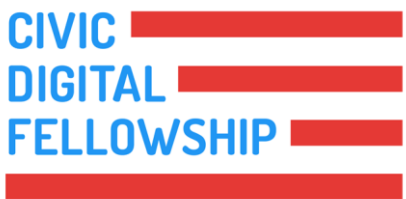


# DAVITT: A Premier Data Visualization Platform

The National Institute on Aging, Division of Behavioral & Social Research  
Dana Plude — Deputy Director; Partha Bhattacharyya – Program Director



Tim Nguyễn  
*University of California, Santa Cruz*  
*Computer Science + Technology Information Management*

# BACKGROUND + CONTEXT

Wait, who are we?

- ❖ *“Supports social, behavioral, psychological, and economic research and training on the processes of aging at the individual and societal levels.”*
- ❖ Featured Data Projects
  - ✓ Health and Retirement Study (HRS)
  - ✓ Midlife in the United States (MIDUS)
  - ✓ National Health and Aging Trends Study (NHATS)

Okay... now, what's the challenge?

- ❖ Present-day Data Accessibility Workflow
  - ❖ Tedious + Confusing
  - ❖ Inefficient + Burdensome



# MOTIVATION + IMPACT



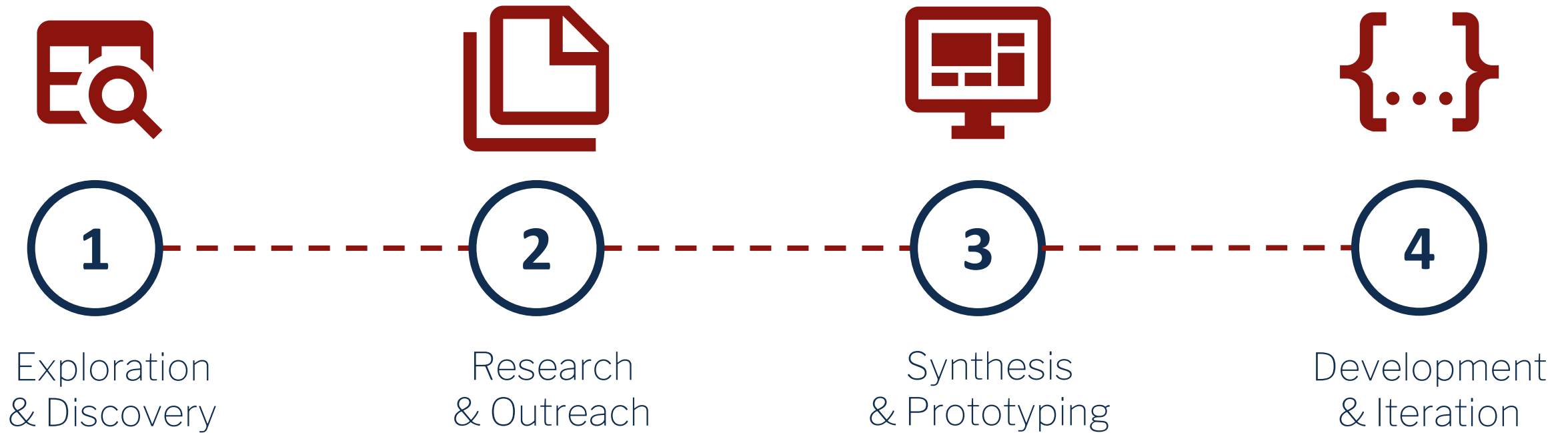
Our primary goal...

- ❖ *“Creating a product line/road map and recommend a cloud environment, where data can be shared broadly from multiple data sources in the most cost-efficient manner.”*

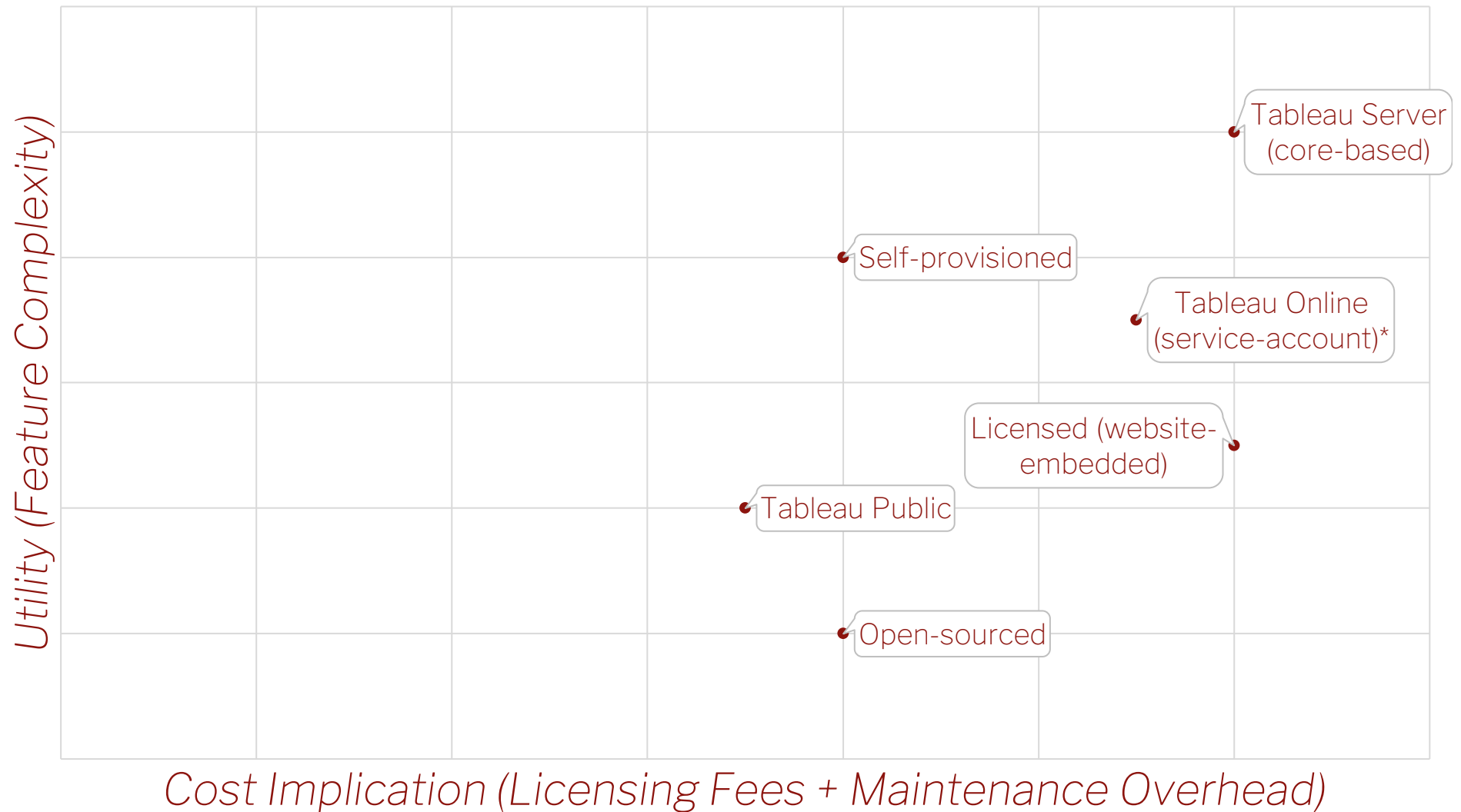
... but now, make short and sweet!

- ❖ Increasing data F.A.I.R-ness (findability, accessibility, interoperability, and reusability) in the research community through modern data visualization solutions

# PROCESS + APPROACH



# COST-UTILITY TRADE-OFF



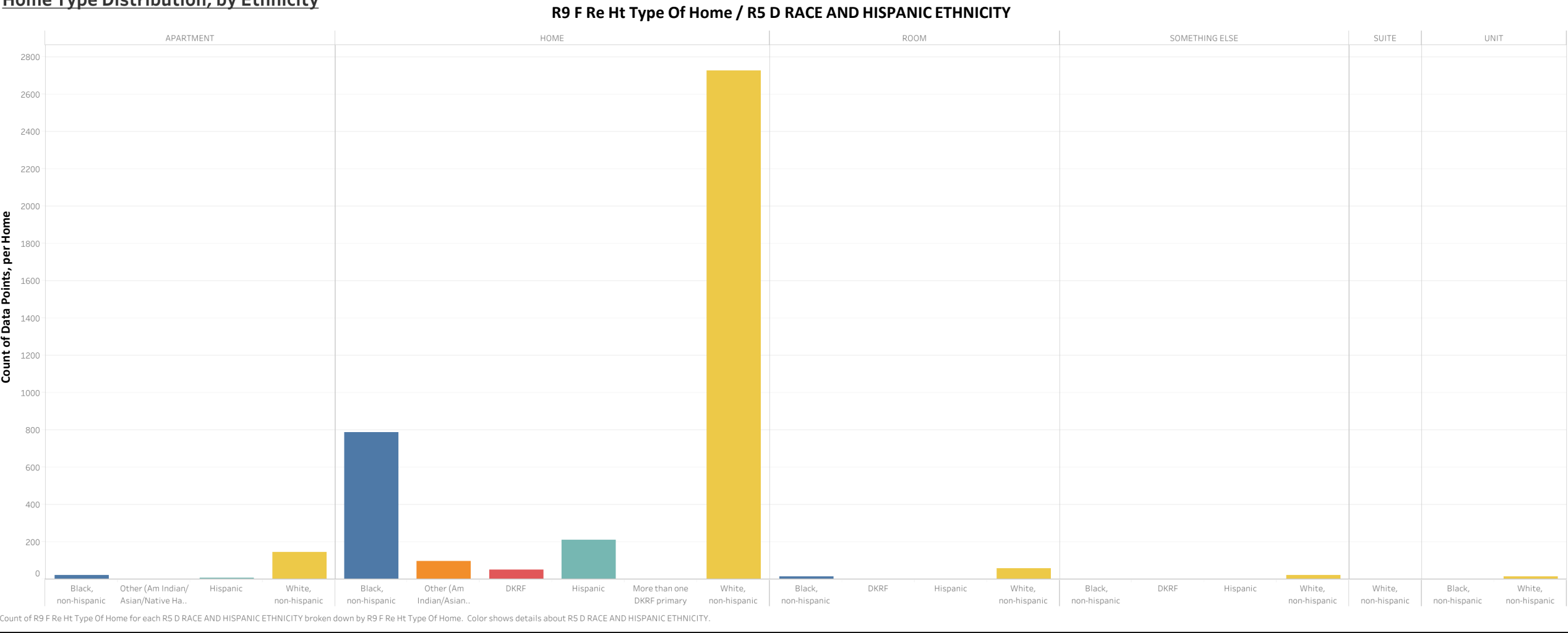
# IMPLEMENTATION

**PRODUCT DEMONSTRATION!**

# National Health and Aging Trends Study (NHATS)

The [National Health and Aging Trends Study \(NHATS\)](#) is a new resource for the scientific study of functioning in later life. The NHATS is being conducted by the Johns Hopkins University Bloomberg School of Public Health, with data collection by Westat, and support from the NIA. In design and content, NHATS is intended to foster research that will guide efforts to reduce disability, maximize health and independent functioning, and enhance quality of life at older ages.

## Home Type Distribution, by Ethnicity



# WHAT'S NEXT?



So, what comes next?

- ❖ Analysis + Evaluation
- ❖ Implementation + Iteration
- ❖ Training + Knowledge Transfer
- ❖ Data Extraction + Automation

...and, what else did you learn?

- ❖ “Push the Pavement!”
  - ❖ Always be thinking about the next move.
- ❖ Communicate effectively and resolutely.



# SPECIAL THANKS

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- ❖ Dana Plude
- ❖ Partha Bhattacharyya
- ❖ Jonathan King

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- ❖ Joel Peterson

## Coding it Forward

- ❖ Rachel Dodell
- ❖ Chris Kuang
- ❖ Ariana Soto
- ❖ Cyrus Sethna (U.S. Digital Service)



*Tim Nguyễn*

*University of California, Santa Cruz*

*Computer Science + Technology Information Management*

[nguyentimt@nih.gov](mailto:nguyentimt@nih.gov) / [tim.nguyen.cs@gmail.com](mailto:tim.nguyen.cs@gmail.com)

*(916) 267 - 3363*