

**>polyture.**

Intuitive data science for anyone

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## Data Science is like Building a House

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- Each data analysis case is **highly unique**.
- High **time and effort** investment per case.
- Must hire a **construction crew** of data scientist and data engineer.



Days to weeks to test ideas — most are **scrapped**.

- Imagine knocking down every other house ever built.

# A Story of Photoshop

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## Before Photoshop

- Digital photos were edited with **code**.
- Each case is **highly unique**.
- High **time and effort** investment per case.
- Must hire a **studio** with access to **mainframes**.

# A Story of Photoshop

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## Invention of Photoshop

“

I've been working with Photoshop since the very beginning — I remember when John Knoll pitched it to Adobe founders John Warnock and Chuck Geschke. He showed us capabilities I'd only ever seen in \$100,000 mainframes.

”

— Russel Brown, Sr. Creative Director at Adobe

# A Story of Photoshop

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with Photoshop

- Ability to **touch** the photo.
- High level tools such as **spot heal, brushes**, etc.
- Ability to **redo, undo** and generally **test many ideas**.
- **Anyone** could edit photos



Now at the core of modeling, advertising, freelance industries

## Identifying Pain Points

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**A**

Days to weeks  
to test various  
implementations.

**B**

Hypothesis must  
come first → prohibits  
discovery.

**C**

Difficult to scale from  
small datasets to  
Cloud-Scale.

**D**

Lack of version  
control to save work  
and revert.

# A Photoshop for Data

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with Polyture Platform

**A**

Intuitive UI / UX  
designed for rapid  
experimentation.

**B**

Provide data  
feedback with  
every step.

**C**

Built-in distributed  
cloud-scale execution.

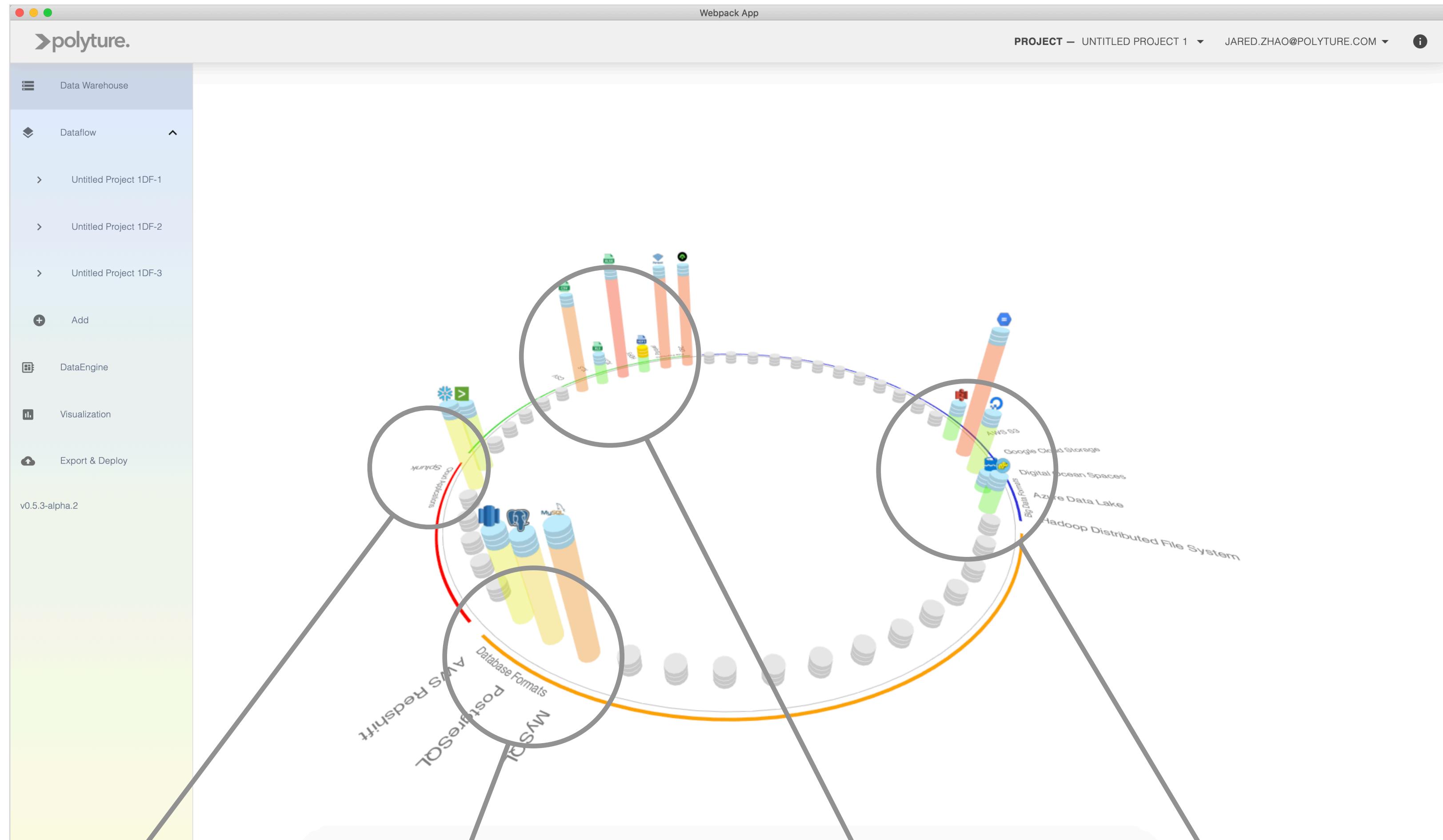
**D**

Version Control  
designed for data  
science workloads

# 1 Import from any source



# 1 Import from any source



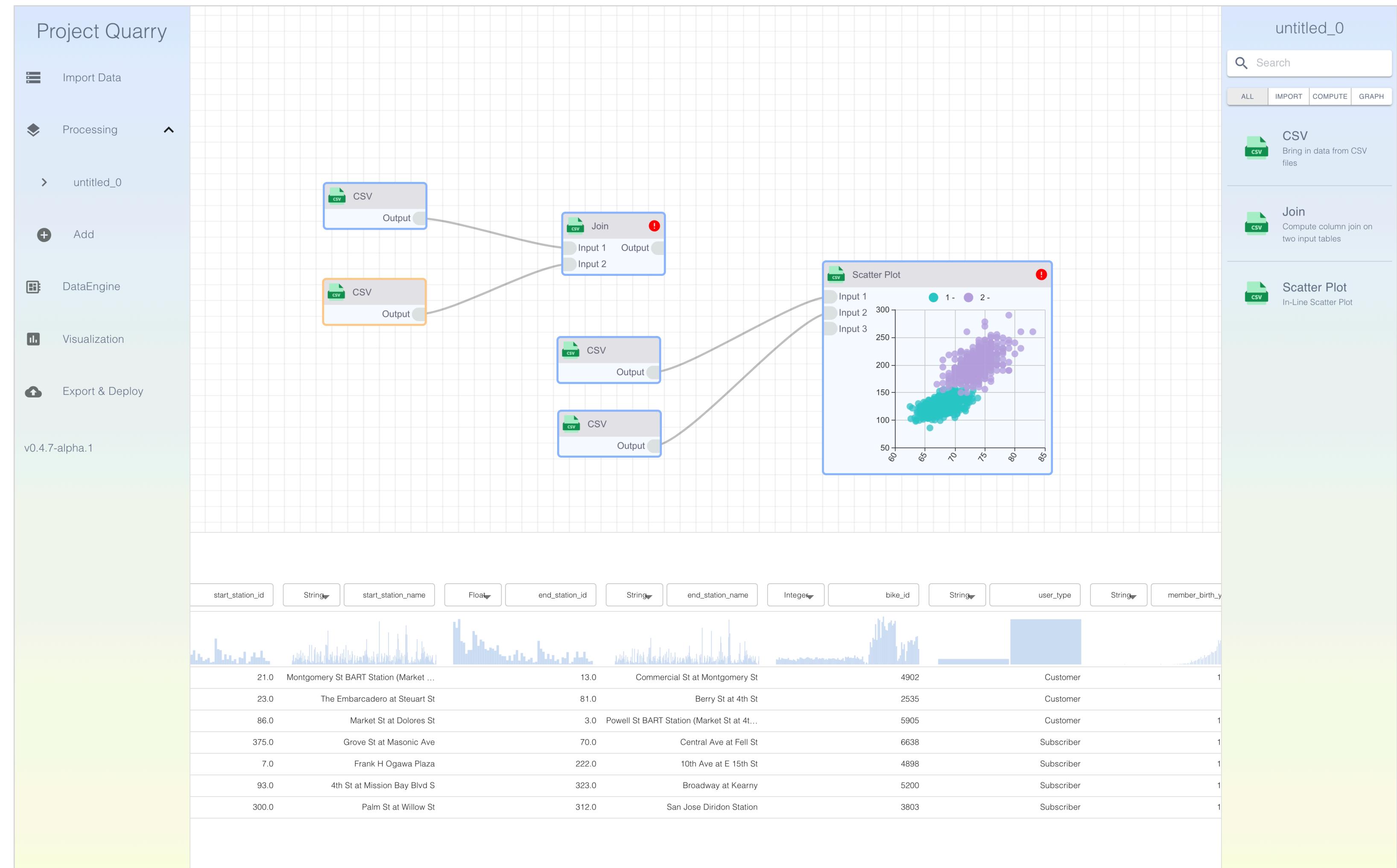
Cloud Applications

Databases Formats

File Formats

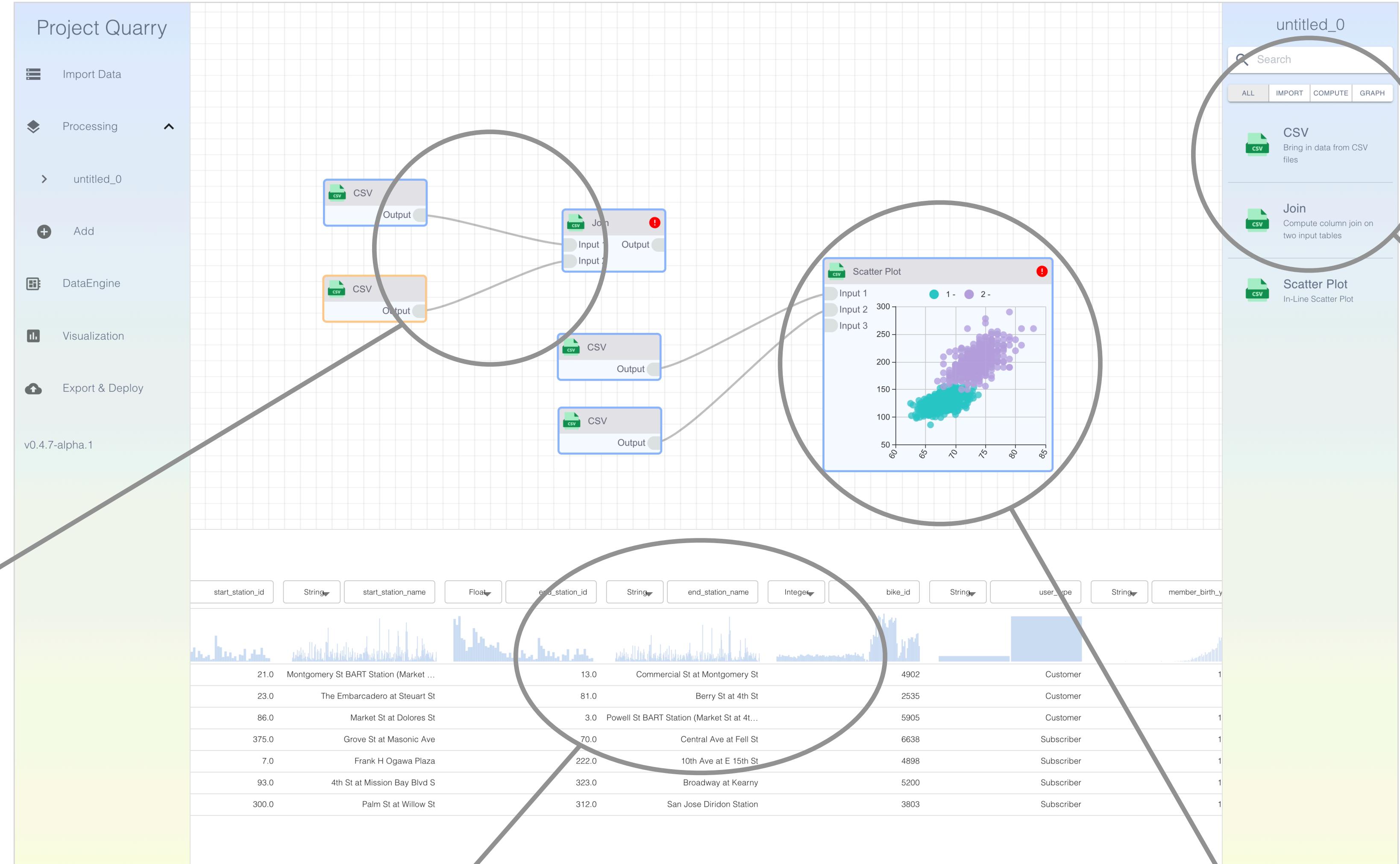
Big Data Stores

# 2 Graphical Data Analysis



# 2 Graphical Data Analysis

User productivity-focused design

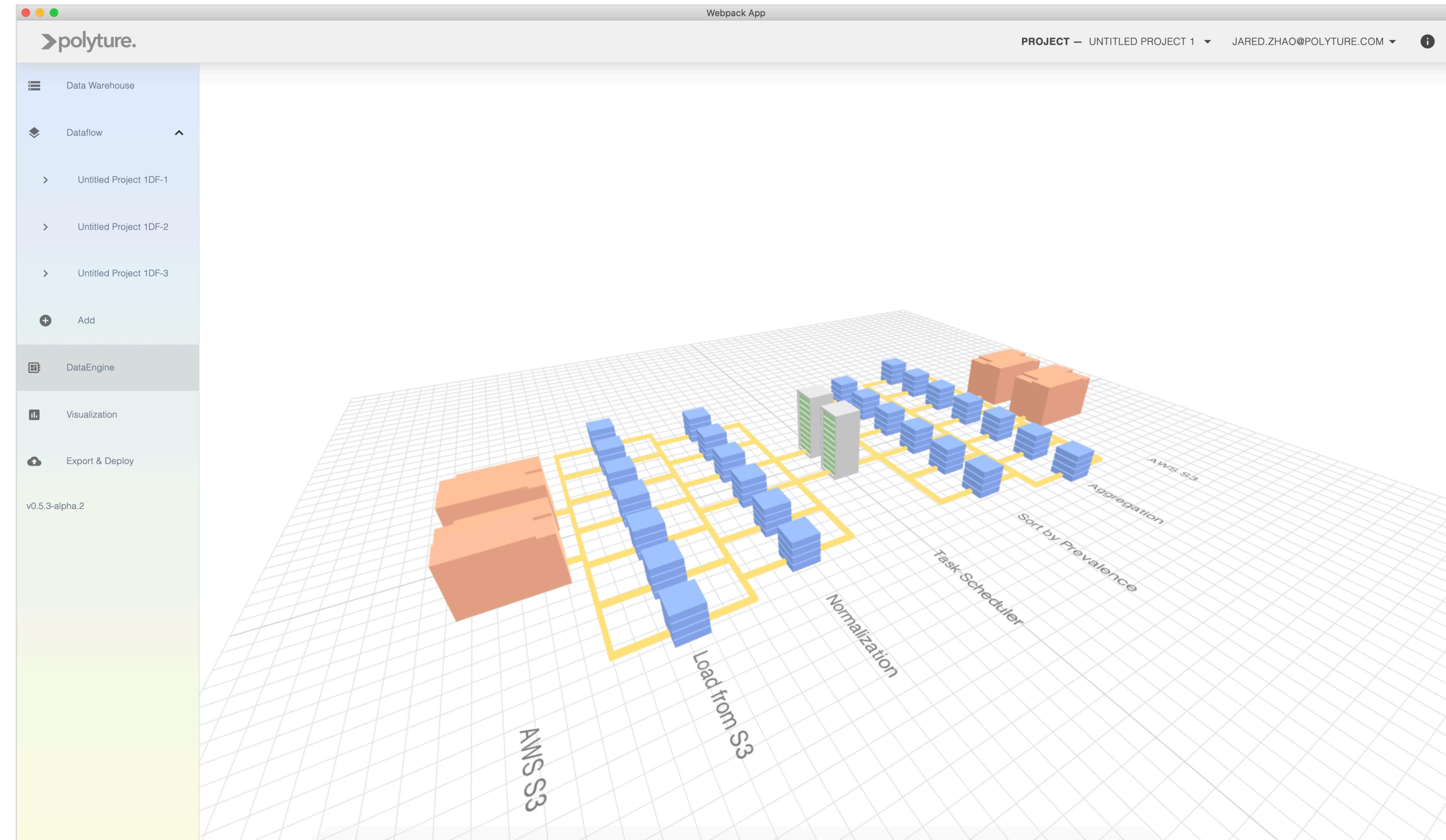


Generated relevant  
metadata

Interactive graphs to  
understand mid-analysis data

Highly compatible  
Functions

# 3 Automated Cloud-Scaling



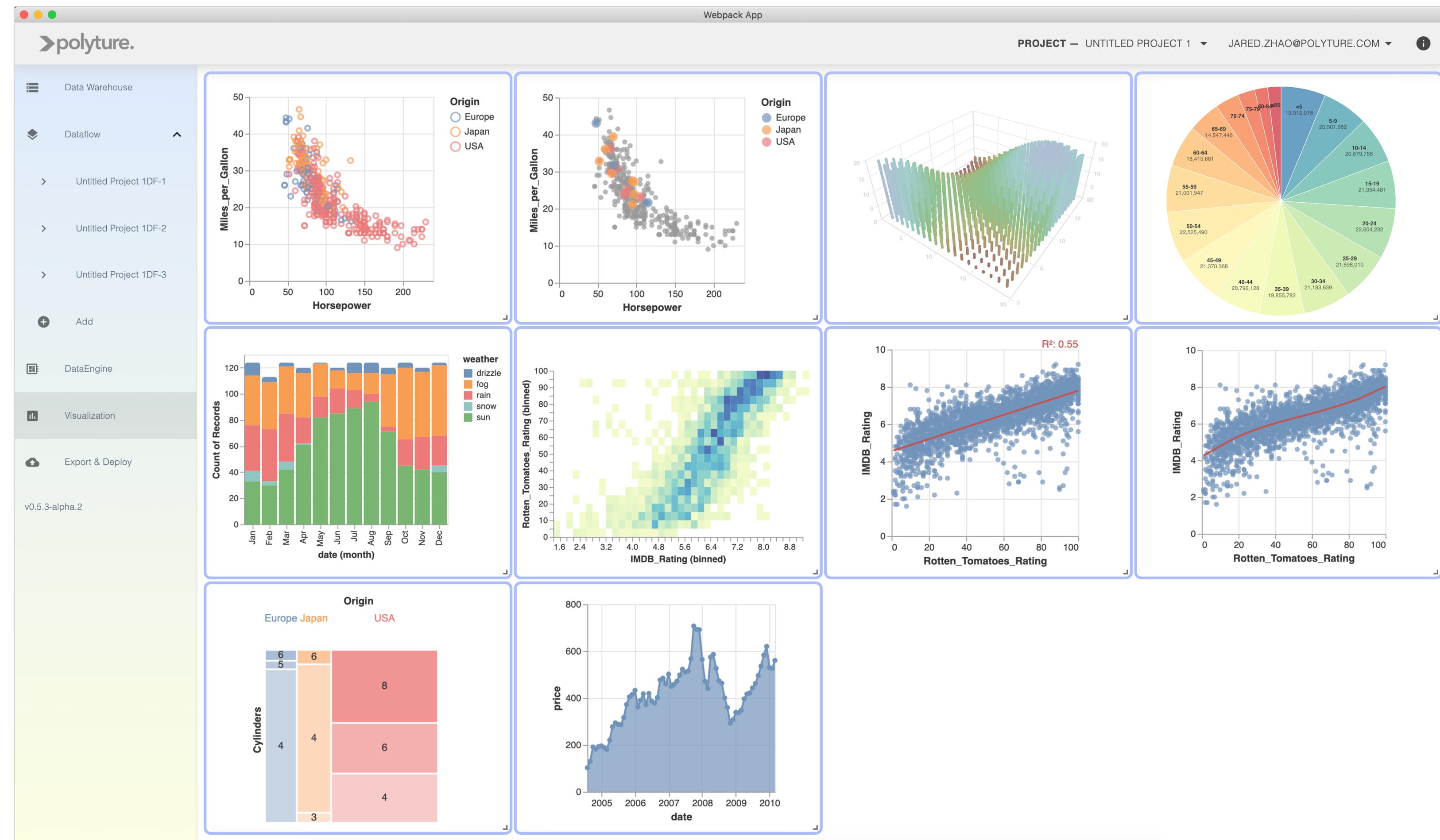
# 3 Automated Cloud-Scaling



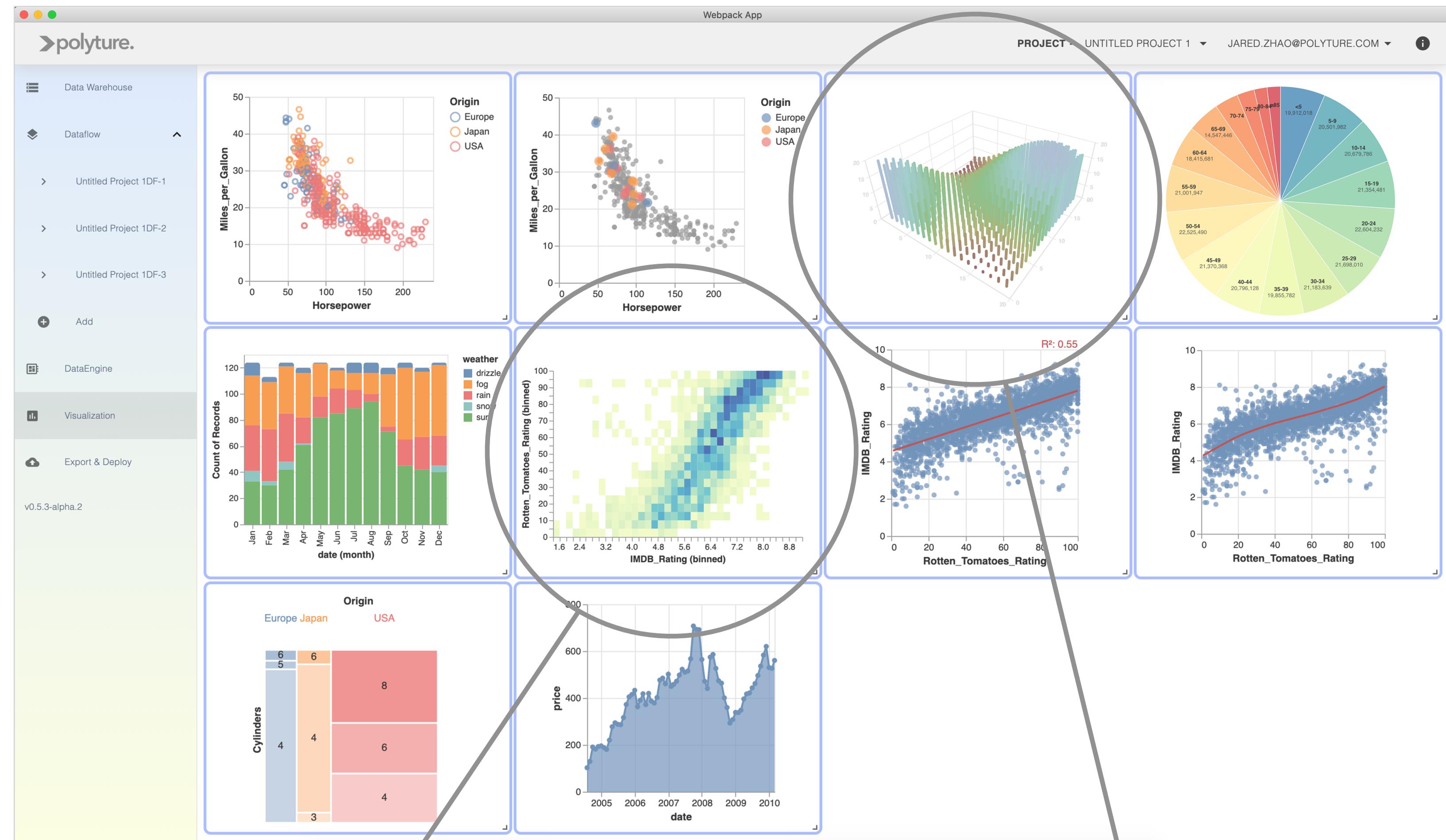
Automatic scale-up to  
distributed cloud resources

Graphical representation of cloud  
resources help identify bottlenecks

# 4 Visualization and Export



# 4 Visualization and Export

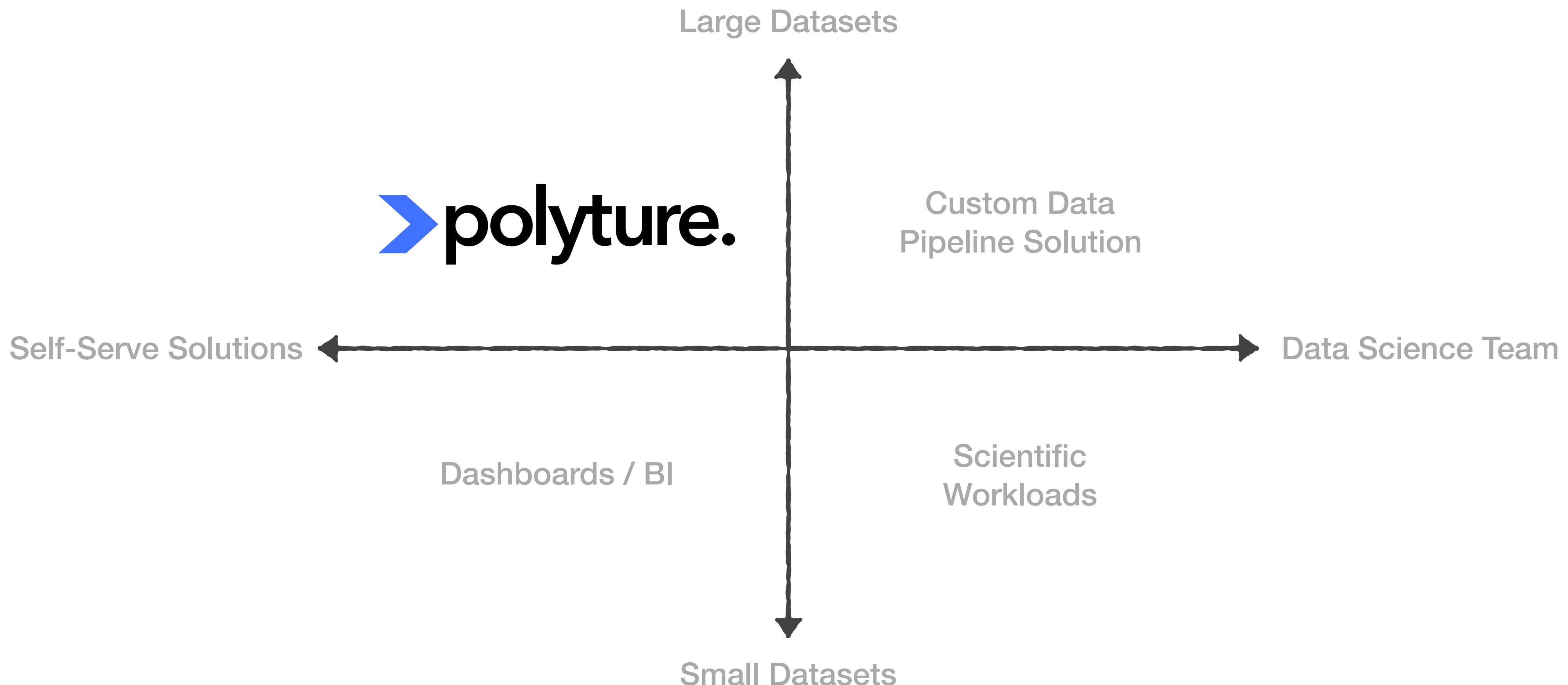


Graph directly in Polyture with visualizations optimized for large datasets

Polyture supports 3-Dimensional graphs generated using GPU

## Market Analysis

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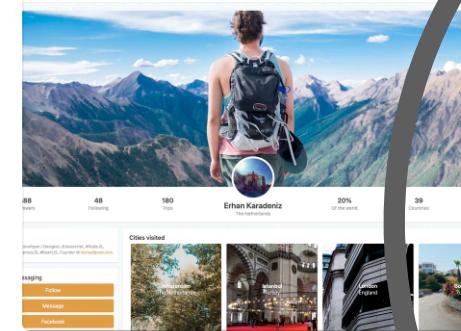
# Trending on BetaList

FRONTPAGE REGIONS MARKETS NEWSLETTER MAKER COMMUNITY STARTUP JOBS ...

SEARCH SUBMIT STARTUP POST A JOB



## Trending Startups



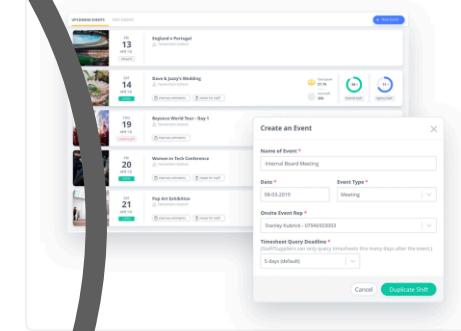
**Nomadbond**  
Community for digital nomad startups and remote workers

4 ❤️ 5 💬



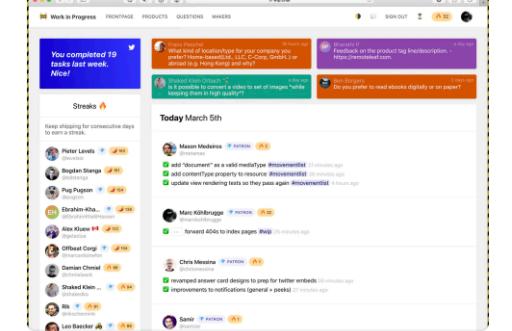
**Polyture**  
Enabling intuitive data science for anyone

2 ❤️ 2 💬



**Gameplan**  
Workforce Management Software

1 ❤️ 1 💬



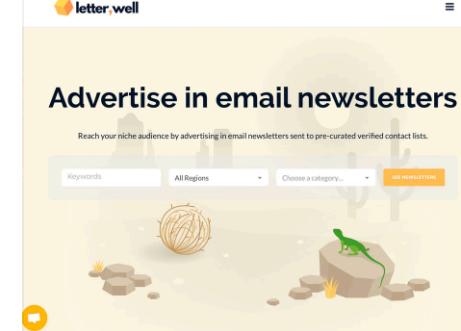
**Work in Progress**  
A community of makers shipping together 🚧

Promoted

Stay ahead of the curve  
Receive a daily digest of the newest startups. One-click unsubscribe.

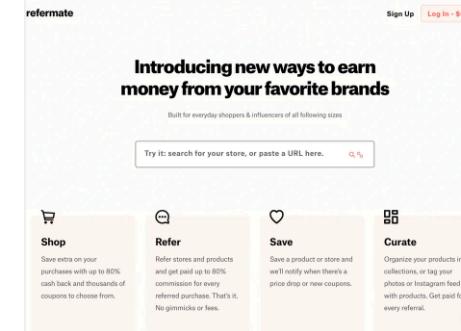
Your email  GO GO GO

### Today January 3rd



**LetterWell**  
Buy and sell ad space in email newsletters

2 ❤️ 1 💬



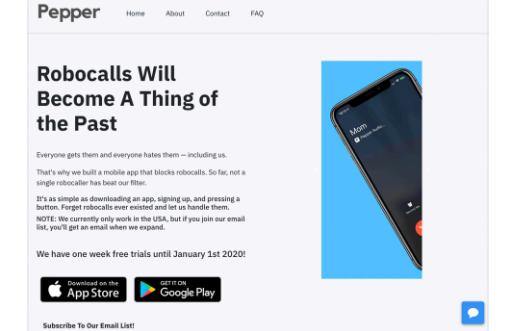
**Refermate**  
Shop and refer your favorite brands and get paid

1 ❤️ 1 💬



**TweetFull**  
Twitter Growth-Hacking Automation Tool

1 ❤️ 1 💬



**Pepper**  
Blocks robocalls from ever buzzing your phone

1 ❤️ 1 💬

## BetaList Results

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### Organic (advertising free) Sign-Ups

**85**

Signed up for  
Closed Beta.

**1**

CEO of Dentsu  
Aegis Network  
Programmatic - €1.1B  
Revenue

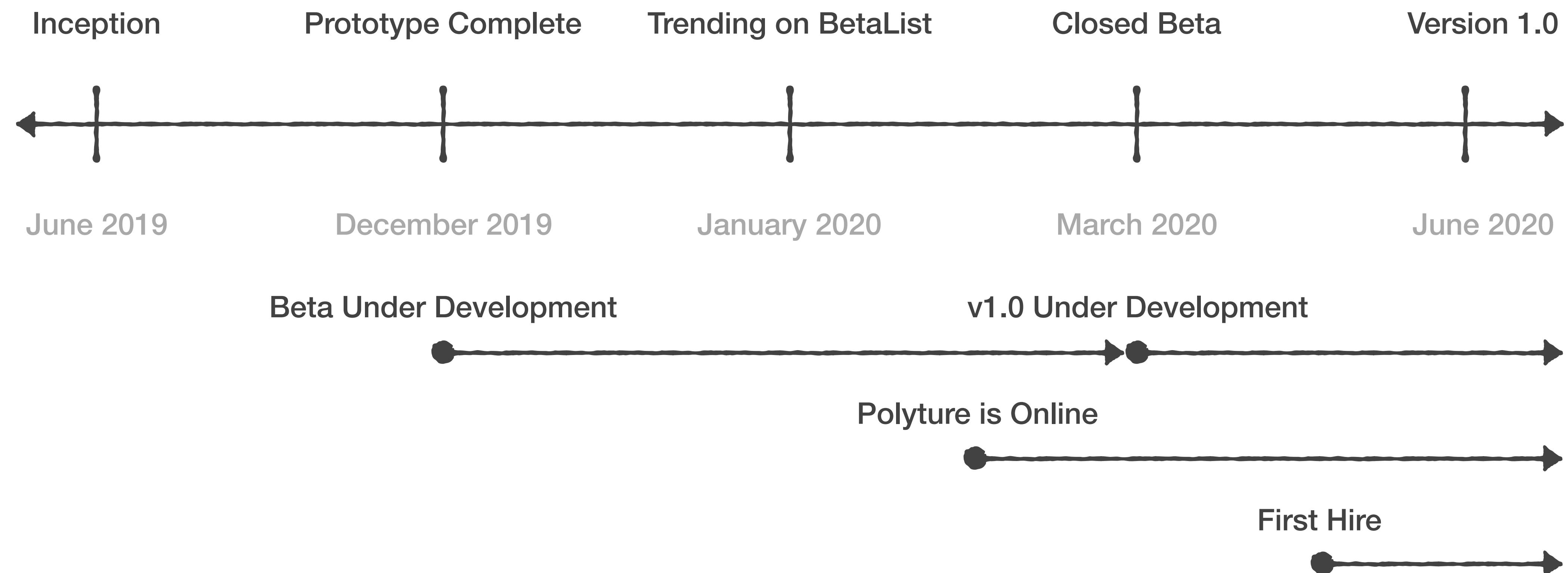
**3**

PhDs in  
Computational  
Science, Statistics &  
Analytics

**55**

Brand and Marketing  
specialists looking for  
analysis platform

## What's Next



## Market Analysis

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**3M**

The Huffington Post estimates that there are currently ~3M Data Scientists

**29.9%**

Demand for Data Scientists grows at a whopping 29.9% annually

**14%**

Job Searches by Data Scientists grows at a measly 14% annually

## Market Analysis

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**151K**

LinkedIn reported a shortage of 151,717 Data Scientists in August 2018

**120K**

Average salaries of Data Scientists according to the Bureau of Labor Statistics

**\$128.2B**

Data Science Platform market is projected to reach \$128.2B by 2022 with a CAGR of 36.5%

[2] <https://searchbusinessanalytics.techtarget.com/feature/Demand-for-data-scientists-is-booming-and-will-increase>

[3] <https://www.reuters.com/brandfeatures/venture-capital/article?id=5670>

## In Summary

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 polyture.

1. Is an interactive data science platform that reimagines how we answer questions through data.
2. Enables users without programming experience or background in statistics and machine learning to expertly answer data questions.
3. Increase the productivity of even the most seasoned data scientists.

# About

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## Jared Zhao

Founder & CEO



- UC Berkeley Computer Science
- Research at RISELab
- Primary author of Data Science research
  - UC Berkeley Nuclear Engineering Dept.
- Data Science Expert
- UI / UX & 3D Artist
- Software Engineering Expert

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