EMERGING TECH TRENDS AND ANALYTICS

OLIVER SCHABENBERGER
EVP & CHIEF TECHNOLOGY OFFICER
@OSCHABENBERGER
Big Data

Cloud

Connected Devices and IOT

Self-service Analytics

Open Source

Machine Learning and Artificial Intelligence

Data & Analytics

Open Source

Big Data

Cloud

Connected Devices and IOT

Self-service Analytics

Open Source

Machine Learning and Artificial Intelligence
FORCES THAT MOTIVATE SAS® Viya™

1. Movement of data to cloud and edge
2. Diversity in ways analytics are consumed and approached
3. Simplicity in management, deployment, monitoring, updates
4. Need to integrate technology
5. Extensibility, openness
6. Service-based architecture
7. Reduce technical debt
Consumption Based
Private and Public
Elastic
Deploy, Provision, Use
Self Service
Innovative

Analytical Lifecycle
Governance
Integrated
APIs and Services
Languages
Enabling
• It’s an **AND** strategy

• Each is designed to solve a different set of use cases

• Can co-exist on same hardware (physical or virtual)

• Incentives for existing customers

• Connective tissue bridges both platforms
BRIDGING SAS® 9 AND SAS® VIYATM

1. SAS® 9 data accessible within SAS® Viyartm
2. SAS® Viyartm models publishable to SAS® 9
3. Remotely execute code from / to both
2 SOFTWARE STREAMS: SAS® 9 AND SAS® VIYATM

Data Management  Event Stream Processing  Cyber Security  Customer Intelligence 360

SAS 9.4M4

SAS Visual Analytics

SAS Visual Data Mining and Machine Learning 8.1

Event Stream Processing

SAS Visual Statistics

Event Stream Processing

SAS Visual Investigator

SAS as an Open Platform

2016

SAS 9.4

2017

SAS Viya

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FROM SOFTWARE TO SMARTWARE

- point and click
- touch and swipe
- type & run
- click & browse

mid-2010s
mid-2000s
mid-1990s
MACHINE LEARNING

Knowledge Augmentation

Classical Machine Learning

- Data-driven
- Algorithmic techniques
- Data trains algorithm
- Training is the process of shaping

Modern Machine Learning

- Data-driven
- Non-algorithmic Techniques
- Learning based on deep neural networks
- “Data does the programming”
MACHINE LEARNING APPLICATIONS

1. Speech Recognition
2. Natural Language Processing
3. Diagnostic of Mental Disorders
4. Radiology Medical Imaging
STAY IN TOUCH

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