The Analytical lifecycle

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SAS is a STRONG PERFORMER in the Forrester Augmented BI Wave, Q3 2021

- This placement validates **the benefits of SAS Viya and the seamless experience it brings to customers** as they rely on SAS Visual Analytics for interactive reporting, visual discovery, self-service analytics, scalability, governance and much more. SAS Visual Analytics is the lead offering for this Forrester Wave.
- SAS exhibited positive movement in both our current offering and strategy compared to the previous Wave in 2019.
- SAS has the third-highest offering score – only behind Microsoft and Oracle

The Agenda

- Why, How – Our mission
- Operationalization of Analytics
  - Data
  - Visualization and Analysis
  - Statistics modeling
  - Production and governance (Operationalization)

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Purpose

How SAS can support
the Analytical lifecycle
in **one** Platform.

or

How a SAS Platform solves the critical
data and analytical challenges
for organizations today

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''Data without analytics is value not realized''

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Artificial Intelligence

Analytics Everywhere

Analytics for Everyone

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PROGRAMMING LANGUAGES

TALENT

CHOICE

ANALYTIC TECHNIQUES

DATA SOURCES

SCALABILITY

DATA & MODEL GOVERNANCE

CONTROL

DEPLOYMENT

SECURITY AND PRIVACY

THE SAS PLATFORM

Accelerate Your Analytics Journey

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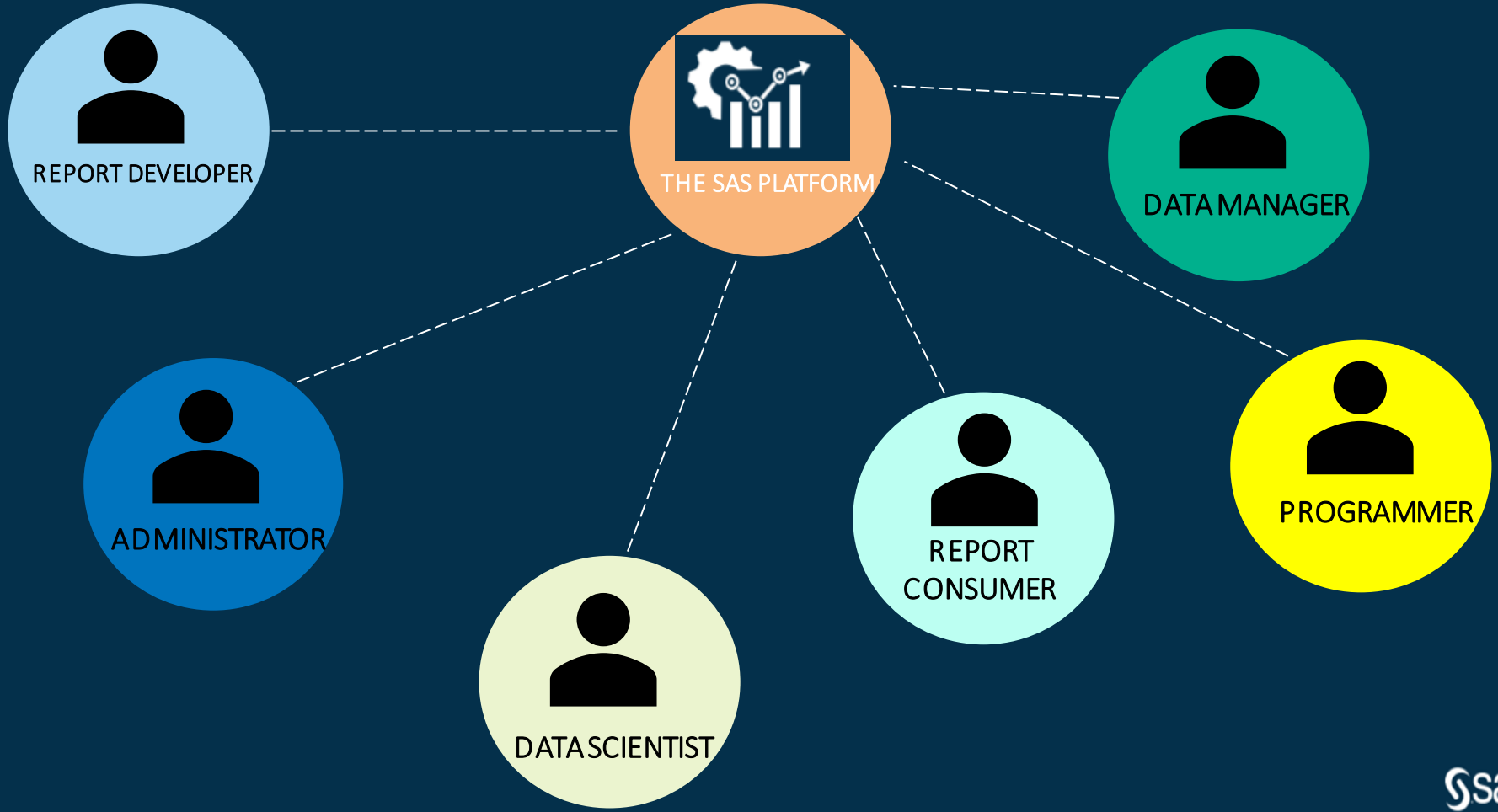
ROLES


REPORT DEVELOPER
THE SAS PLATFORM
DATA MANAGER
ADMINISTRATOR
DATA SCIENTIST
REPORT CONSUMER
PROGRAMMER

ACCELERATE

The Analytics Life Cycle

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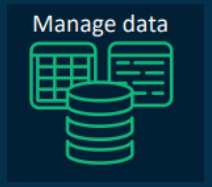
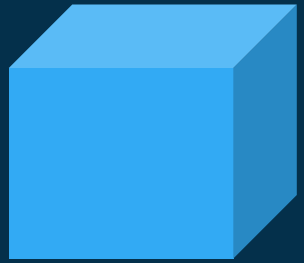
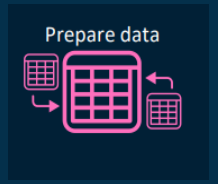
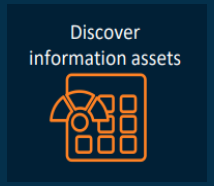
The foundation for analytics

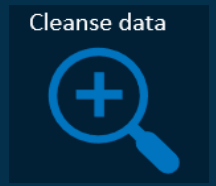


DATA





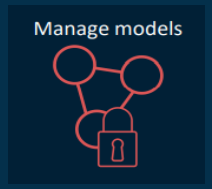


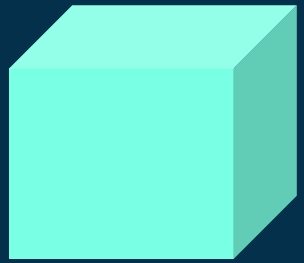


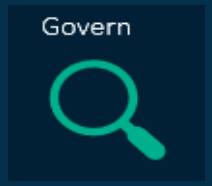
A broad range of cabilities to answear any questions

Putting the best model in production

Deployment







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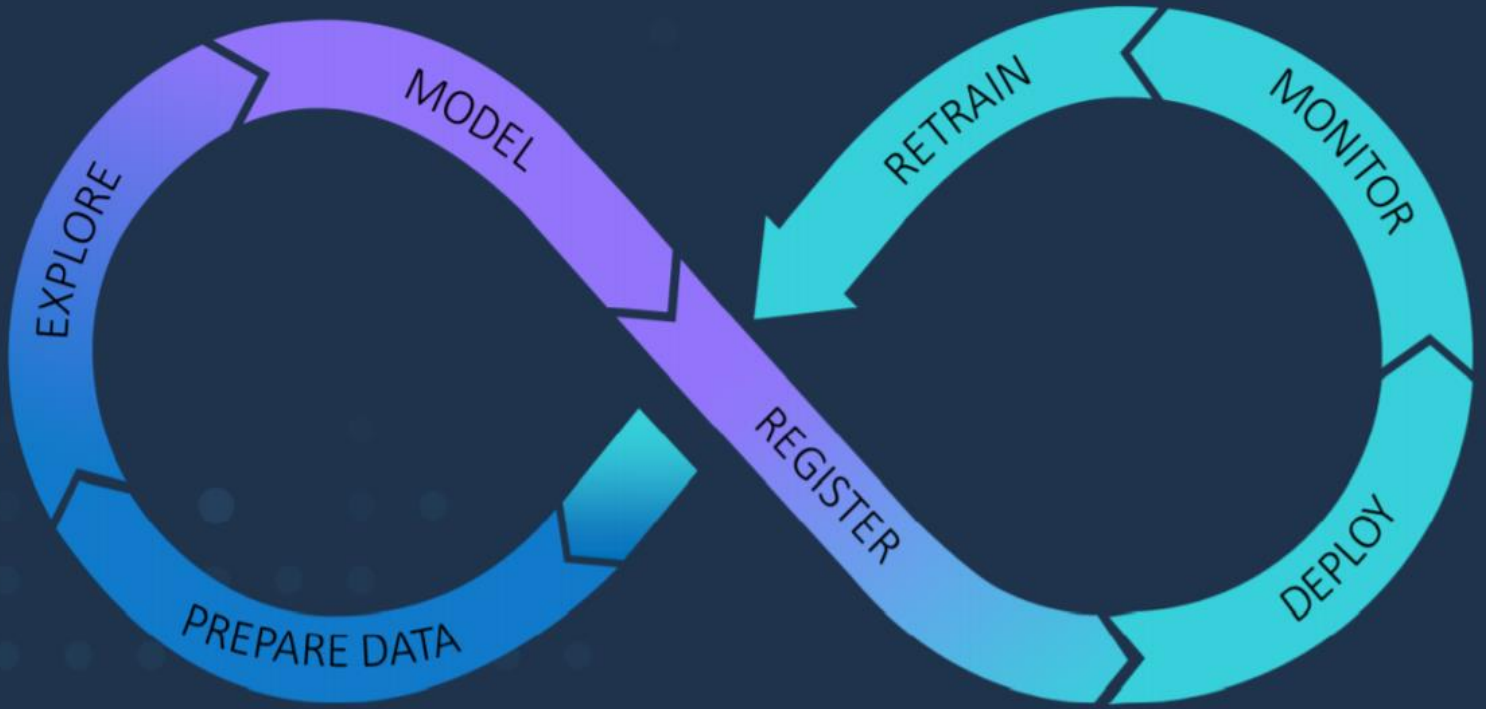
Lost possibilities

- Less than 50% of the best models get deployed
- 90% of models take more than three months to deploy
- 44% of models take over 7 months to be put into production

Operationalizing Analytics

The Analytic Life Cycle



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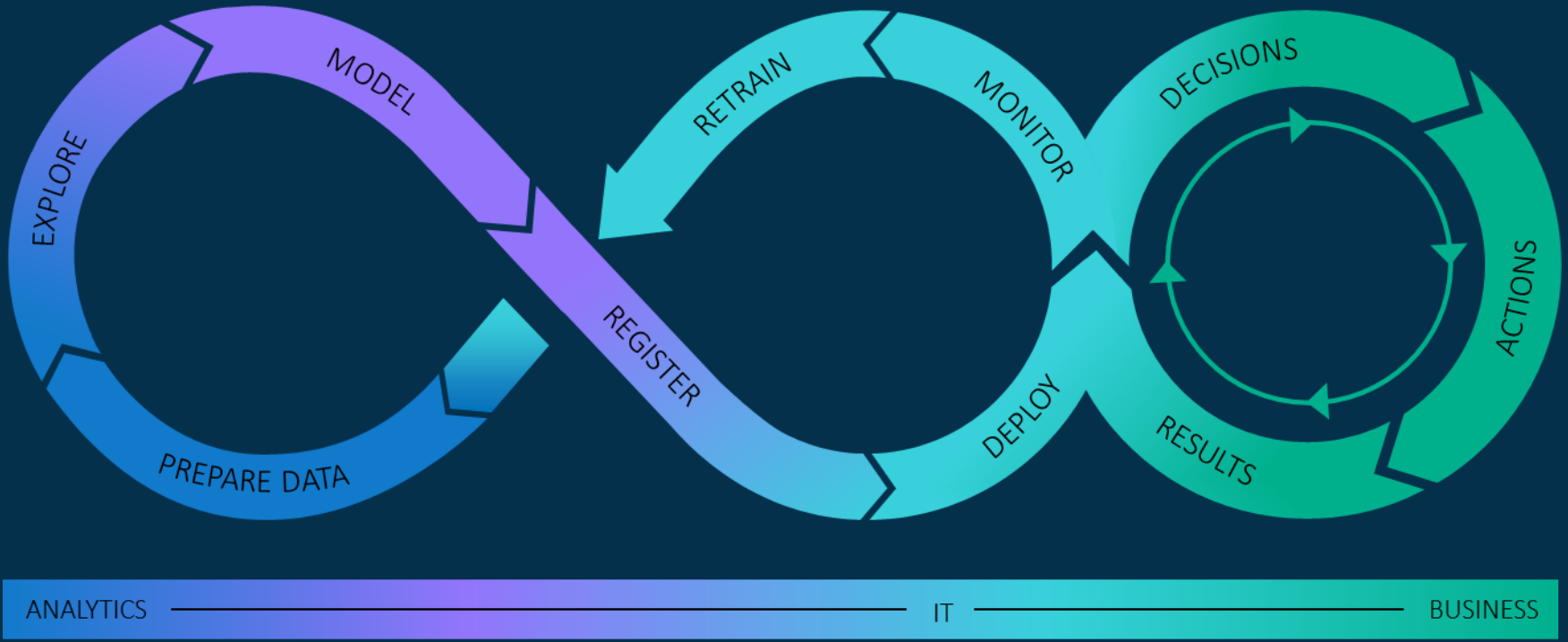
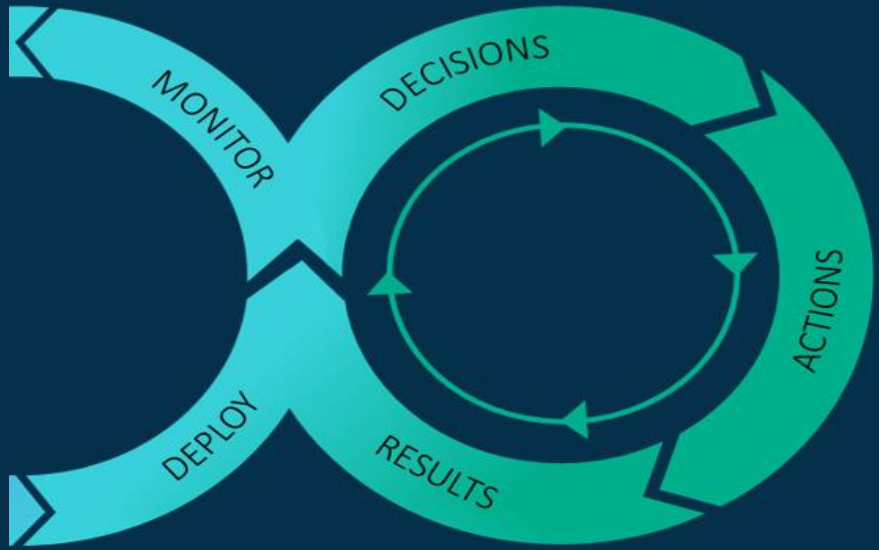
Gut feeling in decision making

The decisioning process



Operationalizing

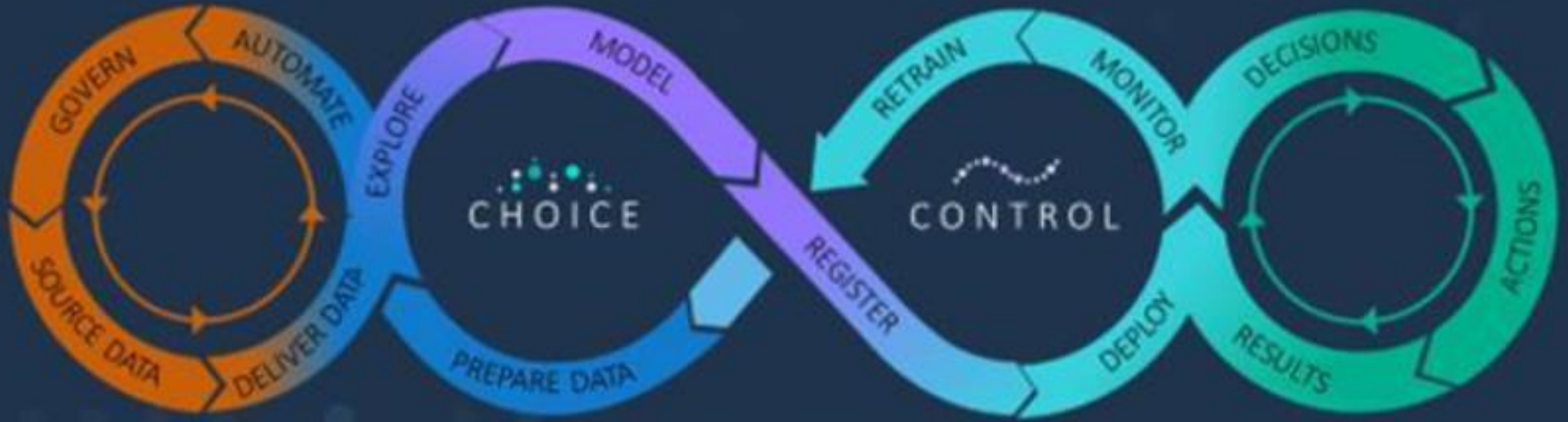
- Manage decisions
- Business rule and analytical model execution
- Automated high volume interactions



“ Data science teams are no longer measured by the models they build but by the business value they generate.”

The Analytics Lifecycle

Process Model



DataOps ModelOps DecisionOps

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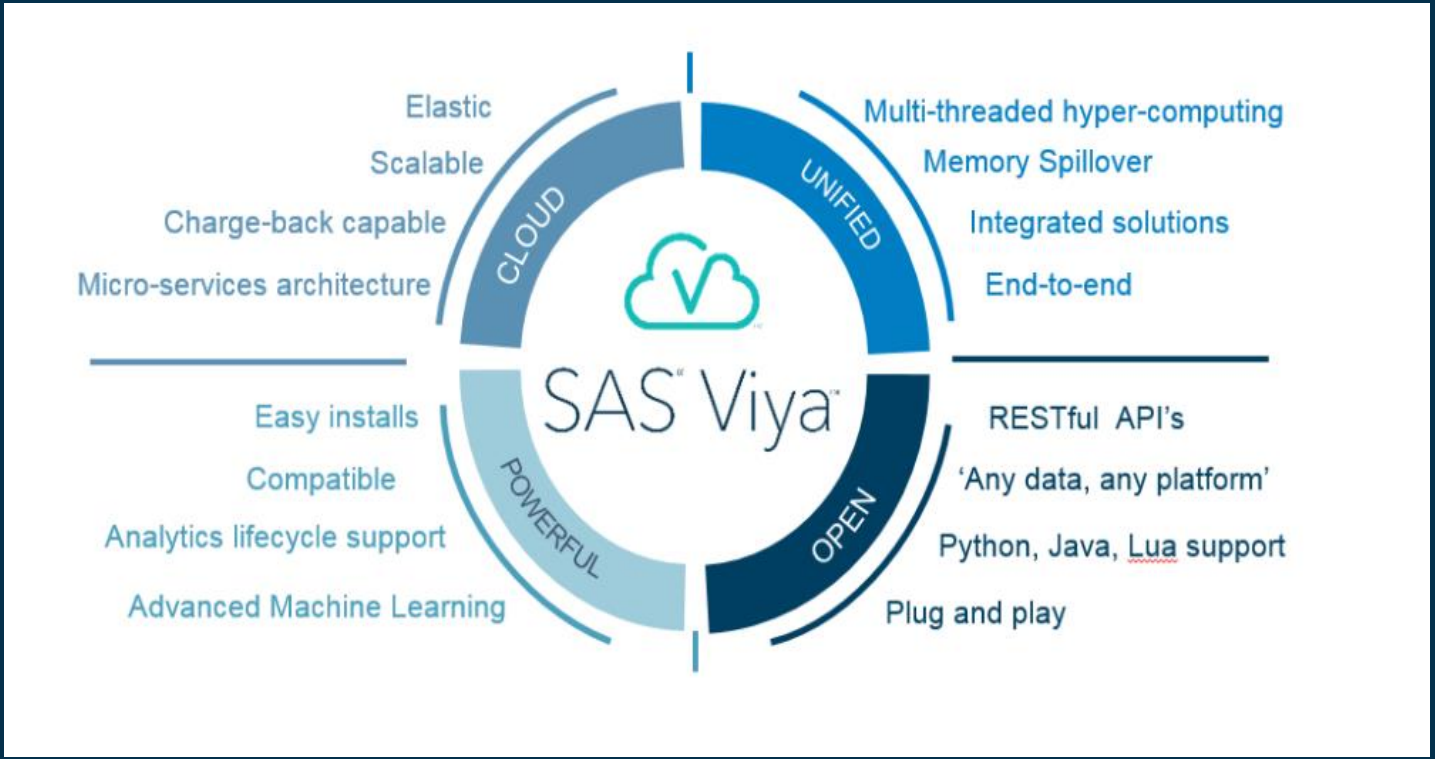
VIYA: The future is open



The Analytics Lifecycle

DATA

- SAS® Drive
- SAS® Information catalog
- SAS® Data Preparation/SAS® Data Studio
- SAS® Visual Analytics - Adhoc

DISCOVERY

- SAS® Studio
- SAS® Visual Analytics - Dashboard
- SAS® Visual Statistics
- SAS® Visual Data Mining and Machine Learning
- SAS® Model Studio
- Open Source Integration
- SAS® Studio

DEPLOYMENT

- SAS® Model Manager
- SAS® Intelligent Decisioning

ORCHESTRATION

- SAS® Environment Manager
- SAS® Job flow scheduler
- SAS® Lineage

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DEMO

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Datasettet som vi skal bruke gjennom den analytiske livssyklusen

- Et datasett fra et kredittselskap, hvor over 40% av kundekontoene kan bli avskrevet.
- Hvis selskapet ikke gjør noe, så kan de tape over 240 millioner dollar.
- Datasettet består av 44 kolonner og 10 000 rader.

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