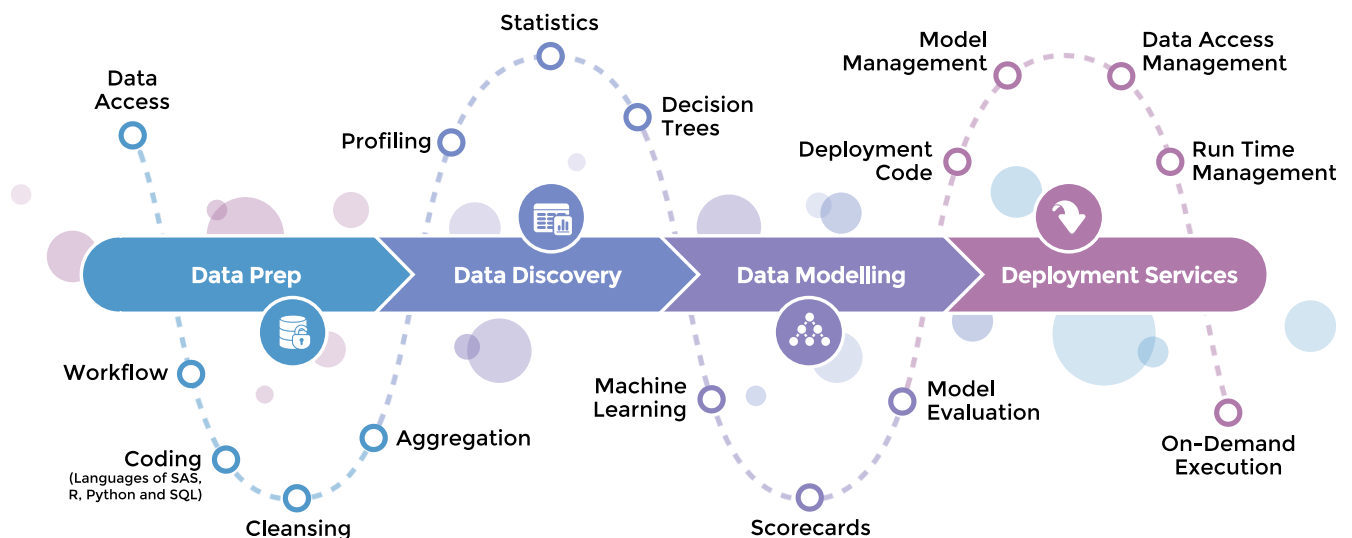


**Wherever you sit in the data landscape, WPS Analytics provides the tools you need**



**SAS Data Engineer**



**SAS Data Analyst**



**Data Scientist**



**Data Modeller**



**DevOps**



*"I need to create and run SAS programs for optimal handling of large data volumes"*

## Coding tools

- ✓ Create and run SAS language programs typically at a lower cost
- ✓ Use SAS language with Python, R, SQL and Hadoop framework in a single program
- ✓ Govern data access and user credentials from a central hub
- ✓ Remotely submit code and transfer data between desktop, server, cloud and mainframe

## Three reasons why Data Engineers need WPS Analytics...

1

A built in SAS language compiler provides support for macros, graphing, statistical analytics, time series analysis, matrix programming and machine learning.

Use a feature-rich workbench GUI for managing, creating, running and exploring generated output.



2

Create SAS programs leveraging support from PYTHON, R, SQL and languages from the HADOOP ecosystem.

Combine the best models, libraries and features of each language into a single program.



3

Store data access credentials in a central hub and eliminate hard-coding personal data access login and password details in your programs.



SAS Data Engineer



SAS Data Analyst



Data Scientist



Data Modeller



DevOps



*"I want a strong understanding of my data, with instant meaningful business insights"*

## Coding and Workflow

- ✓ Intuitive point-and-click tools
- ✓ SAS language support
- ✓ Open source language integration
- ✓ Data discovery and profiling
- ✓ Code generation from workflow

## Three reasons why SAS Data Analysts need WPS Analytics...

1

### Reduce the cost of creating and running new and existing SAS programs

Use workflow with drag-drop, point-and-click nodes.

Or, write SAS language programs with support for macros, graphing, statistical analytics, time series analysis, matrix programming and machine learning.



2

### Introduce open source languages into your analytics platform

Combine the best of SAS language and open source languages in your programs.

Enhance workflows with code blocks written with open source and SAS languages.



3

### Reduce the time of the analytical lifecycle

Use point-and-click data profiling to quickly discover and generate insights from your data.

Generate deployment code automatically from a workflow.

Share code with peers to collaborate best practices.



Data Engineering

Analytics

Data Science

Modelling

Deployment

SAS Data Engineer



SAS Data Analyst



Data Scientist



Data Modeller



DevOps



- SAS language
- ETL
- All data access
- R, Python, SQL
- Data access

*“I need to access and prepare any data with automated data profiling to provide business insight”*

## Data Workflow

- ✓ Clean and shape any data
- ✓ Intuitive drag-drop functionality
- ✓ Export and view in MS Excel
- ✓ Handle any data format
- ✓ Use in-cloud, on servers and desktops

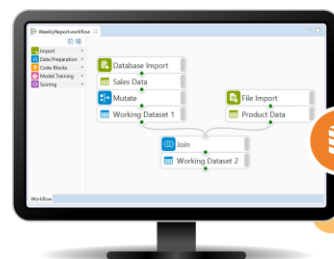
## Three reasons why Data Scientists need WPS Analytics...

1

### Connect and prepare multiple data sources

Leverage data from Hadoop, data warehouses, databases, datasets, data files and spreadsheets.

Use workflow to quickly cleanse and prepare data and perform advanced operations with programmable nodes in the languages of SAS, SQL, Python and R.



2

### Profile and discover data insights

Automated data profiler to discover and generate insights from your data.

Advanced statistics for business insight.

Machine learning algorithms for predictive modelling.



3

### Collaboration

Use the workflow environment to generate deployment code.

Share code with peers to collaborate best practices.

Deploy to a central repository to automatically invoke insights without having to re-open a project.



SAS Data Engineer



SAS Data Analyst



Data Scientist



Data Modeller



DevOps



## Data Workflow

- ✓ Clean and shape any data
- ✓ Intuitive drag-and-drop functionality
- ✓ Use code blocks written in the languages of SAS, Python, R and SQL
- ✓ Fast and flexible decision trees
- ✓ Machine learning
- ✓ Scorecard development

*"I need a robust platform for scalable, intuitive and advanced analytics"*

## Three reasons why Modellers need WPS Analytics...

1

### Profile and discover data insights

Automated data profiler to discover and generate data insights.

Advanced statistics for business insight.

Use workflow to govern modelling projects across the team for productivity and best practices.



2

### Predictive modelling

One of the best decision trees on the market to model and explain data to business stakeholders.

Optimized supervised and unsupervised learning algorithms.

Leverage application scorecard with WoE optimisation.



3

### Model assessment and deployment

Automatically compare multiple models.

Auto-generate deployment code from models.

Deploy to a central repository for batch or real time execution.



SAS Data Engineer



SAS Data Analyst



Data Scientist



Data Modeller



DevOps



## Deployment tools

- ✓ Streamlined toolset
- ✓ Auto-generate deployment code
- ✓ Model management
- ✓ Model deployment
- ✓ Define REST APIs

*"I need a quick and simple process to manage models from development into production"*

## Three reasons why DevOps need WPS Analytics...

1

### Enterprise management

Govern data access with user credentials stored in a central hub  
Publish models and programs to a central repository for shared use.  
Use batch, on-demand and real-time execution of deployed programs.



2

### Reduce the time creating deployment service applications

Deploy and automatically run SAS language or R language programs.  
Multiple API options enabling applications to connect with deployed programs.



3

### Manage and govern access of deployed programs

Configure user profiles to distinguish who can upload and push programs through testing, pre production and production.  
Version control and change logs of deployed programs.



## Multiple Languages



Combine the languages of SAS, R, Python and SQL in single executable programs.

## Enterprise Management



Hub offers centralised control of data security, a repository for shared use of published programs and models, deployment APIs for on-demand and real-time applications.

## Business Intelligence



Leverage BI integration through API or export facilities to help monetise the benefits of your data preparation and insight.

# WPS Analytics for your end-to-end data needs

**Relied upon globally**

**Used across multiple industries**

**Thousands of installations and consumers of WPS output**



**Cloud | Desktop | Server | Mainframe**

