are you
FUTURE READY?

Analytics for the CFO: Trends and New Thinking

Presented by:
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Agenda

• Introductions
• Approach for Today
• From Data Overload to Data Integration – Drowning to Surfing!
• Artificial Intelligence (AI) – The quickly evolving field and how it is going to help...soon
• The Value of Visualization and Self-Service Dashboards
Introduce Yourself

- Name
- Your Background
- Your Company and Your Role
- Experience with Analytics to date
Approach For Today

• Roundtable Format
• Introduce each topic
• Discuss as a group
  – Own Experience
  – Whats working
  – Whats not
  – Questions for Group

Objective: Leverage the Knowledge of the Group
FROM DATA OVERLOAD TO DATA INTEGRATION – DROWNING TO SURFING!
Key Concepts

1. Analytical Environments are Changing
2. Data Integration is becoming easier
3. Data is being monetized; easier to acquire
Analytical Environments are Changing

• Vendors are changing how they respond to our needs
• Increased available tools
• Handle all types and forms of Data
• Flexible and adaptability are the competitive differentiators
• Many types of options:
• Cloud, On-Premise or Hybrid Approach
A quick word on Cloud
Despite the hype about Cloud Computing, the cloud game is just beginning.

• Most enterprises are also in the very early stages of evaluation…

  …more than half have yet to deploy a cloud solution.

Source: Info-Tech Research Group
But fundamentally the Cloud promises an impact on how we build and deploy applications.

Today:

Plan → Build → Deploy → Use

The Promise of the “Cloud”:

Plan → Use
The Cloud Promises many benefits

Source: Ron Gill, CFO NetSuite, CMA, CFM
Data Integration is becoming easier

Procurement Optimization at GE

“The supplier data integration was a big win.”
Bill Ruh CEO GE Digital & Chief Digital Officer at GE quoted in Forbes

- Supplier mastering: $80M in savings in the first year by consolidating 75+ transactional systems across 8 GE BUs
- Parts mastering: $300M in cost saving opportunities
Data is being monetized; easier to acquire

External Data becoming increasingly assessible through public APIs:

• Equities
• Cryptocurrencies
• Weather
• Social Media Feeds
• Economic Indicators
• Satellite Imagery
• Etc.

“Amazon” of data
Discussion

How are you handling the problem of “too much data”? 
ARTIFICIAL INTELLIGENCE
Key Concepts

• Automation will assist with routine tasks
• Natural Language Processing (NLP) will play an important role
• Hiring focus will shift
Automation will assist with routine tasks

Chatbots
Meet Amelia: Your first digital employee

A glimpse into Amelia’s brain

• Successfully deployed in a number of roles
  – IT Service Desk Agent
  – Public Service agent
  – Mortgage Broker Agent
  – Invoice Query Agent
Automation will assist with routine tasks

100% Audit
Fraud Detection
Natural Language Processing (NLP) will play an important role
Hiring focus will shift

Detailed Knowledge of Algorithms and Coding is becoming less critical to the execution of advanced analytics!

BI “Power Users” will become more valuable.
Hiring focus will shift

“Everyone will call themselves a Data Scientist”

Talent acquisition strategy tip: seek the specific skills and tools experience needed, proven by past work
Discussion

How might ChatBots and Amilia help your business?
THE VALUE OF VISUALIZATION AND SELF-SERVICE DASHBOARDS
Key Concepts

Self-Service Dashboards are becoming the workhorses of most Analytics Programs
The Value of Visualization and Self-Service Dashboards
The value of visualization: Self-Service Dashboards

2017 O’Reilly Media Survey
The value of visualization: Self-Service Dashboards

2017 O'Reilly Media Survey
The value of visualization: Self-Service Dashboards

- Reduces Demand on Constrained IT Resources

- Enables self-discovery, “frees the data”

- Eliminates “Shadow Analytics”

- For most small to midsize companies, Visual Analytics = current opportunity / focus (VALUE)
Discussion

How are you using visualization tools today?
It is not the strongest or the most intelligent who will survive but those who can best manage change.

~ Charles Darwin
Further Discussion?

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