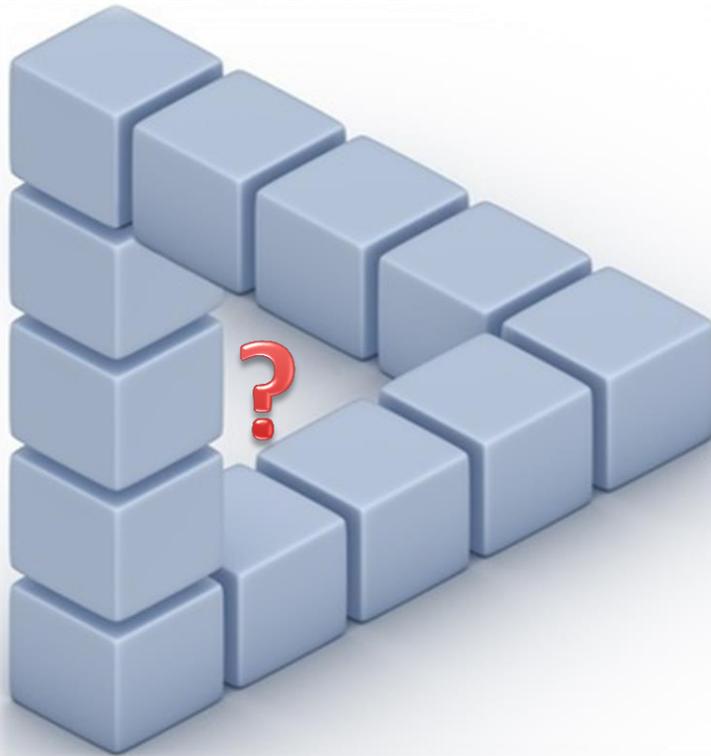
- Douglas Adams, *The Salmon of Doubt* (2002)

# Credits/Citations

- Infoworld: [www.infoworld.com](http://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](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: [http://media.cms.bmc.com/documents/Mobile\\_Is\\_The\\_New\\_Face\\_Of.pdf](http://media.cms.bmc.com/documents/Mobile_Is_The_New_Face_Of.pdf)
- 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](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/engineerroom/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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## *Join us next month:*

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

***Archived presentations and other materials:***  
<http://www.moresteam.com/presentations/>