Power Your Processes with Web-based Data Analysis

Smita Skrivanek
MoreSteam.com
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Agenda

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

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

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?”**

<table>
<thead>
<tr>
<th>Priority</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Support more connected mobile handheld devices/smartphones</td>
<td>47%</td>
</tr>
<tr>
<td>Extend internal systems for mobile access</td>
<td>46%</td>
</tr>
<tr>
<td>Implement/improve mobile security</td>
<td>45%</td>
</tr>
<tr>
<td>Support connected touchscreen tablets or slates</td>
<td>42%</td>
</tr>
<tr>
<td>Develop a comprehensive corporate mobile strategy</td>
<td>33%</td>
</tr>
<tr>
<td>Implement corporate mobility strategies or policies</td>
<td>31%</td>
</tr>
<tr>
<td>Provide more support for mobility applications for out-of-office users</td>
<td>31%</td>
</tr>
<tr>
<td>Provide more mobile support for customers</td>
<td>29%</td>
</tr>
<tr>
<td>Support more mobile applications for employees who work in the office</td>
<td>28%</td>
</tr>
<tr>
<td>Work more with third-party providers to provide management of mobility</td>
<td>14%</td>
</tr>
<tr>
<td>Hire IT personnel with mobile application development/deployment and support skills</td>
<td>13%</td>
</tr>
<tr>
<td>Help implement business mobile marketing platforms/campaigns</td>
<td>12%</td>
</tr>
<tr>
<td>Evaluate or implement a mobile middleware solution</td>
<td>10%</td>
</tr>
</tbody>
</table>

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
Trends in the business workplace

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

Mobile Is The New Face Of Engagement

Emerging trends in business analytics
Key "must knows" for 2012

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.
Implications of the mobility trend

• 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?

• 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?

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

- 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 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

- 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**.

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/
- StatCrunch: http://www.statcrunch.com
- Statwing: https://www.statwing.com/
- Office Online: http://office.microsoft.com/en-us/online/
- EngineRoom: https://www.moresteam.com/engineroom/web.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”

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http://www.moresteam.com/presentations/