Analytics Platform Modernization

Where are you now?
Where do you want to go?

Individual Desktops with SAS Foundation tools

- Disconnected, out-of-sync, redundant data
- No code version control
- Not scalable
- i/o limitations
- Idle resources
- Software updates challenging

Server

▸ Centralized data management
▸ Centralized code control
▸ Stored processes
▸ Metadata
▸ Scale up
▸ Better resource usage
▸ More Compute/Storage Capacity
▸ High availability
▸ Security

Distributed Architecture

▸ All the benefits of a server platform
▸ Immensely scalable
▸ Best for "big data" analytics
▸ Room to grow

FIRST ANALYTICS®

How will First Analytics take you there?

Current State Assessment
– Current analytical applications
– SAS product usage
– Data sources and governance
– Program, code review
– Other tools used
– Processes
– Company vision alignment

Proof of Concept
– Use cases
– Run a pilot in a First Analytics hosted environment
– Highly collaborative with your team

Road Map
– Modernization plan: technology; data; people; processes
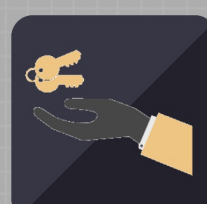– Innovation opportunities identified

Stand Up
– Install & Configure
– Administration Setup
– Data ETL

Enablement
– Training on new tools
– Team collaboration in migrating and expanding analytics
– Develop new innovation opportunities
– Change management

SAS products in your consideration set

{ SAS® Visual Analytics
  SAS® Visual Statistics }

{ SAS® Data Loader for Hadoop
  SAS/ACCESS® Interface to Hadoop }

{ SAS® Grid Manager }

{ SAS® In-Memory Statistics }

{ SAS® High-Performance Data Mining
  SAS® High-Performance Text Mining
  SAS® High-Performance Statistics
  SAS® High-Performance Econometrics
  SAS® High-Performance Optimization }

Other tools you may want to integrate with

R, python, SPSS, alteryx, Java, D3, KNIME, rapidminer, Scala, tableau, Spark, Spotfire, STORM, OPENTSDB

What flavor of Hadoop?

PREFERRED
cloudera
Hortonworks

SUPPORTED
powered by Apache hadoop
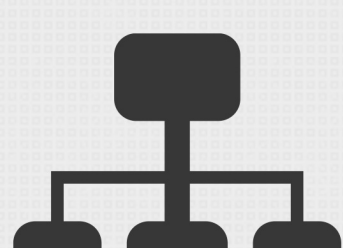IBM InfoSphere BigInsights
MAPR
Pivotal

*Supported for most SAS high performance products

We can help you with these decisions

People
– Who to hire or develop?
– How to increase skills?

Organization Change
– What organizational structure is best?
– How to effect cultural evolution?
– How to work better with IT and business?

Why First Analytics?

STAGE 05 Analytical Competitors
STAGE 04 Analytical Companies
STAGE 03 Analytical Aspirations
STAGE 02 Localized Analytics
STAGE 01 Analytically Impaired

We follow the analytics maturity model of our co-founder, Tom Davenport