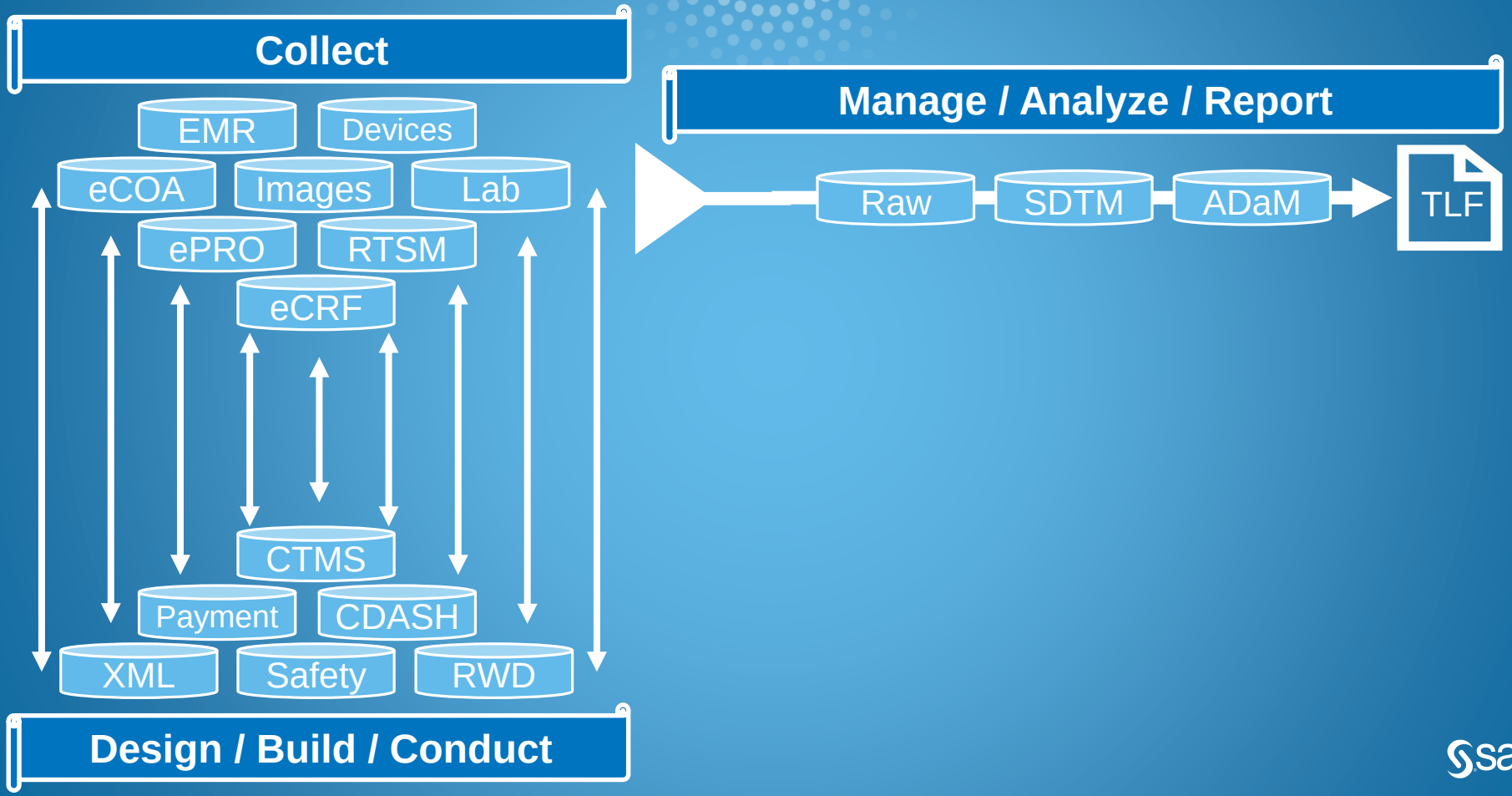
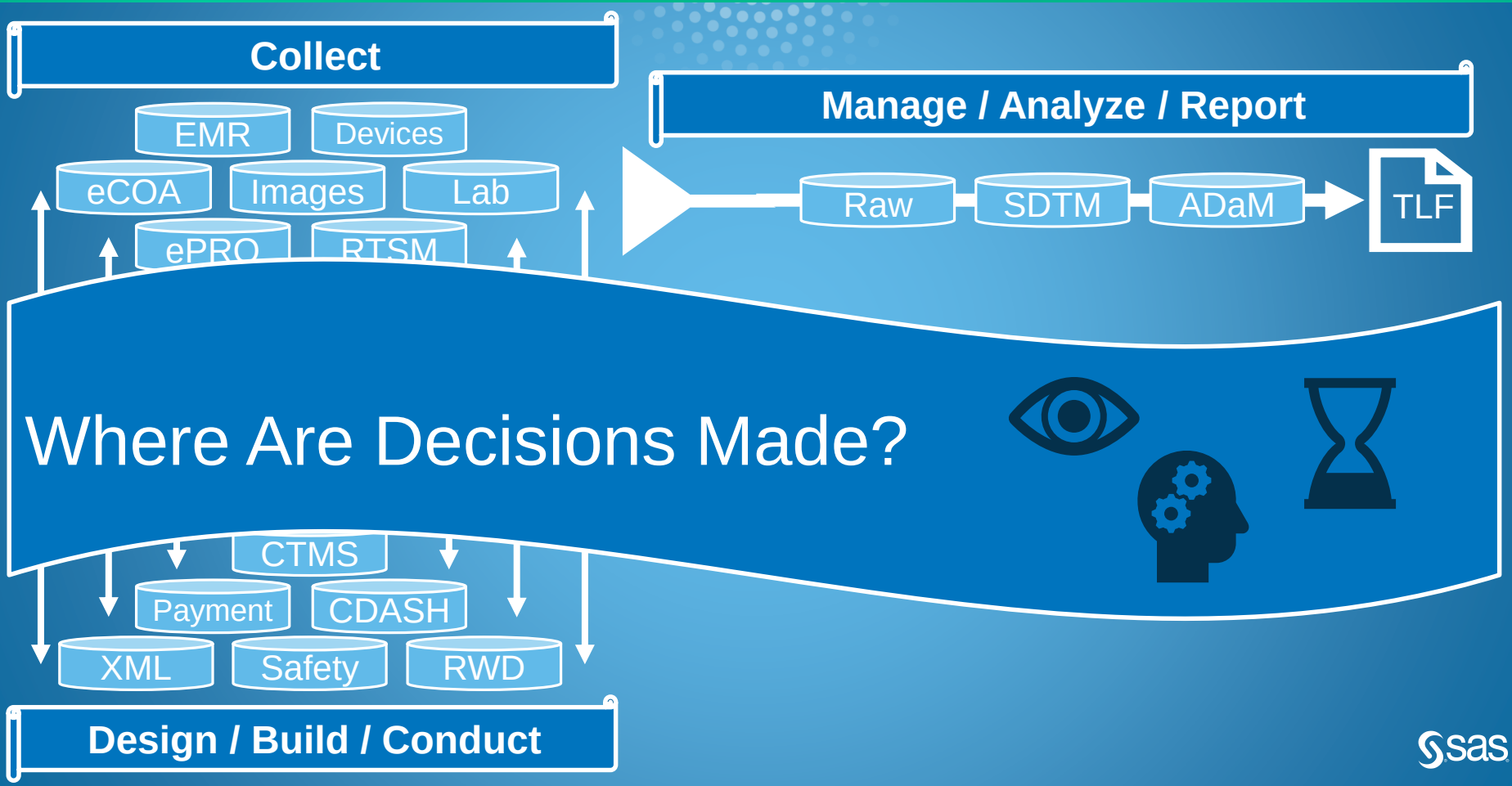
Technology should enable workflow by connecting systems and analytical methods

sas

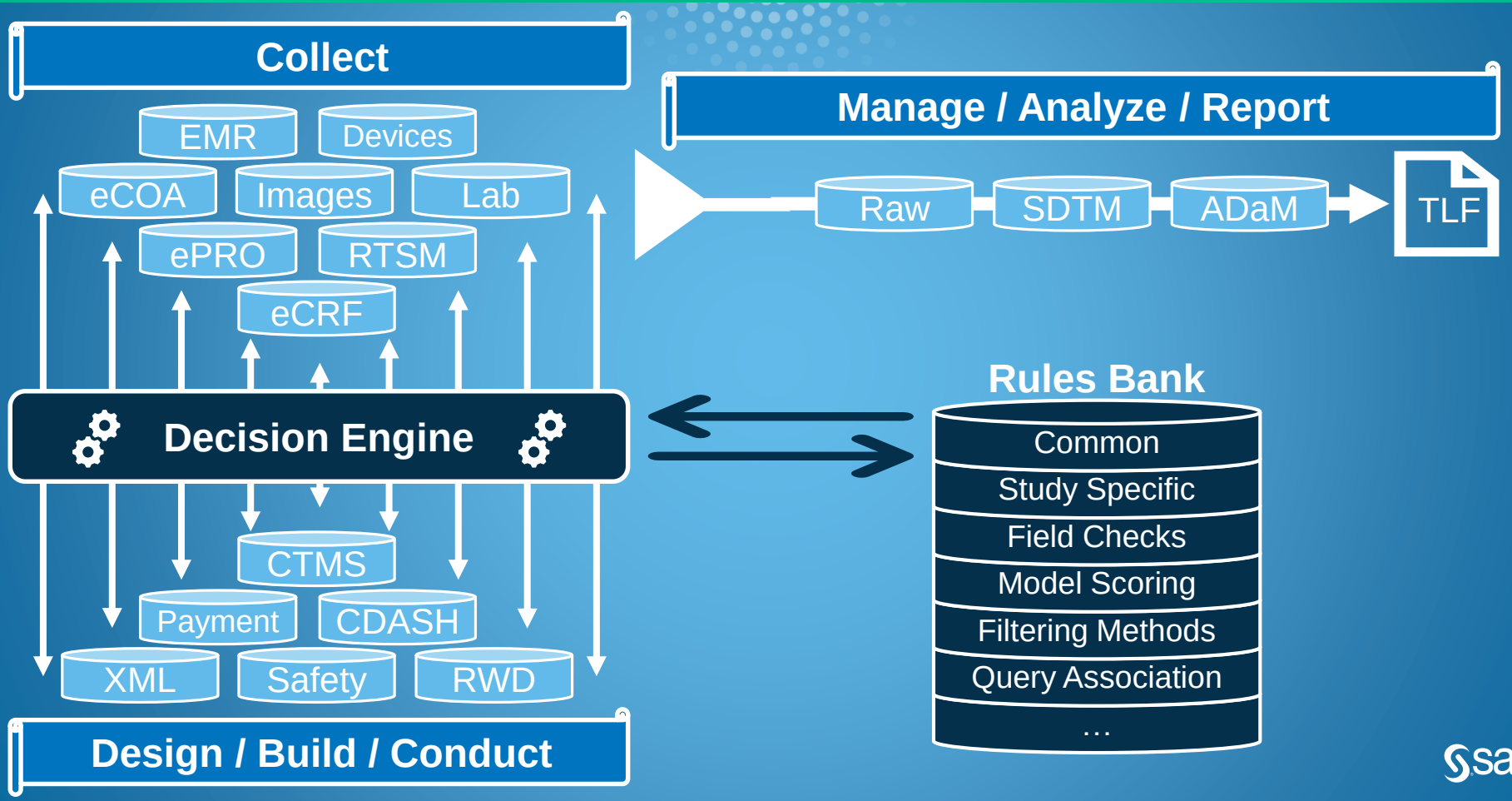
Goal: Automating Decisions



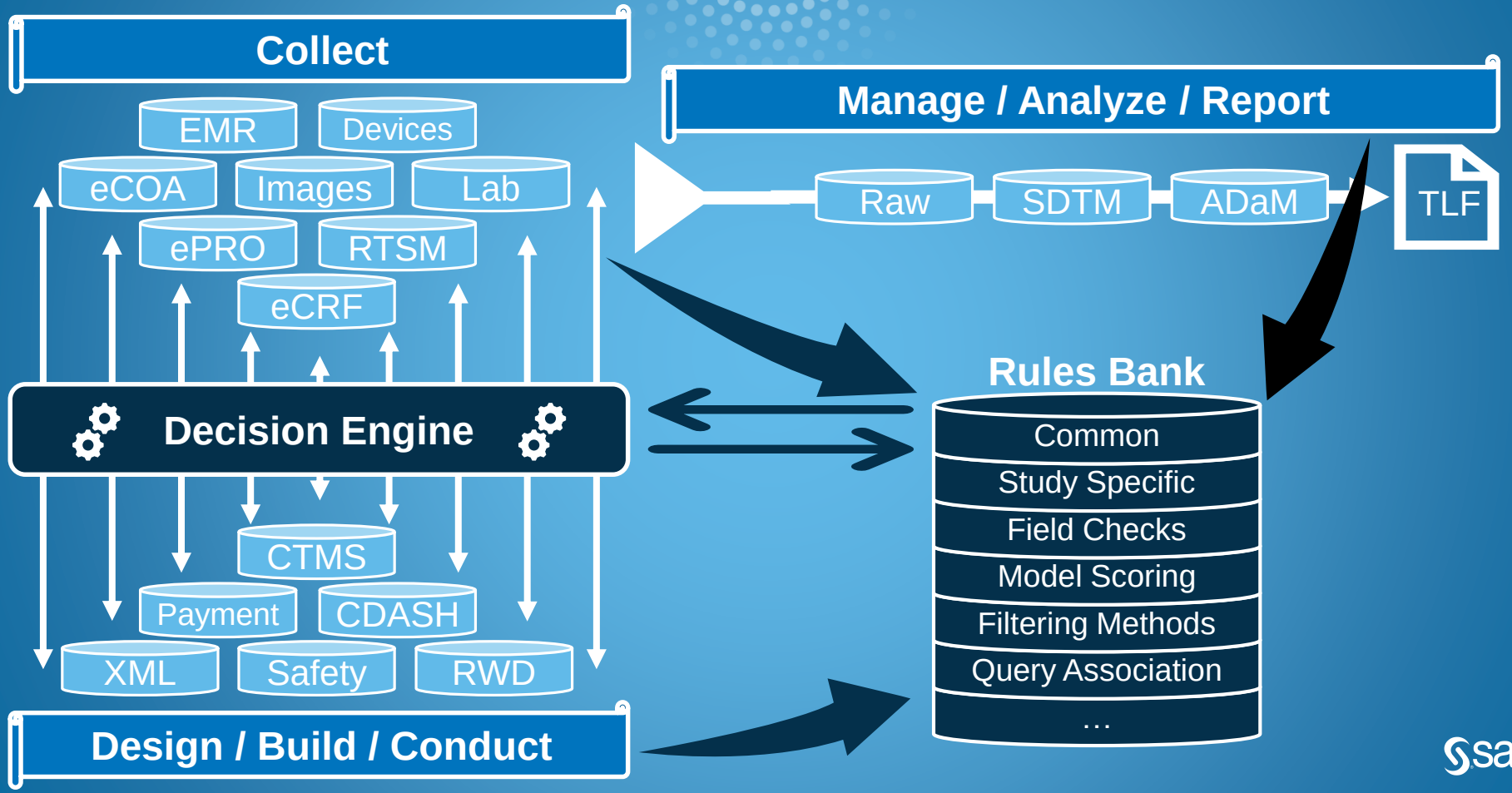
Goal: Automating Decisions



Goal: Automating Decisions



Goal: Automating Decisions



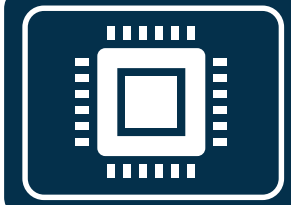
Goal: Automating Decisions

Rules Bank

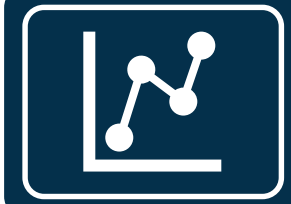
- Common
- Study Specific
- Field Checks
- Model Scoring
- Filtering Methods
- Query Association
- …

Checks: Translate business knowledge to *if-then-else* rules.

Query Association: Take previous query logic and detect new entries that may also match.



Filtering Methods: Bayesian Filters for more dynamic field level edit checks. Use RWD to build priors for trial cohort (Inclusion/Exclusion).



Models: Machine Learning Techniques for anomaly detection like Isolation Forest, Support Vector Data Description, Moving Windows PCA, Clustering techniques.

Thank You!

Mike Henderson
SAS Healthcare and Life Sciences Customer Advisory Leader

Mike.Henderson@sas.com

https://www.linkedin.com/in/statmike/

https://www.statmike.com (Slides to be posted)

https://www.github.com/statmike