



Innovative Analytical Platform

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Agenda

1. Vision

2. Core Components

3. Programmer's Role

4. Live Demonstration

Vision



Elimination of Manual Programming



Reduce learning curve for Programming Languages



One Controlled Language Agnostic Environment



Cycle Time Reduction



Lower Cost



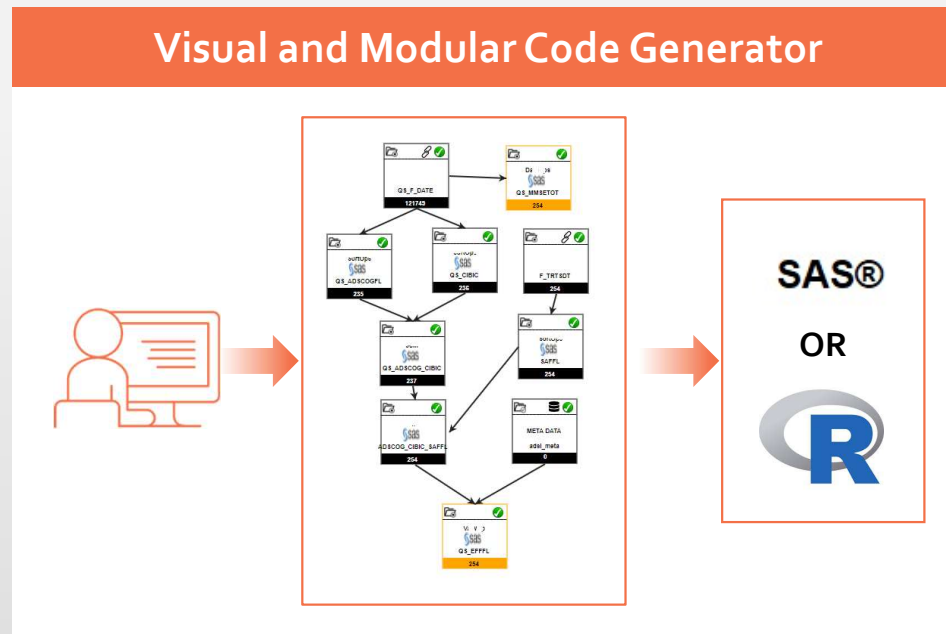
Agile Workforce



Increased First Time Quality



The Core Component



SCE – Accuracy, Reproducibility and Traceability (ART)

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Programmer's Roles Within AnalysisMate

EDC

SDTM

ADaM

TLF



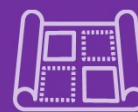
Generate SAS/R Code

- Built-in Data Processing Modules
- Flexibility to update "code generator" for different languages & packages



Global Library Management

- TA/Sponsor Specific
- Block based



Study Setup

- Identify objects in GLib
- Study Specific Setup
- Metadata Driven



Integrated Content Management

- Specs
- Reviewer Guide

Demonstration - Visual and Modular Programming

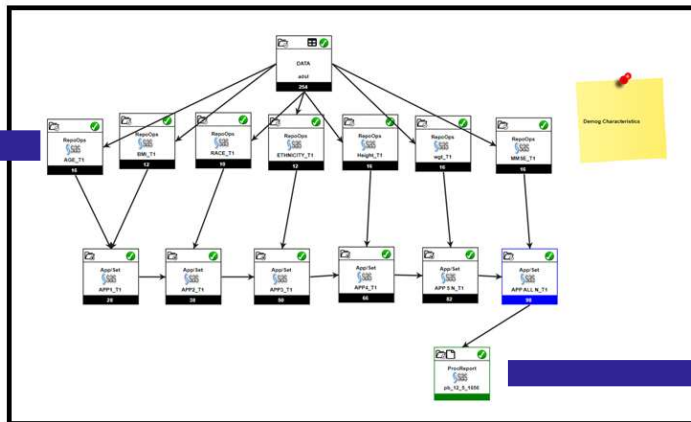


Table 14.1.1.2.a
Baseline Characteristics
Safety Population

	Placebo (N=86)	Xanomeline High Dose (N=84)
Age		
n	86	84
Mean (SD)	75.21 (8.59)	75.21 (8.59)
Min - Max	62.00 - 89.00	62.00 - 89.00
Median		
Weight		
n		
Mean (SD)		
Min - Max		
Median		
BMI		
25-<30		28 (33.33%)
<25		44 (52.38%)
>=30		12 (14.29%)
Race		
AMERICAN INDIAN OR ALASKA NATIVE		1 (1.19%)
BLACK OR AFRICAN AMERICAN	8 (9.30%)	9 (10.71%)
WHITE	78 (90.70%)	74 (88.10%)
Ethnicity		
Ethnicity	86 (100.00%)	84 (100.00%)

Output from
Visual PROC
REPORT

Auto generated code
(code generator can be
updated to leverage
newer languages and
packages)

```

Note Pre-Where Process Options Post Initialize Code Log Data Explorer Generator Module Graph
162 run;
163 /* PROC UNIVARIATE - Generate Stats */
164 proc univariate data=_reportingops_
165 by
166 COL_VAR_SORT1
167 COL_VAR1
168 COL_VAR_TITLE1 ;
169 var A_VAR1 ;
170 run;
171
172 /* PROC SQL - Merge n/N/PCT with Univ
173 data _reportingops_final;
174 merge _reportingops_sql _reportingops_univariate;

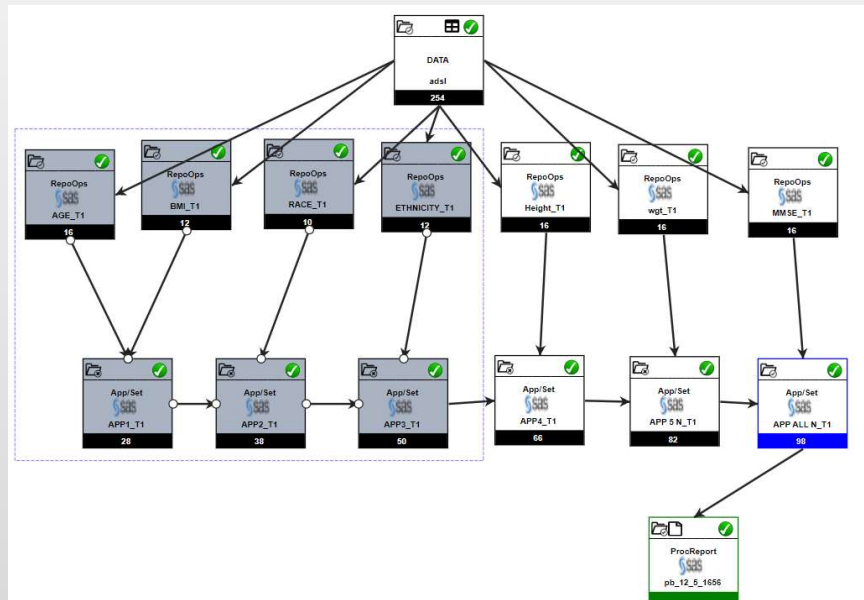
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Demonstration – Re-usability and GLIB Management

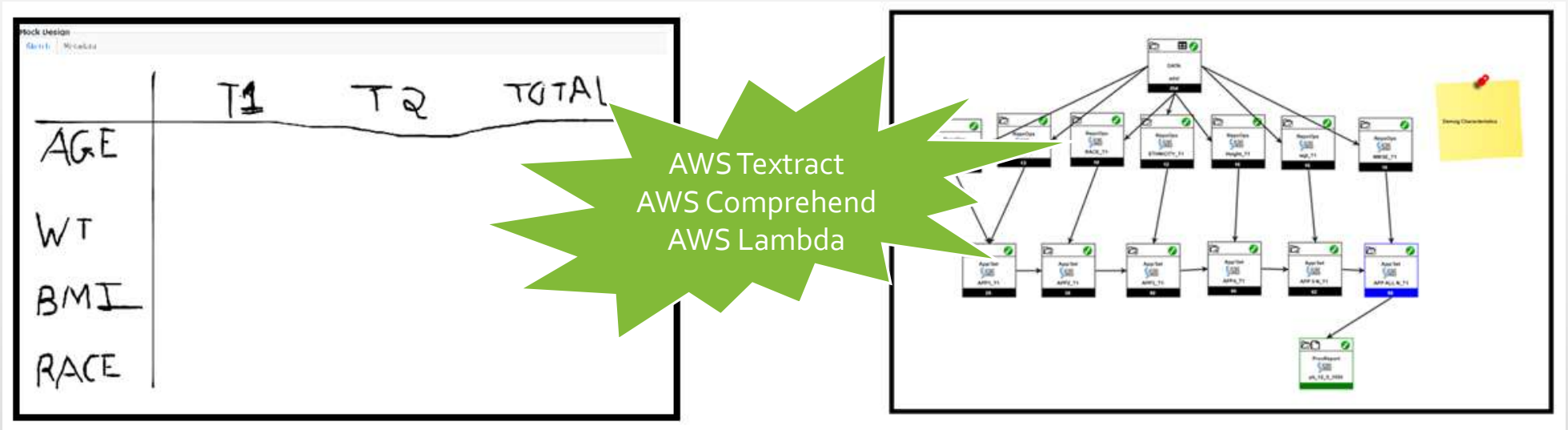
Select Process Flow or
Process Block(s)

Click Copy Option

Paste or Link within Study or
across Study

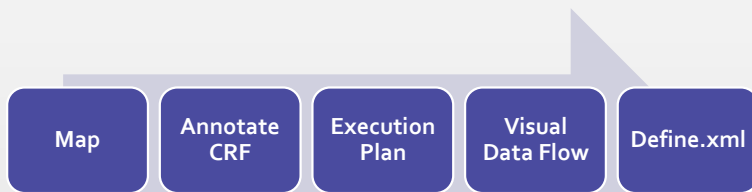


Demonstration – Transparent automation through micro-services

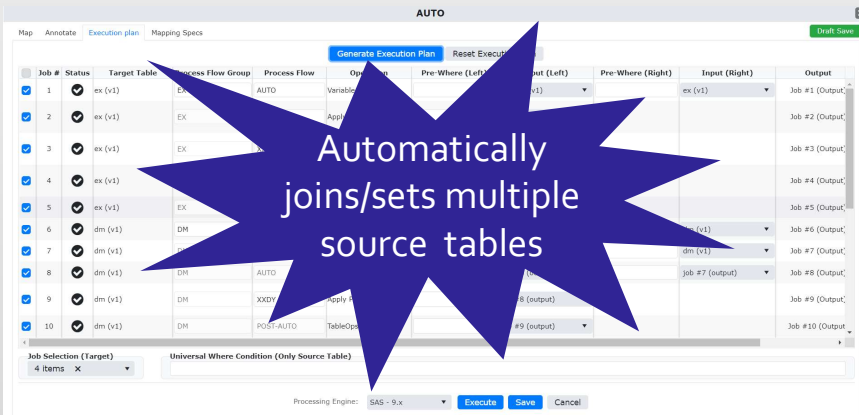


Demonstration – SDTM and ADaM Generation

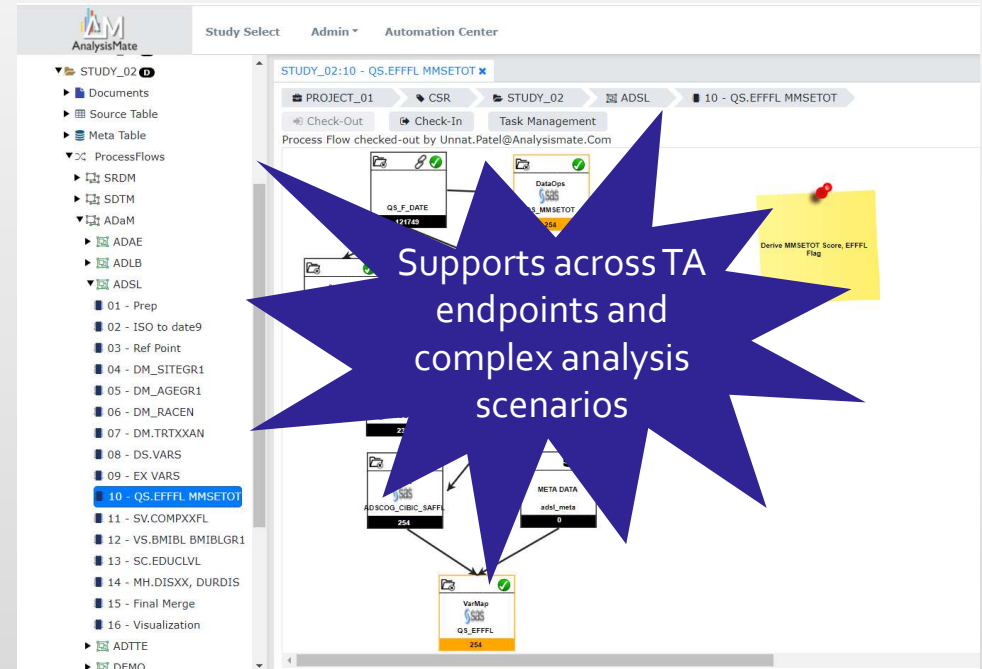
SDTM Mapping



Automatically joins/sets multiple source tables



ADaM Generation



AnalysisMate Use Cases

USE CASE		DETAIL
	Code Generator	Generate SAS and/or R code
	Double Programming/Validation	Verify manual programming
	Complex Data Review	Rapid, flexible data review
	EDC Agnostic Intelligent SDTM Mapping	Auto Map, Map using point-and-click and re-usable global library
	Ad Hoc Reporting	Quick turnaround when requests come in
	BDR, DMC, IA and CSR Reporting	Support SDTM, ADaM and TLF Programming across TA
	Exploratory Analysis	Data driven ad hoc analyses

Summary

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- ☒ Quality
 - ☒ Speed
 - ☒ Resource Elasticity
 - ☒ Cost



Quality

- Fewer programming errors
- Simplified debugging



Speed

- Innovative code generator
- Higher first-time quality
- Intuitive exploratory data analysis



Resource Elasticity

- Easy knowledge transfer
- Quickly scale resources up and down



Cost

- Minimum of 30% programming efficiency
- Reduced costs by focusing high value programmers on high value activities

Thank You

Contact
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