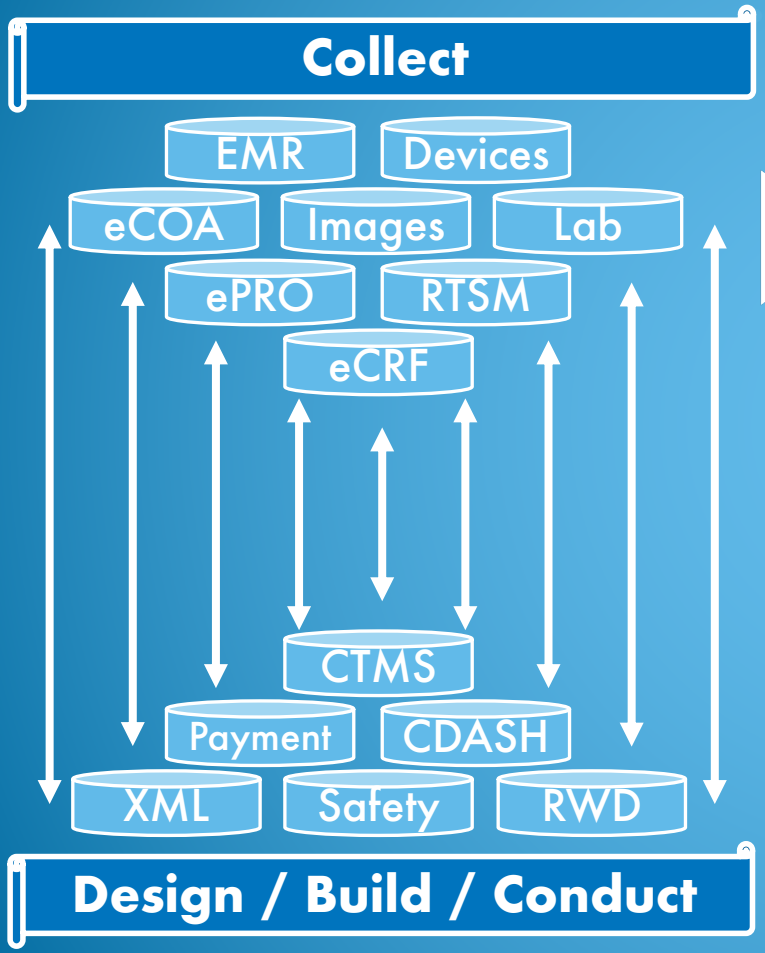
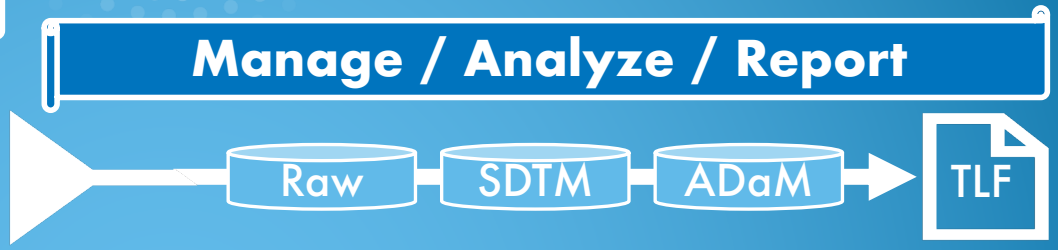
Technology should enable workflow by connecting systems and analytical methods

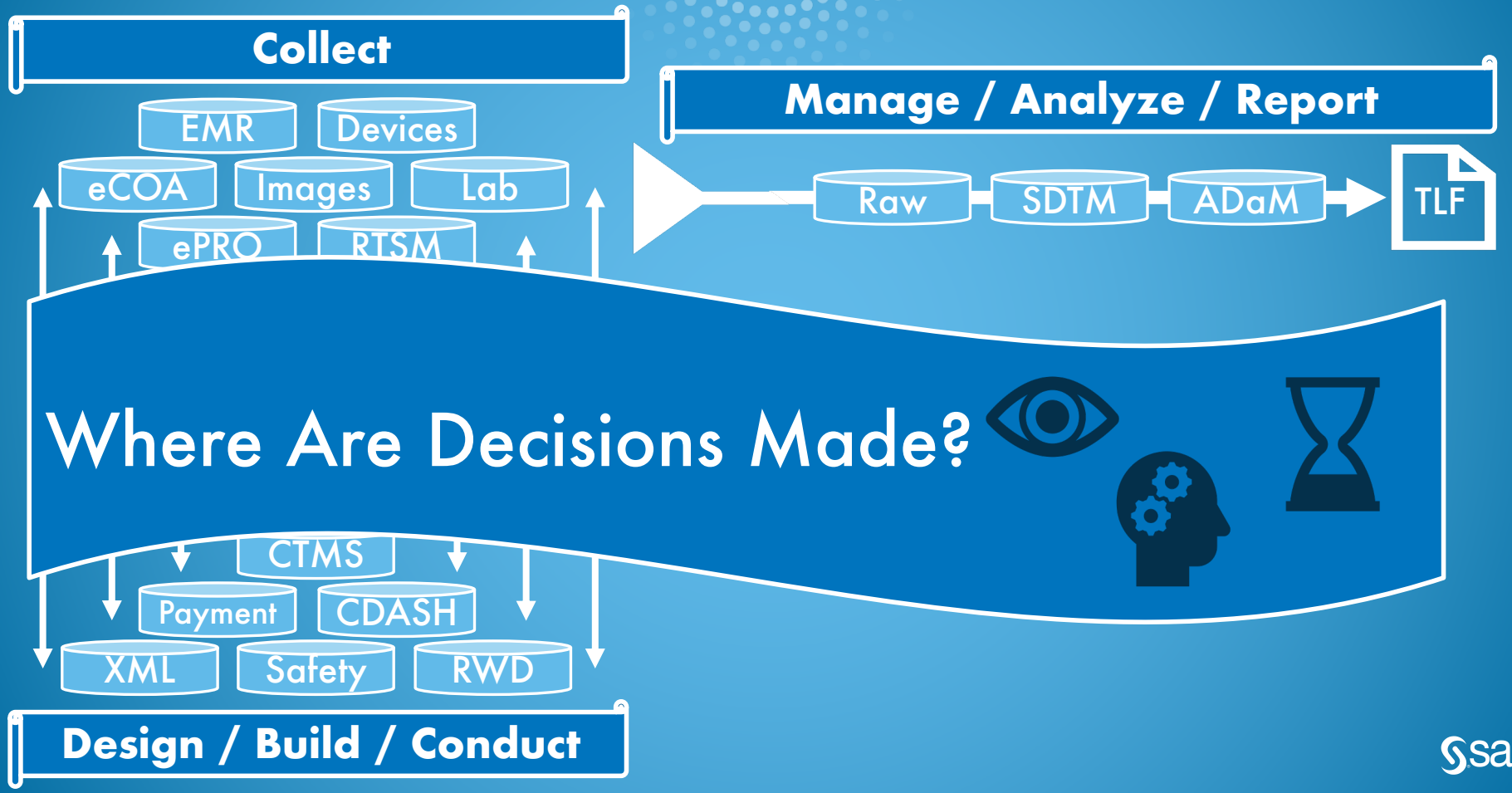
sas

Goal: Automating Decisions





Goal: Automating Decisions



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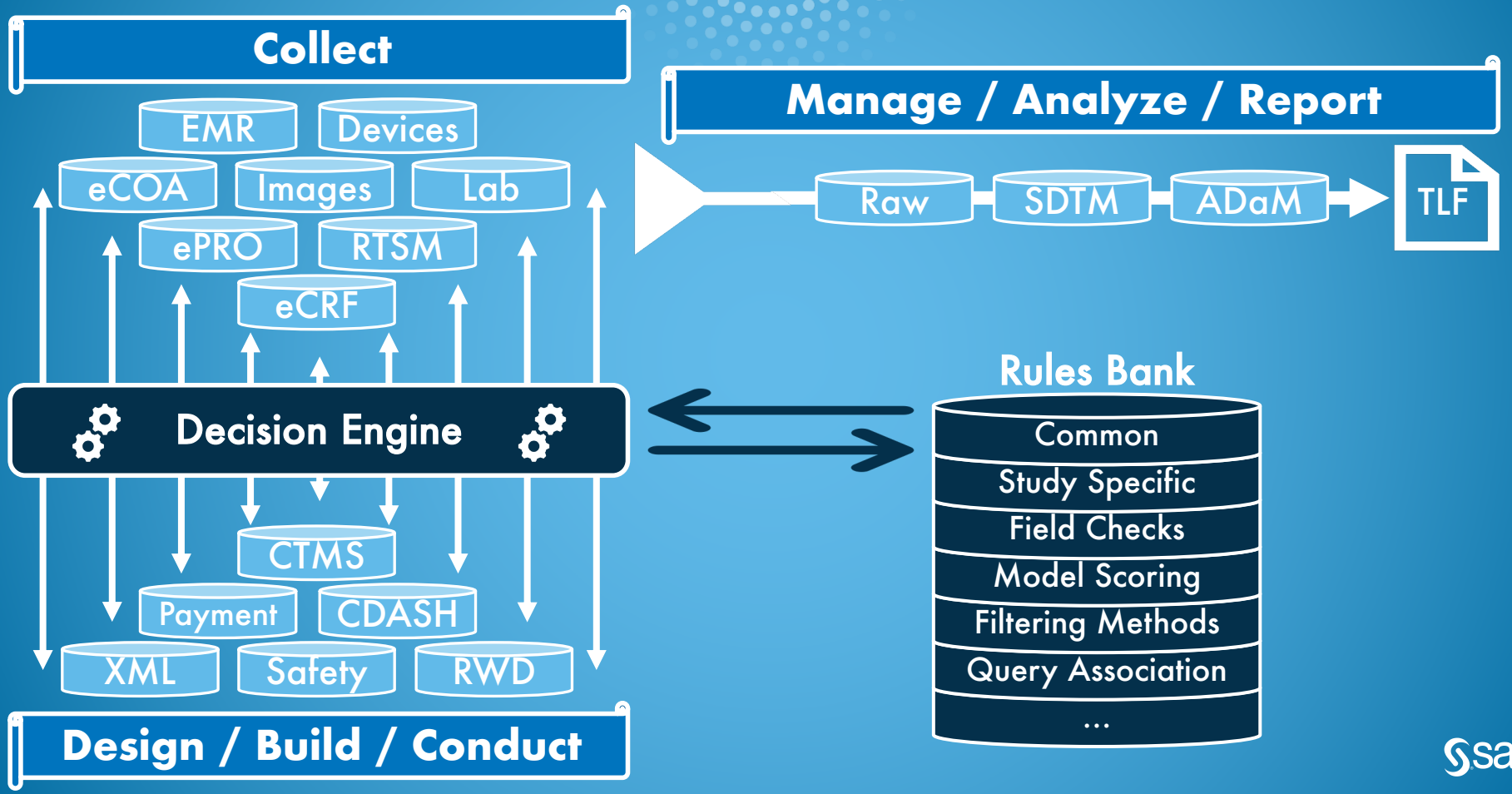
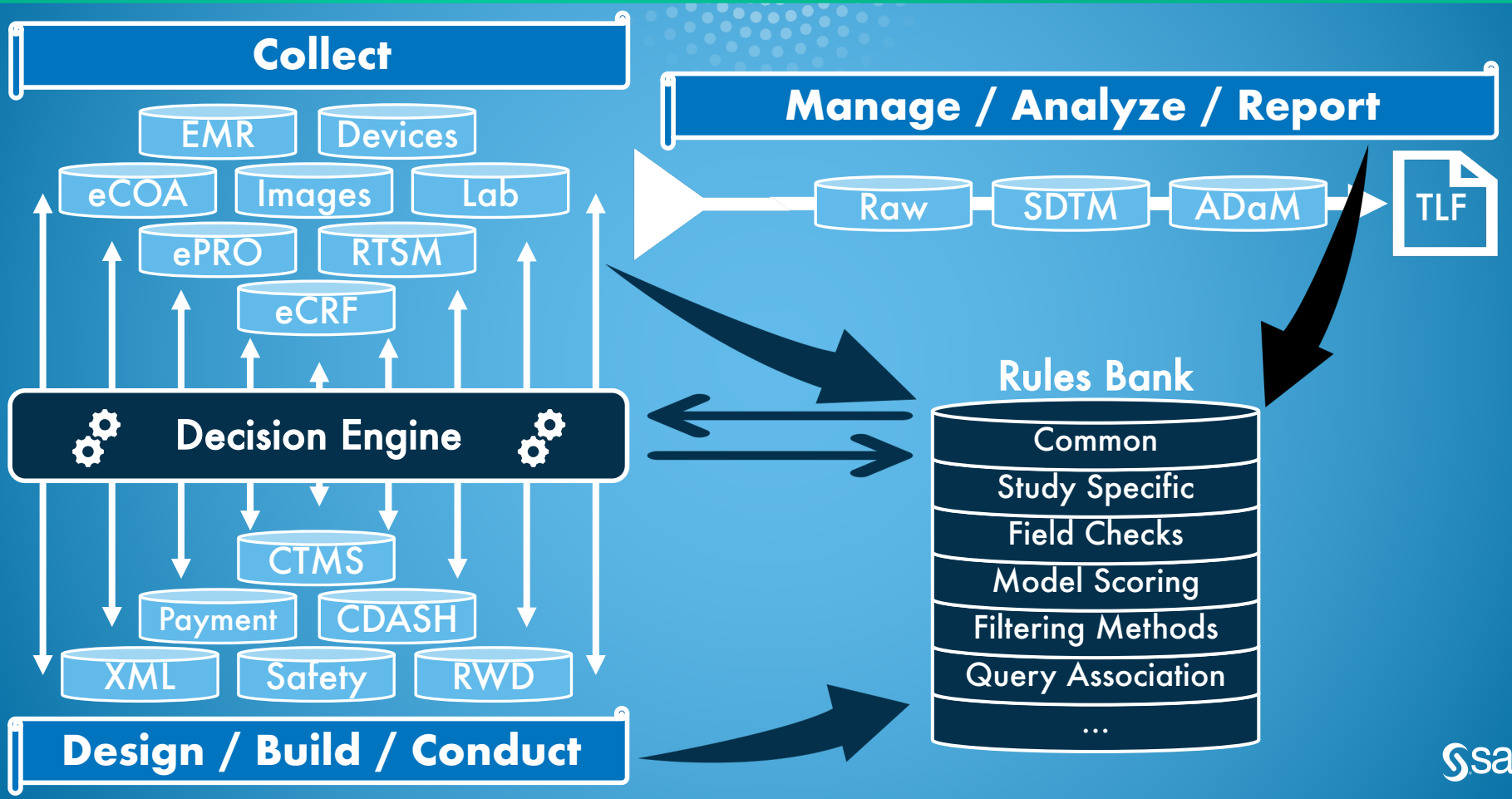
Goal: Automating Decisions



Goal: Automating Decisions



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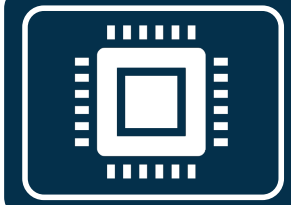
Goal: Automating Decisions

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.

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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