

Mass-Scale, Automated Machine Learning and Model Deployment Using SAS® Factory Miner and SAS® Decision Manager

SAS13531

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### About the presenters



Jonathan Wexler, Principal Product Manager, SAS

Responsible for SAS Enterprise Miner, SAS Factory Miner and related SAS Machine Learning products. He has a B.S. in Mathematics/Statistics and M.A. in Biostatistics.



Steve Sparano, Principal Product Manager, SAS

Responsible for SAS Decision Manager, SAS Event Stream Processing, and SAS Workflow automation capabilities. He has a B.S. in Business Management and Computer Science.

# Agenda



Automate your model development



Streamline and action your analytics



**SAS Software Demo** 

# Agenda



### Automate your model development



Streamline and action your analytics



SAS Software Demo

### Scalable Analytics

- More Machine Learning Algorithms
- Model Tournaments
- More Granular Segments

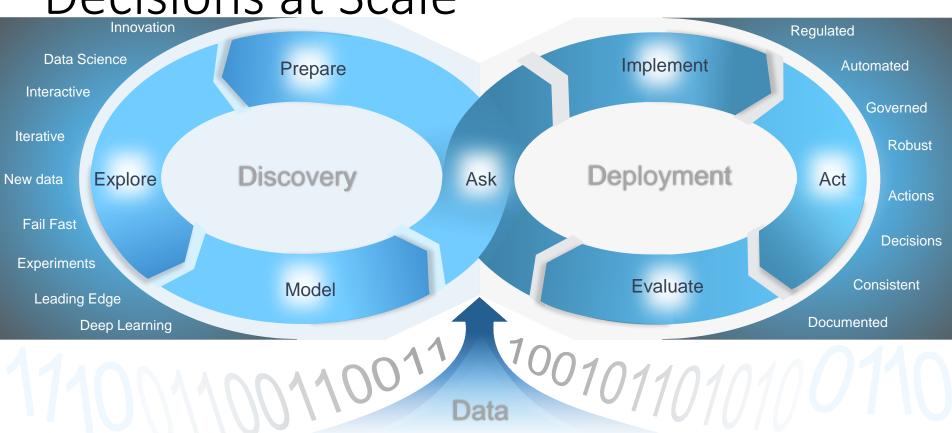


- Embedded Analytics
- Combine Business Rules and Models
- Build Once, Deploy Anywhere

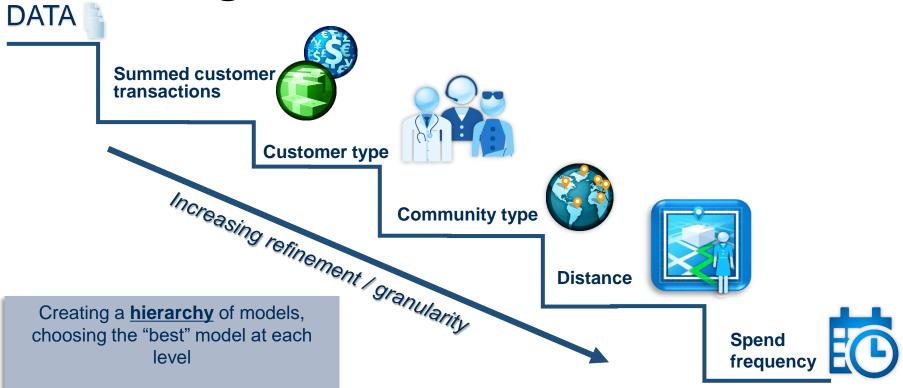


- Use ALL the Relevant Data
- Include More Attributes

Decisions at Scale



### Micro Segmentation





Sharable best practice process templates

Modern machine learning algorithms

Industrial Scalable Analytics

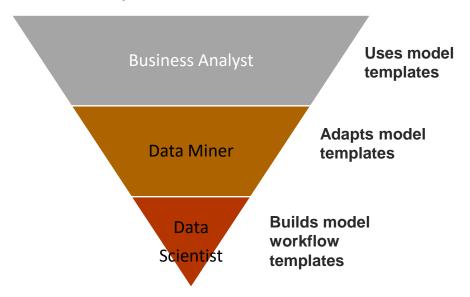


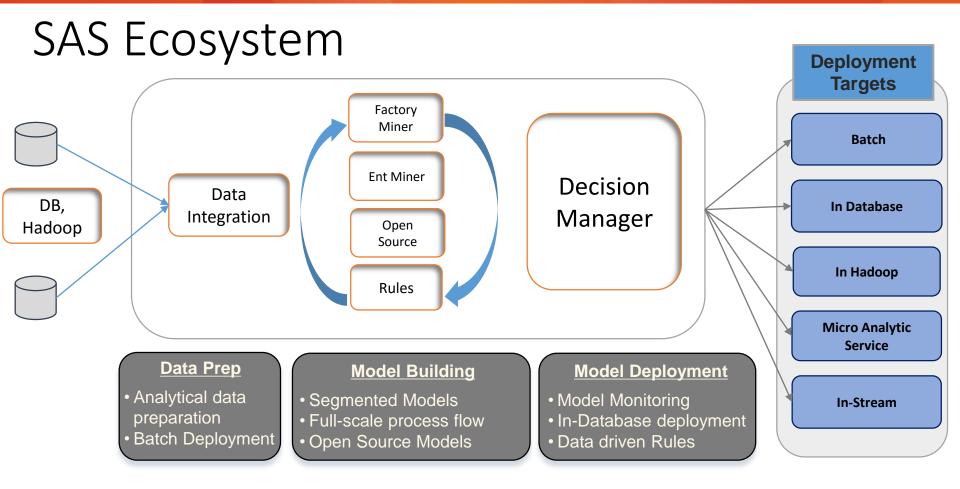
### Extend Organizational Talent Pool

**Data Science Superhero** 



#### **Analytics Collaboration**





# Agenda



Automate your model development



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SAS Software Demo

### Decision Management

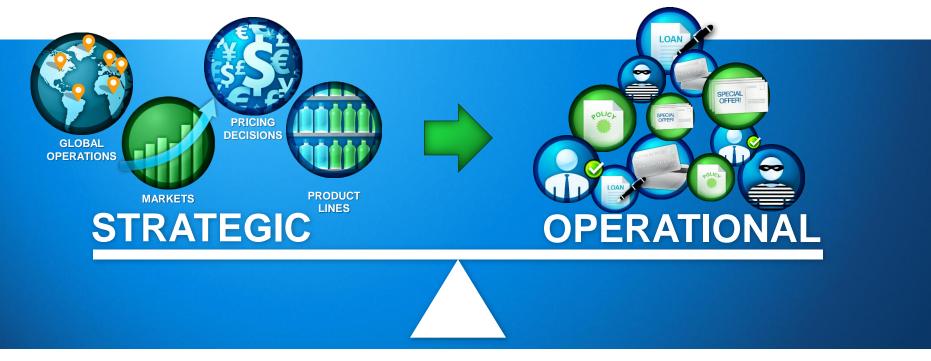
Decision Management is an approach for **automating** and **improving** <u>high-volume operational decisions</u>.



- ACCURATE
- SCALABLE
- GOVERNED

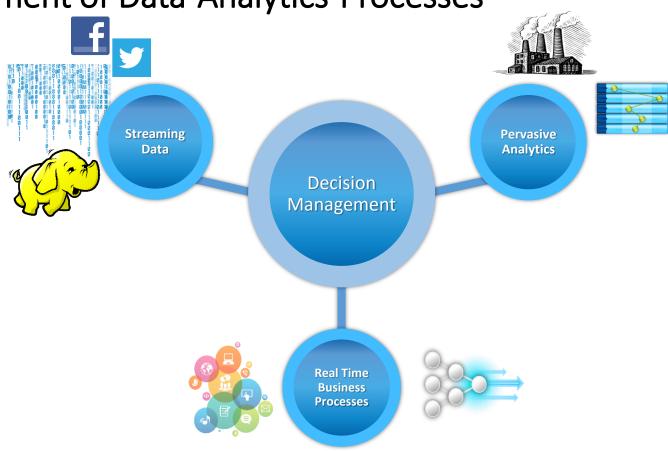
<u>Decision</u>: Data Prep + Business Rules + Analytical Models + Optimization + Integration

### **Decisions**



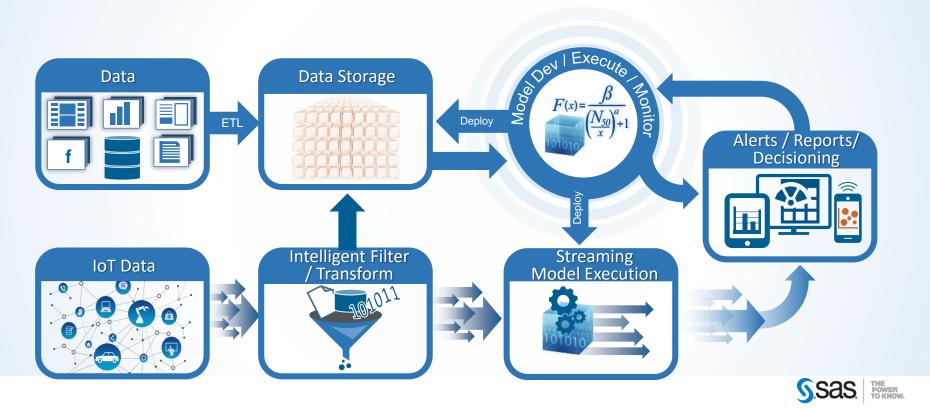
**Evolving Environment of Data-Analytics-Processes** 

- Integration of Rules, Events, Models, Data
- Unified Decision Management platform
- Streamline decision deployment for multiple targets

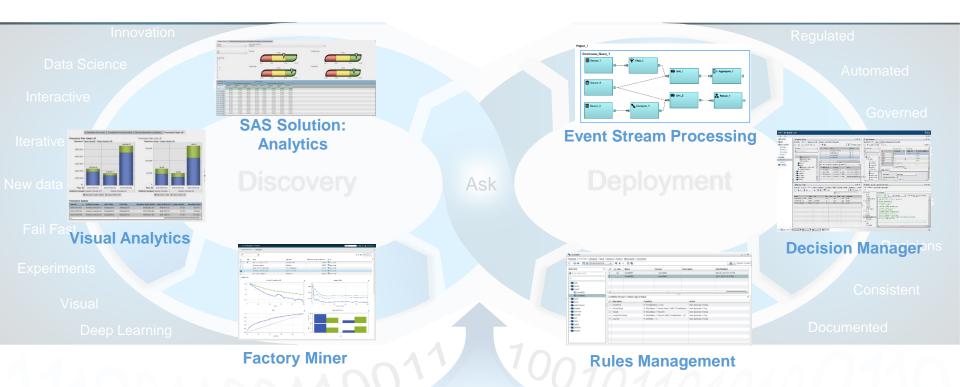


# Internet of Things

#### **ANALYTICS LIFECYCLE: SENSE - UNDERSTAND - ACT**



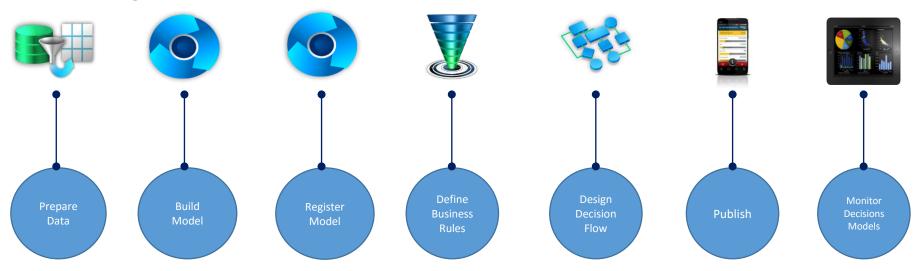






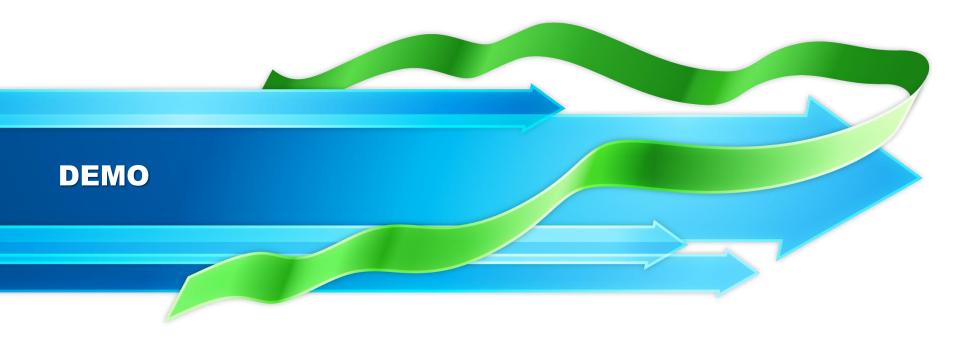
### **Decision Process**

Putting models to work



**Analytics** 

Publish, Monitor, Govern





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#analyticsx