

Interactive Analytics: Bringing Tableau Data to Life with Langchain

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About Me - Joseph Fluckiger



- Work: Principal Software Engineer @ Tableau (Salesforce)
- Background: Software, Gen AI
- FOSS: Python, Machine Learning, Life Sciences, Cloud Devops
- First Gaming Platform: TI-85 Calculator
- Socials:
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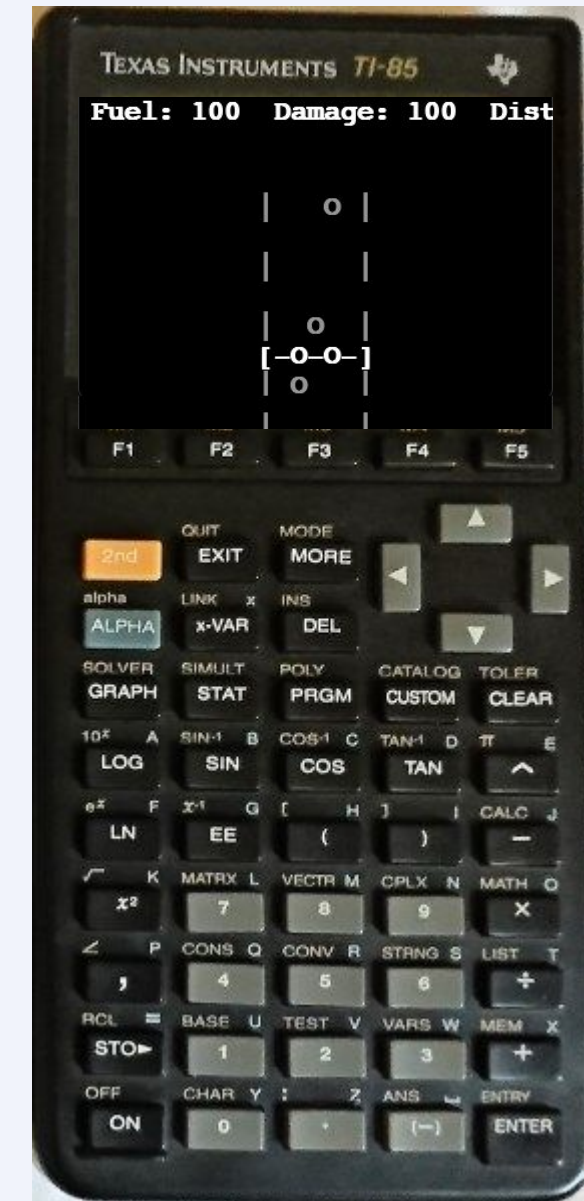
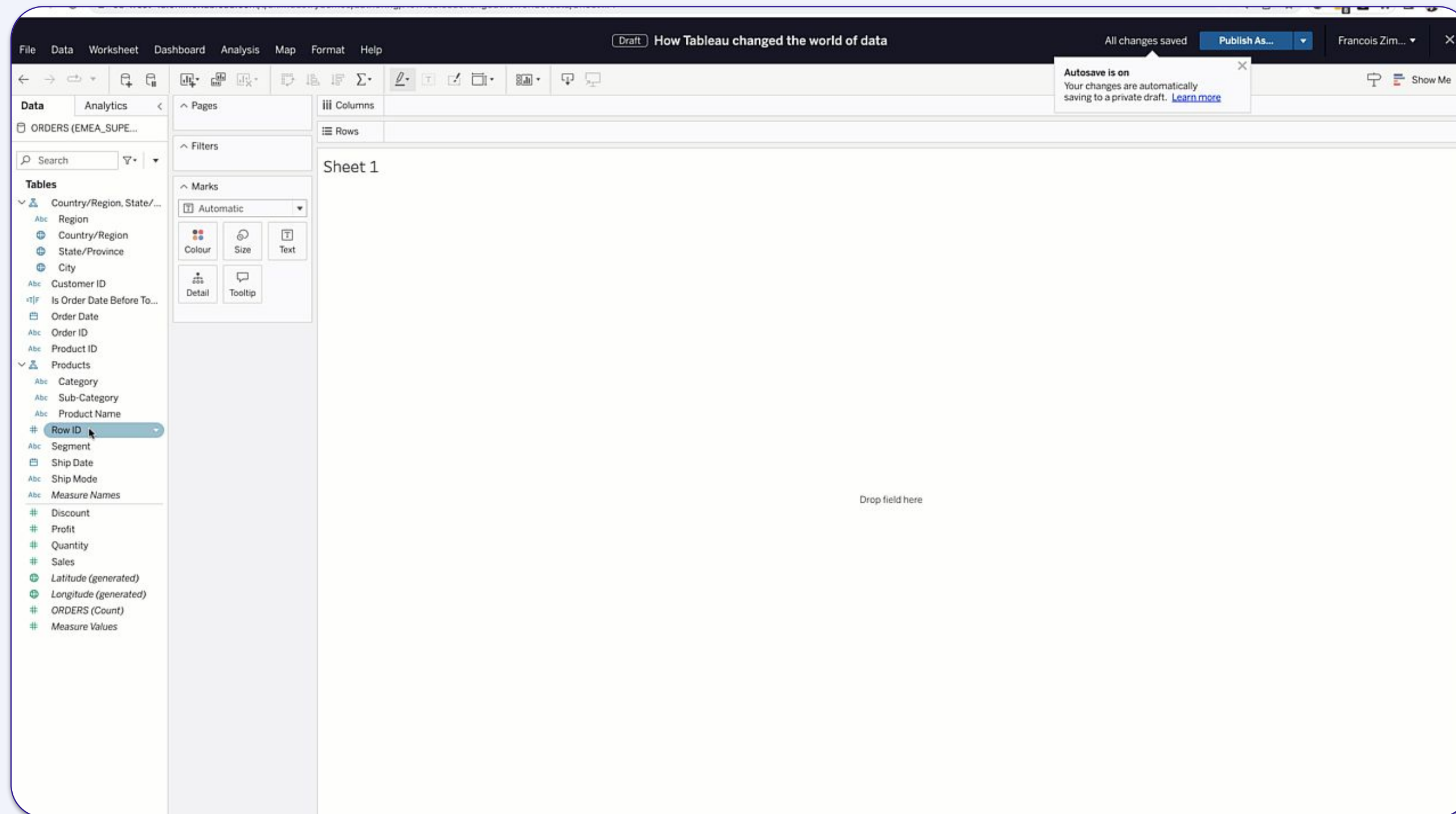


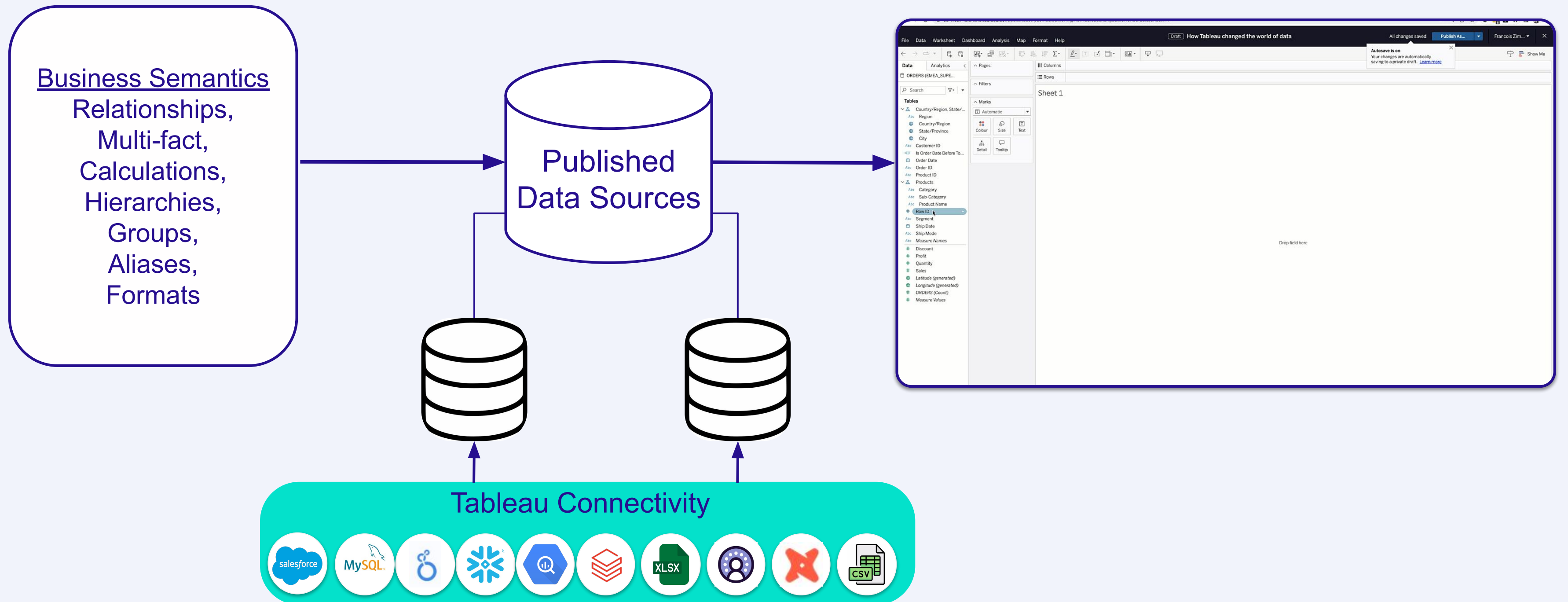
Tableau is Famous for its Ease of Use



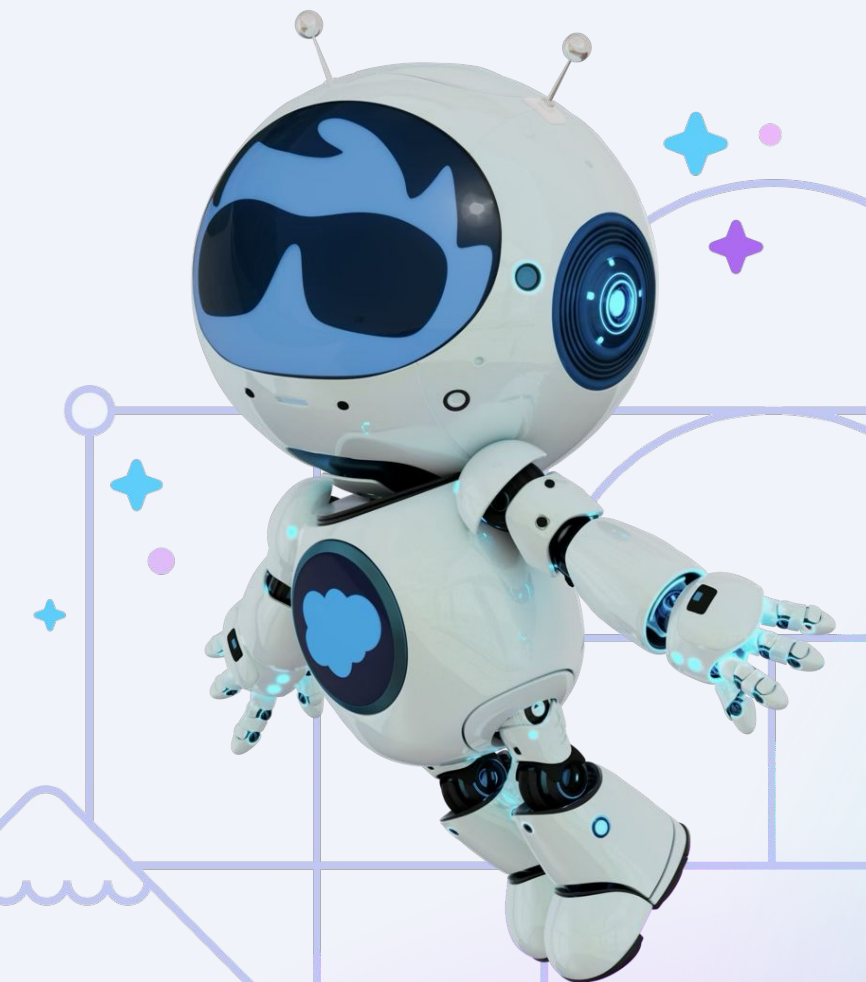
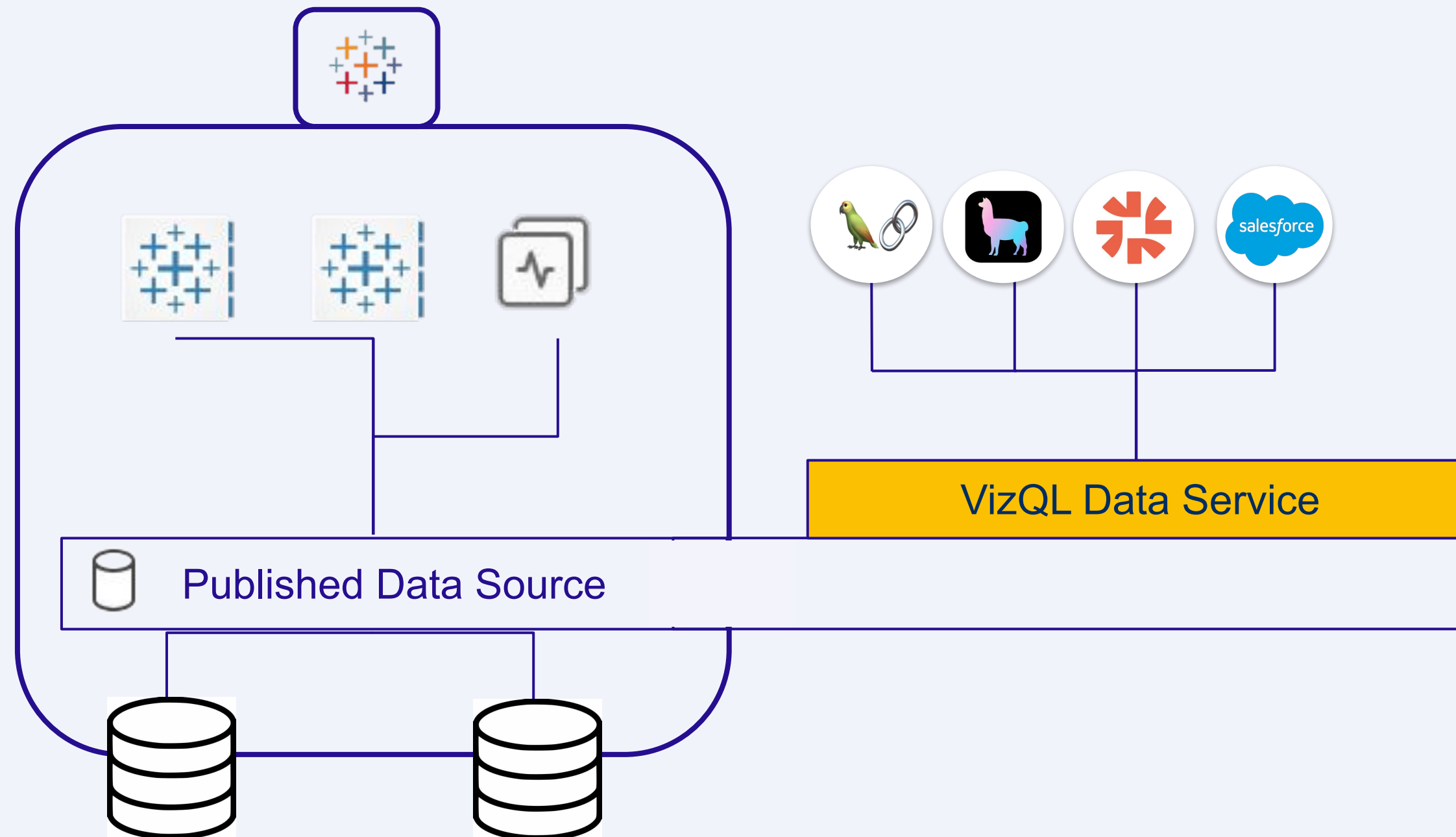
Empowering organizations of all sizes to learn insights from their data



Historically, Semantic Modeling in Tableau was only in Service of Visual Exploration



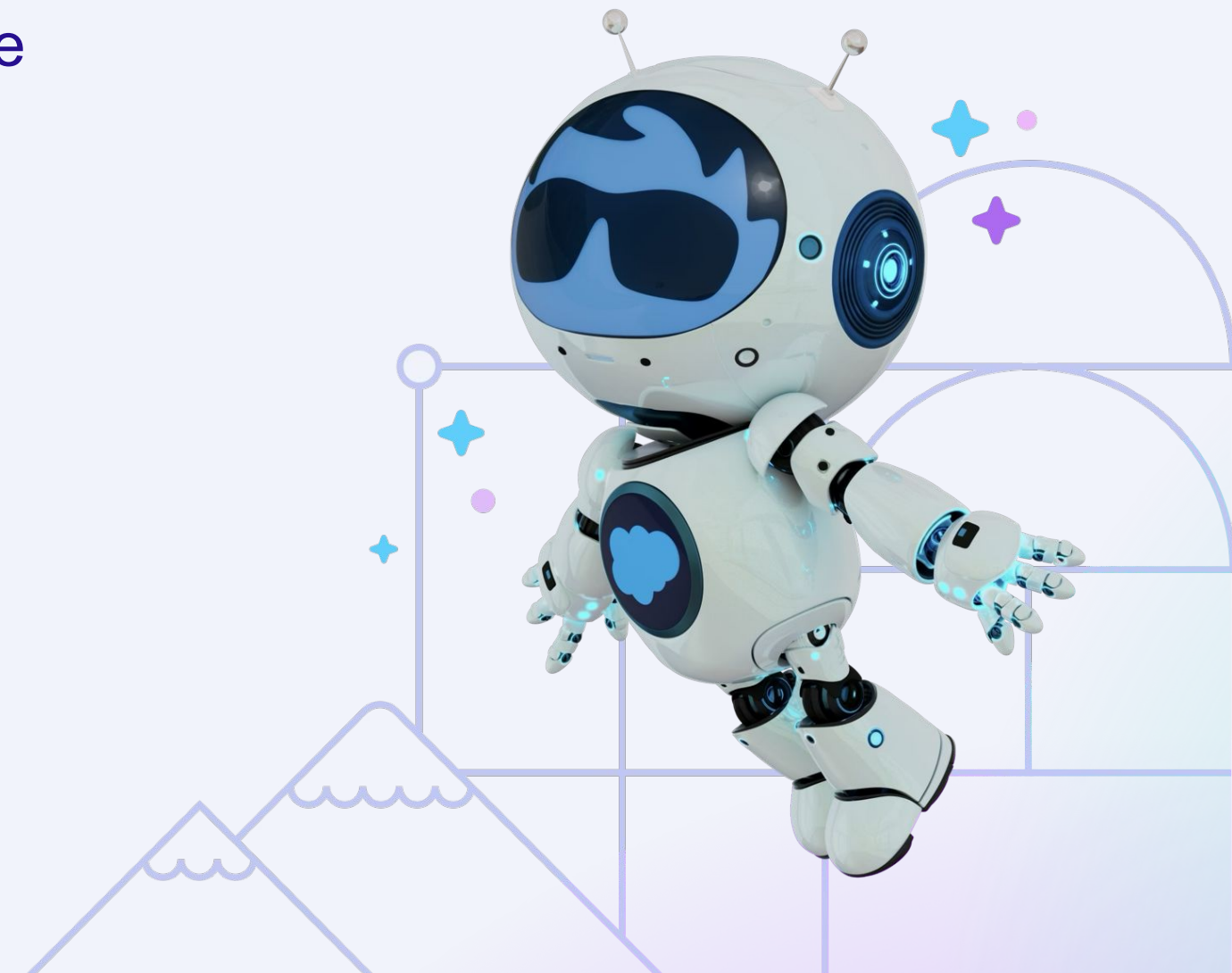
New VizQL Service enables powerful workflows with LangChain



What is VizQL Data Service?

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- A new Tableau service that sits alongside our existing REST services
- Accessed via HTTP and uses JSON as the content type
- Uses standard Tableau Authentication
- Two primary endpoints
 - Read Metadata - to get information about a Published Datasource
 - Query Datasource - to send a query to a Published Datasource
- Provides a simple, well defined API for Query Semantics
- Available on Tableau Server and Tableau Cloud in 2025.1



Use Tableau Community Packages for Langchain

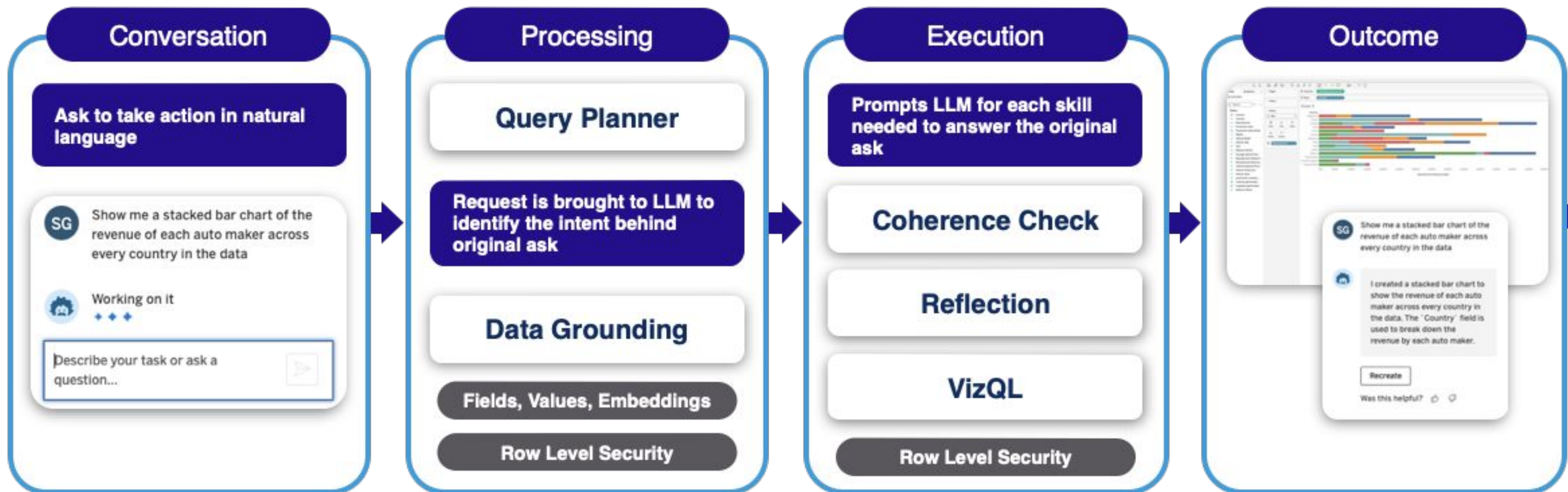


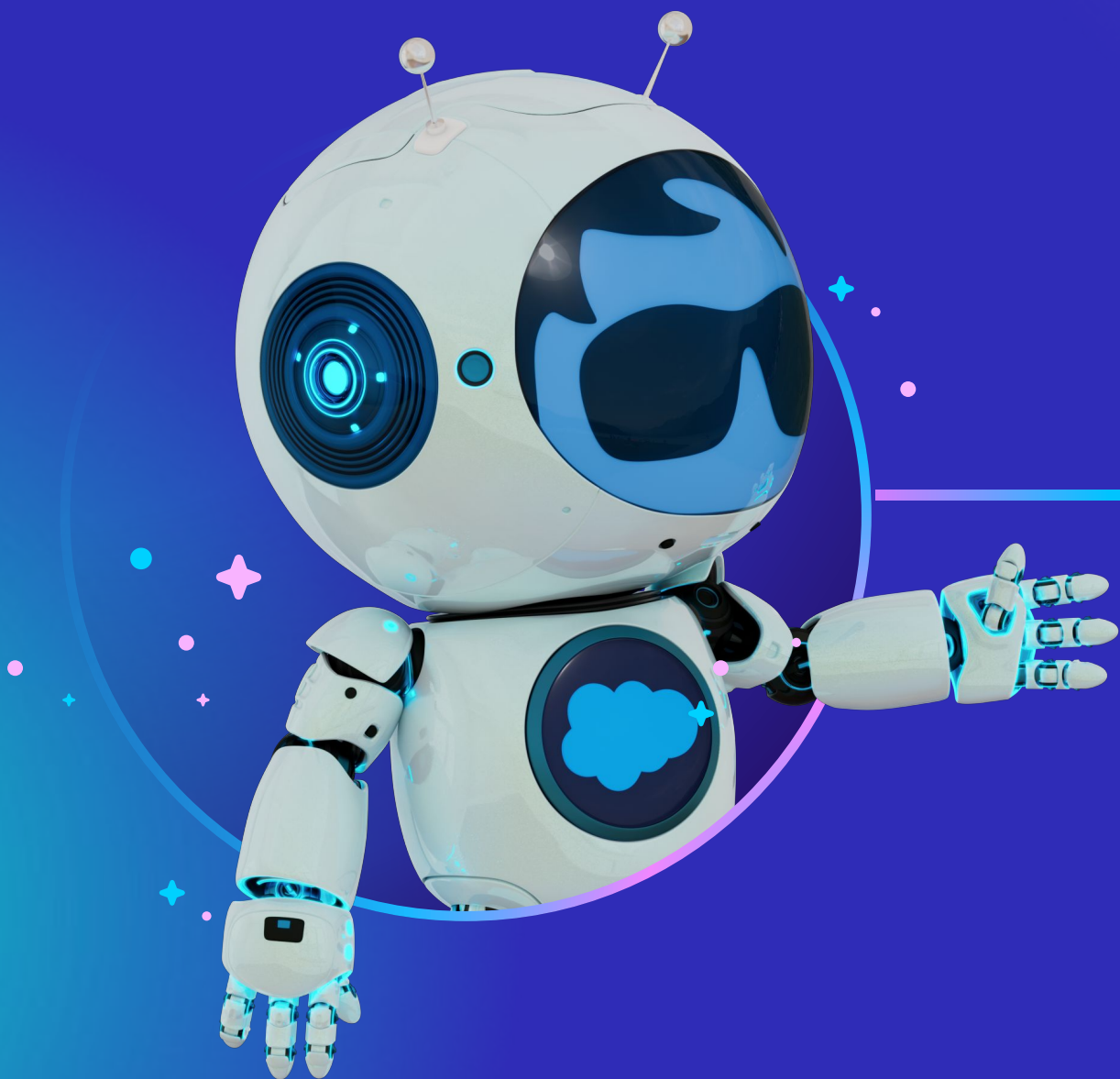
- Leverage Tableau toolkits in open source Agent-frameworks like Langchain
- Build Agents in Langchain that can answer data questions grounded on your Tableau Published Data Sources



How Tableau Langchain Package Works

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Demo

THANK
you