

Panning For Insight

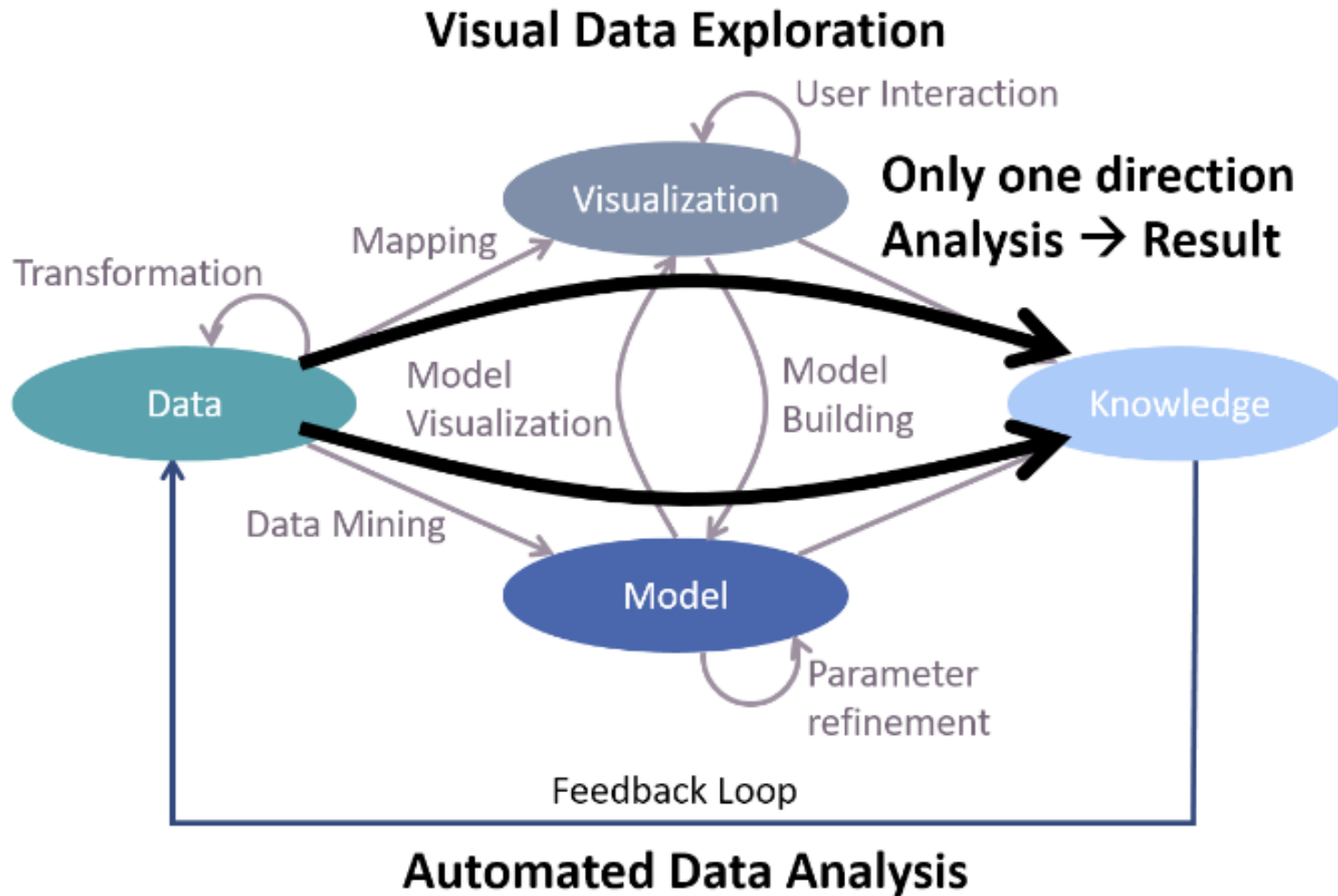
Amplifying Insight through Tight
Integration of Machine Learning, Data
Mining, and Visualization

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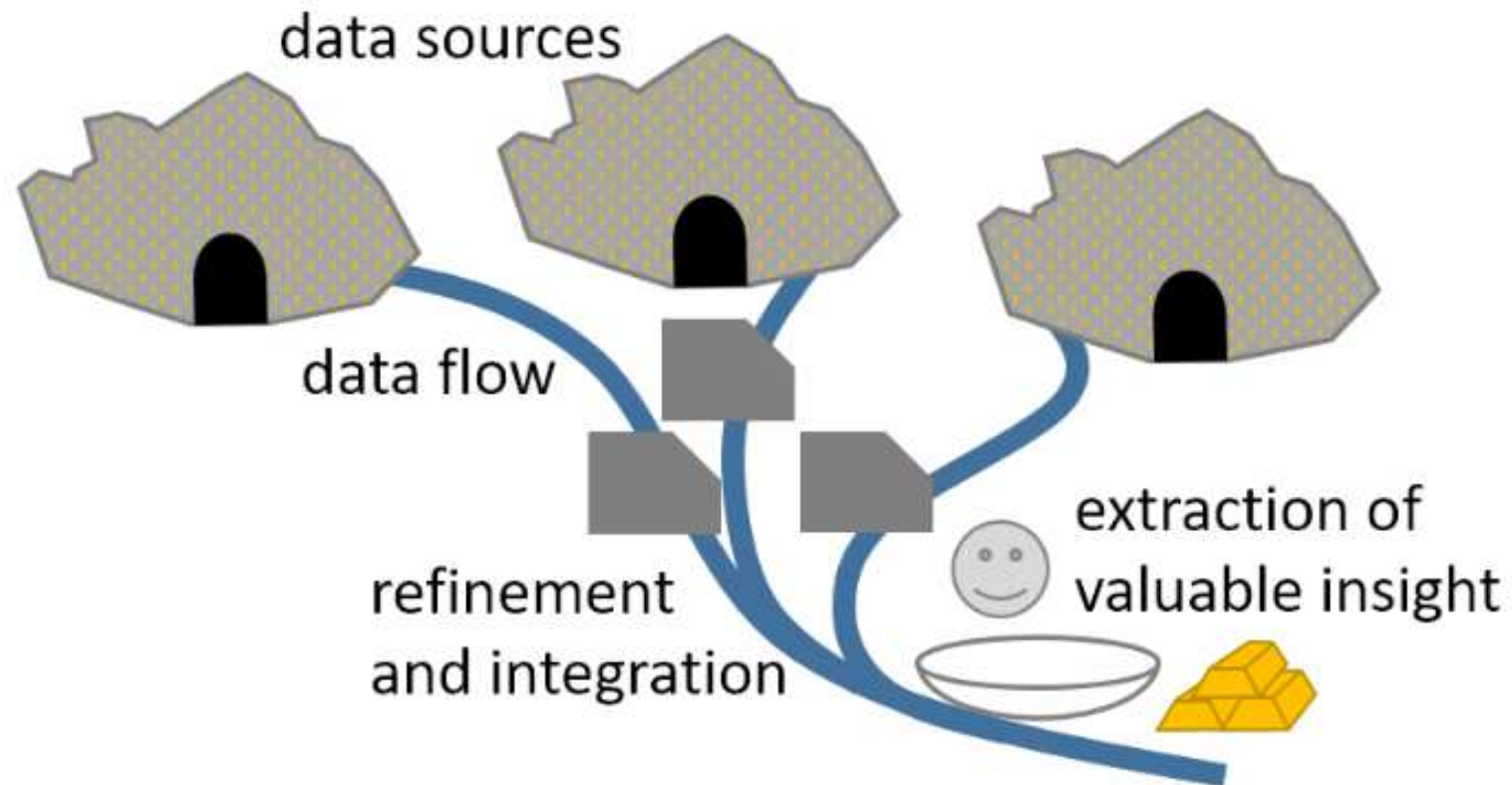
Classical Model

Visual Analysis (Keim et al.)



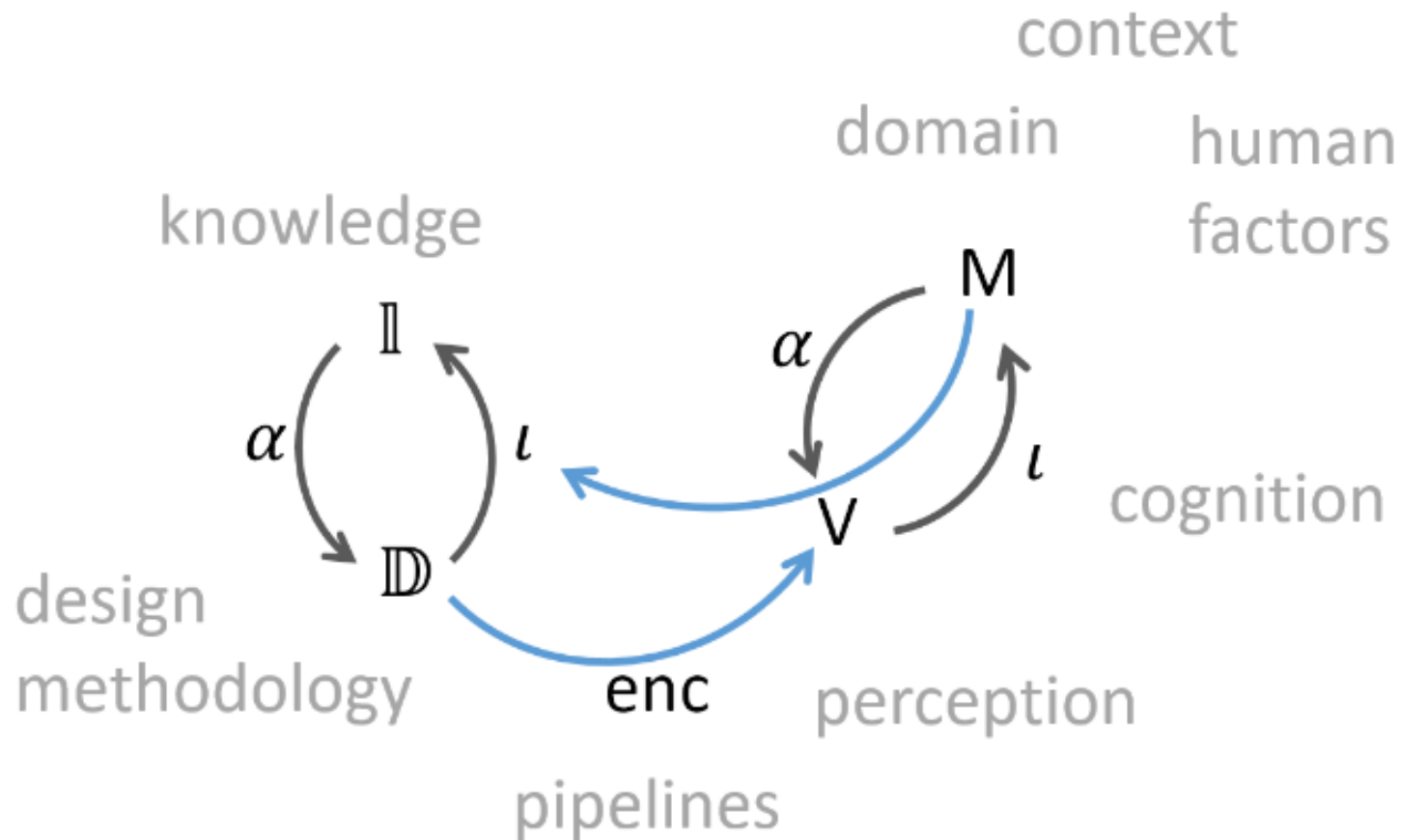
Analogy

Panning for Gold



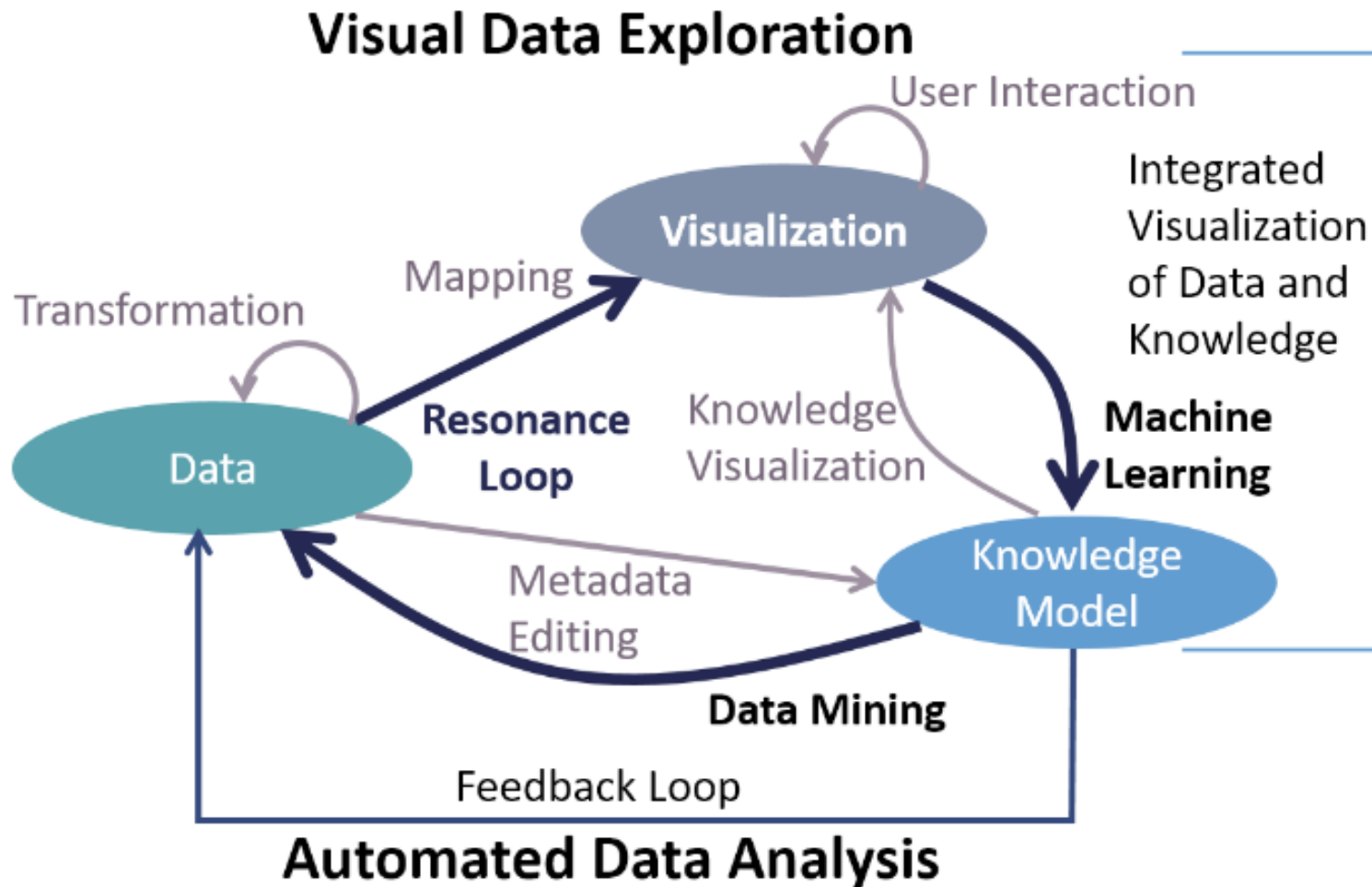
Information-Centric View

Actually Transports Information to Information



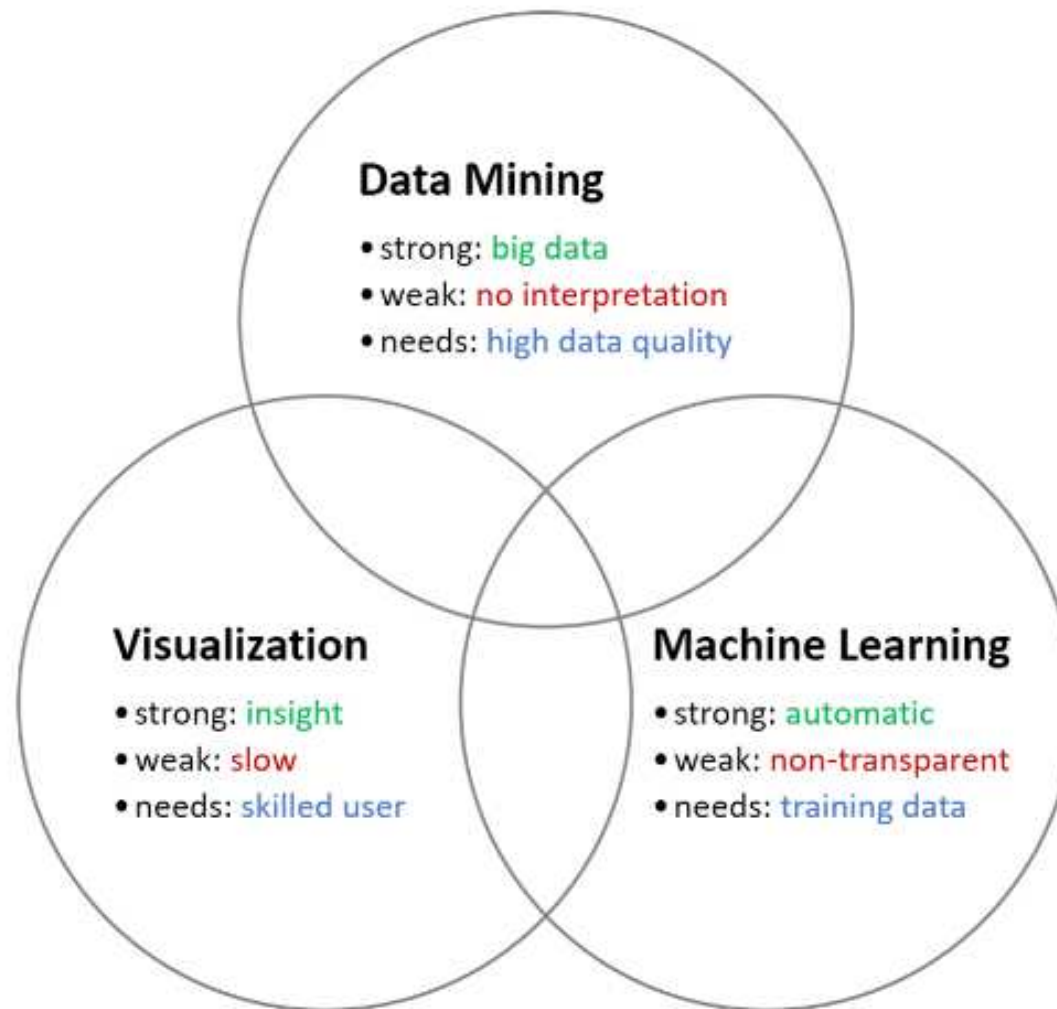
Refined Workflow

Install a Loop



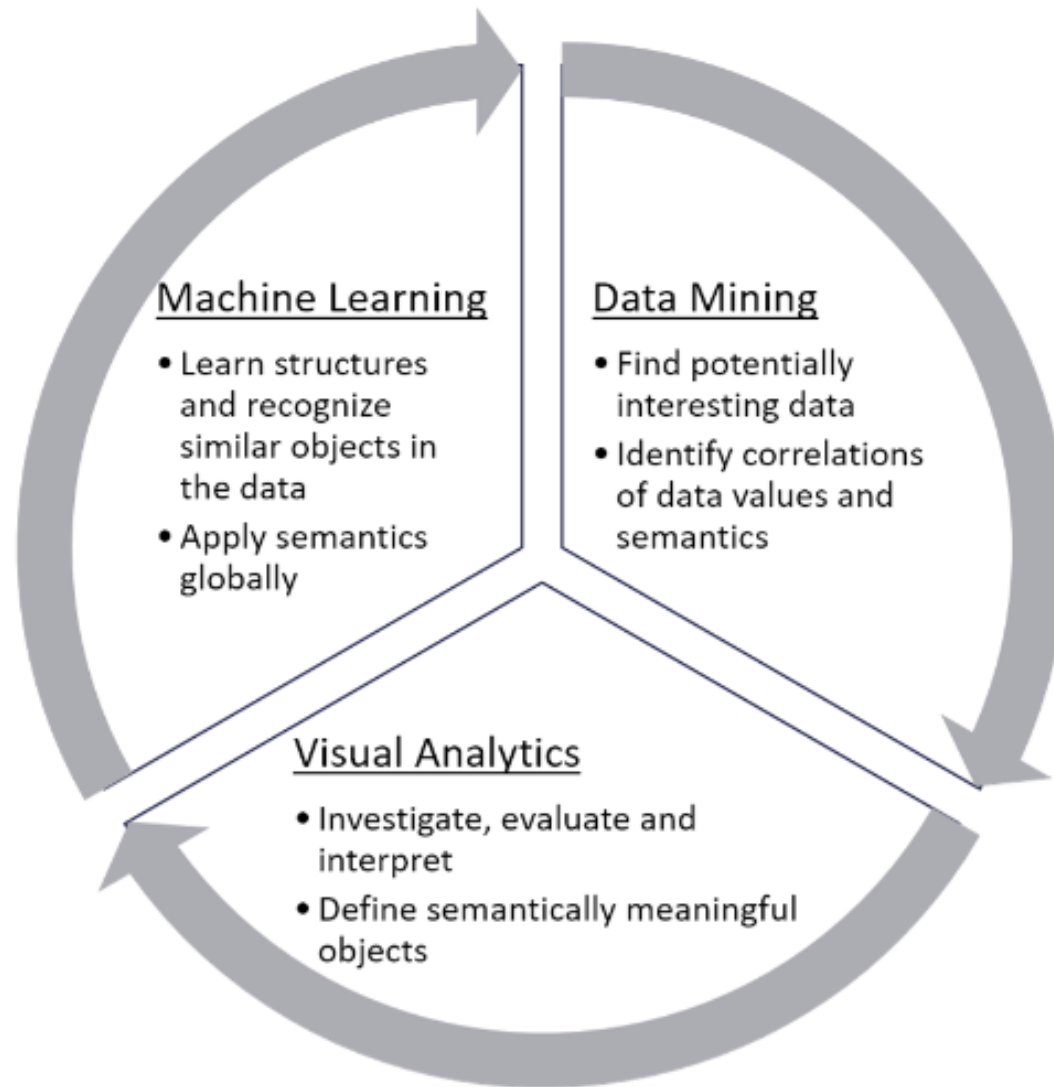
Sweet Spot

Leverage the Strengths



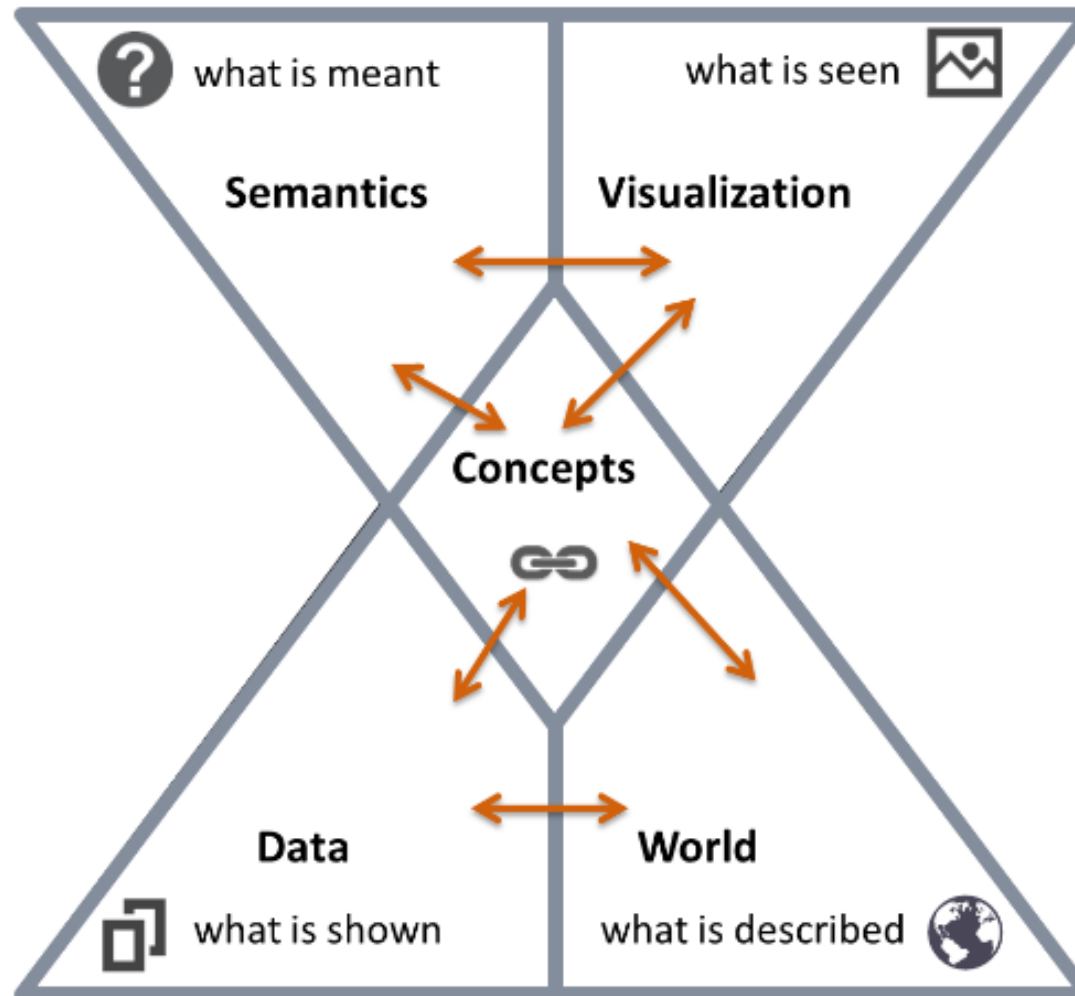
Loop Workflow

Assign Clear Roles



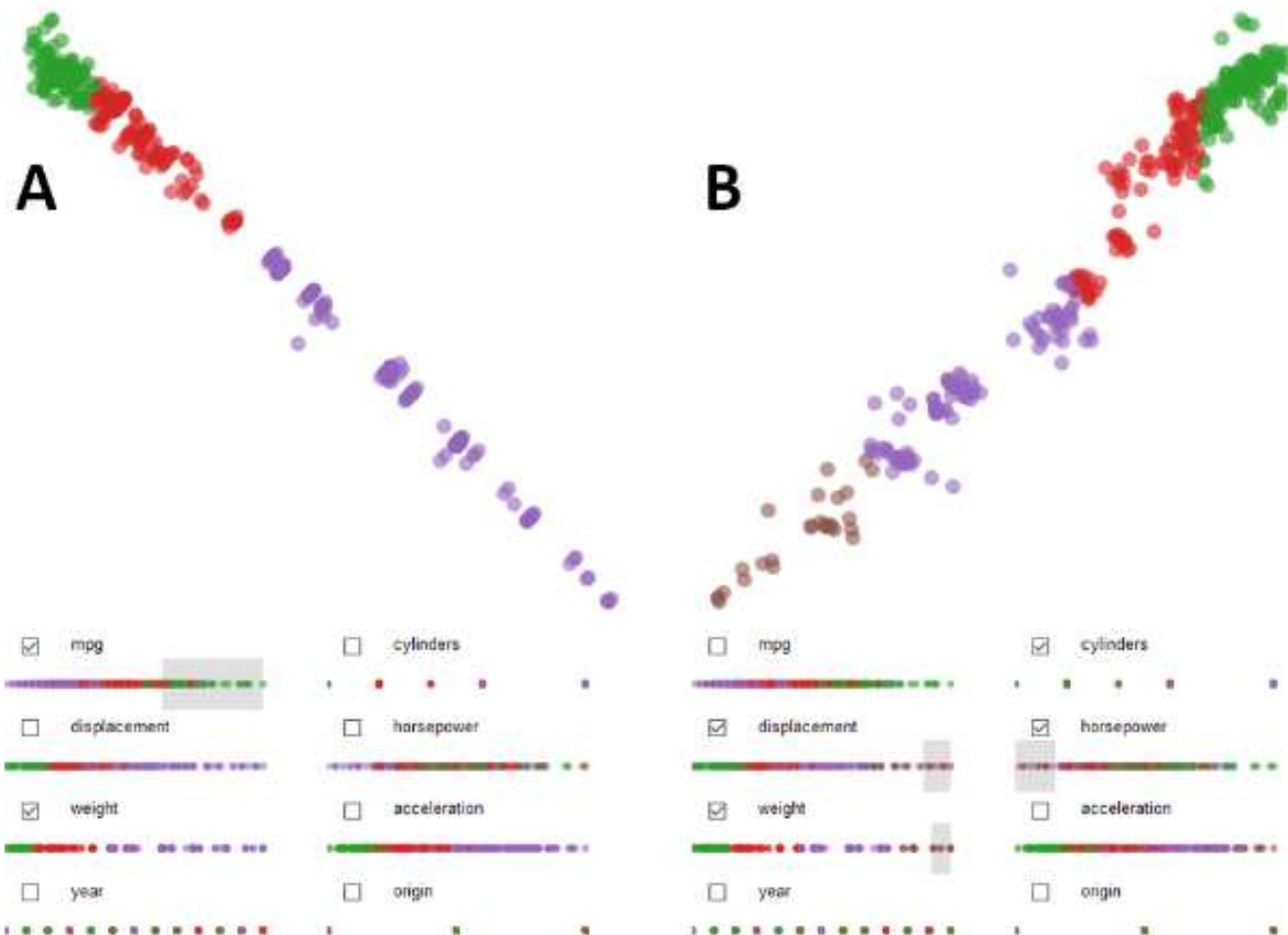
(Meta)Data Structure

How to make the reintegration work



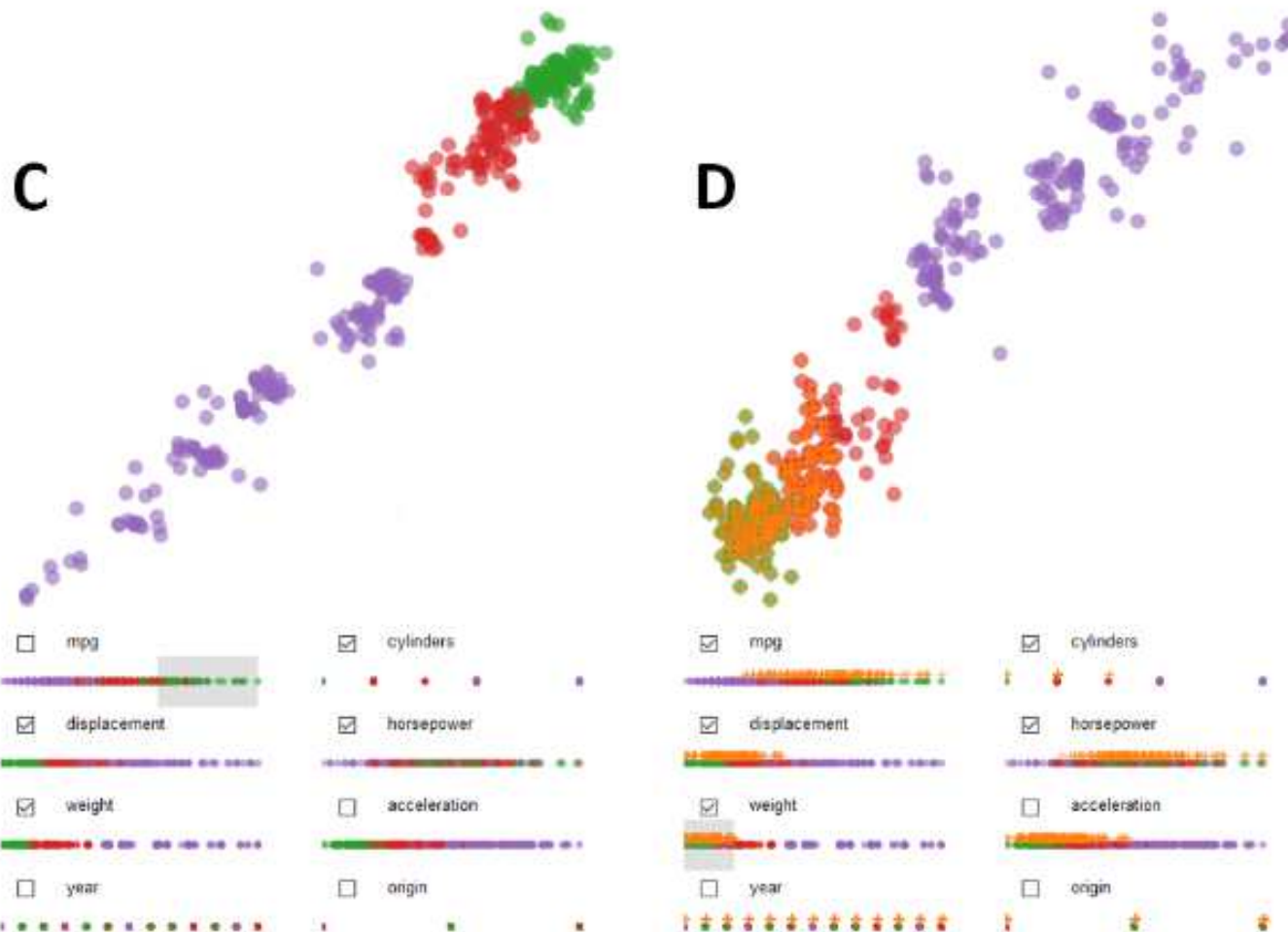
Application

Semantics-Focused Analysis



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Semantics-Focused Analysis



Summary

Reintegrate the Talk's Insights into the Audience

- insights are discovered, not mined
- reintegrating knowledge makes it accessible for analysis
- information-focus reduces dimensions, introduces meaningful distances

Thank You!

Questions?