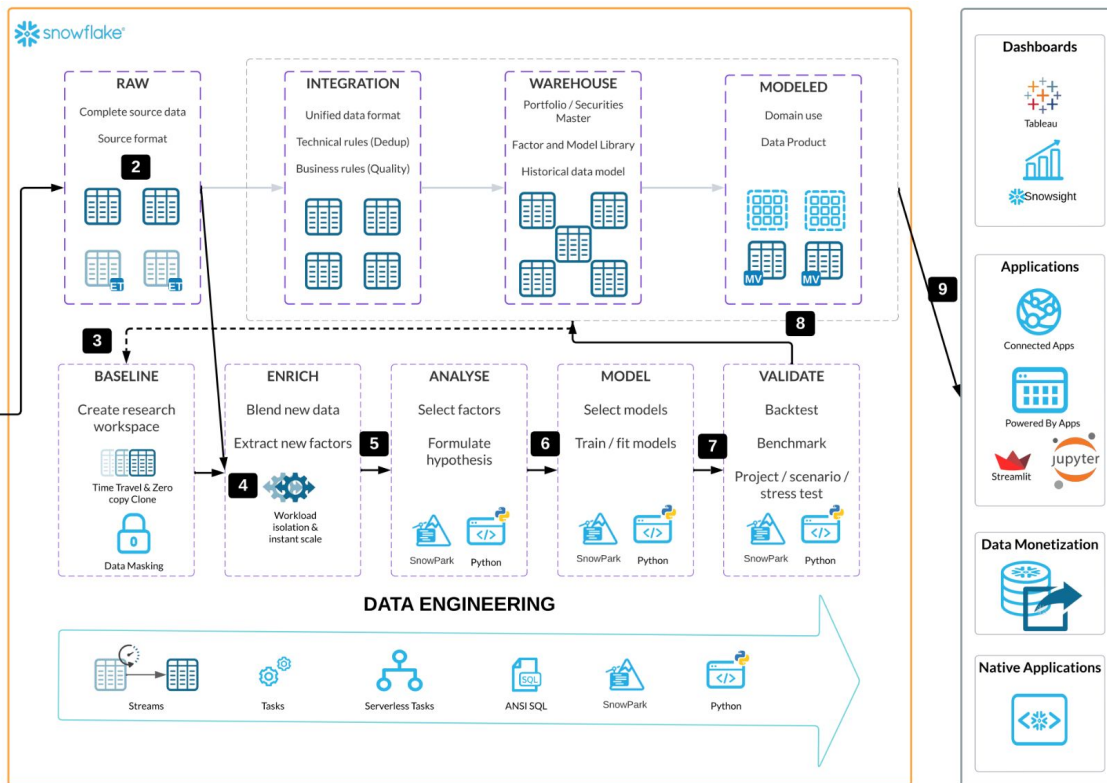


# QUANTITATIVE RESEARCH REFERENCE ARCHITECTURE



## OBJECTIVE

Snowflake's platform enables portfolio managers to quickly and easily access and analyze large volumes of data, helping them gain insightful and timely information to make more informed decisions.

## DESCRIPTION

- 1 Acquire datasets from internal sources and third-parties
- 2 Store data at scale in any format
- 3 Safely create a research workspace from the Production data pipeline baseline using Time Travel and Zero Copy clone
- 4 Enrich the research workspace with new data and extract factors
- 5 Select factors for modeling and establish financial hypothesis
- 6 Select modeling strategy and fit/train target models
- 7 Validate candidate models: backtest, benchmark, scenario projection testing
- 8 Store model results, including new factors, libraries and research data output, and update Production pipeline
- 9 Publish results to connected applications such as Portfolio Management Systems or Data Science notebooks, monetised datasets or Native Applications

## RELATED CONTENT

Webpage: [Quant Trading Post-Trade Analysis With Snowflake](#)