

3 Ways a Semantic Layer Helps Scale AI & BI

108

ENTERPRISE DATA LEADERS

A survey of 108 enterprise data leaders was conducted to understand the business impact of using a Semantic Layer.

The impact of a Semantic Layer falls into three categories.

1 SPEED **2** SCALE **3** COST

SPEED

The Time to Actionable Insights

903 vs **484**
HOURS HOURS

Time to complete a typical data and analytics project

Time to complete the same project using a Semantic Layer

46% reduction in the level of effort

4.2X DATA PREP TIME IMPROVEMENT

4.5X↓

Decrease in time to generate insights

SCALE

The Throughput of Insights and Analytics Creation

4.0X → **4.8X** → **4.5X**

Improvement in metrics consistency

Increase in the number of available data sources

Improvement in the number of self-service users

COST

The Resources Required to Transform Data Sources Into Actionable Insights

550
HOURS
↓
300
HOURS

A 45% reduction in time required for a typical project

For a 1,000 hour project requiring resources that cost \$200/hour

\$90K
SAVINGS

18%
DATA PREP COST REDUCTION

A 350 hour data prep project takes only 287 hours with a Semantic Layer

A Semantic Layer allows enterprises to power speed and scale while controlling costs.

“For a data scientist, a Semantic Layer simplifies data preparation and feature creation with no/low code feature design. This enables the governed exploration of model generated insights, thereby accelerating the time to value for common and critical business processes in the enterprise.

CHIEF DATA SCIENTIST
Siemens

SOURCE: Prashanth Southeikal, Ph.D., MBA, Managing Principal, DBP Institute: "The Business Impact of Using a Semantic Layer for AI & BI"

For more insights into how a semantic layer helps organizations increase time-to-insights, improve scalability, and reduce costs download the full report.

[GET THE REPORT »](#)

