



# **Building an Inclusive Smart City with Data**

Ted Ross, CIO

# | The Importance of Inclusion

*“Cities that effectively foster inclusion not only offer greater opportunities for their residents, but often also reap widespread economic benefits.”*

**Deloitte Insights,**  
Inclusive Smart Cities, August 2019

# | Building an Inclusive Smart City Using Data Science

Establish Ethical Foundation

01

02

Identify Inclusion Goals



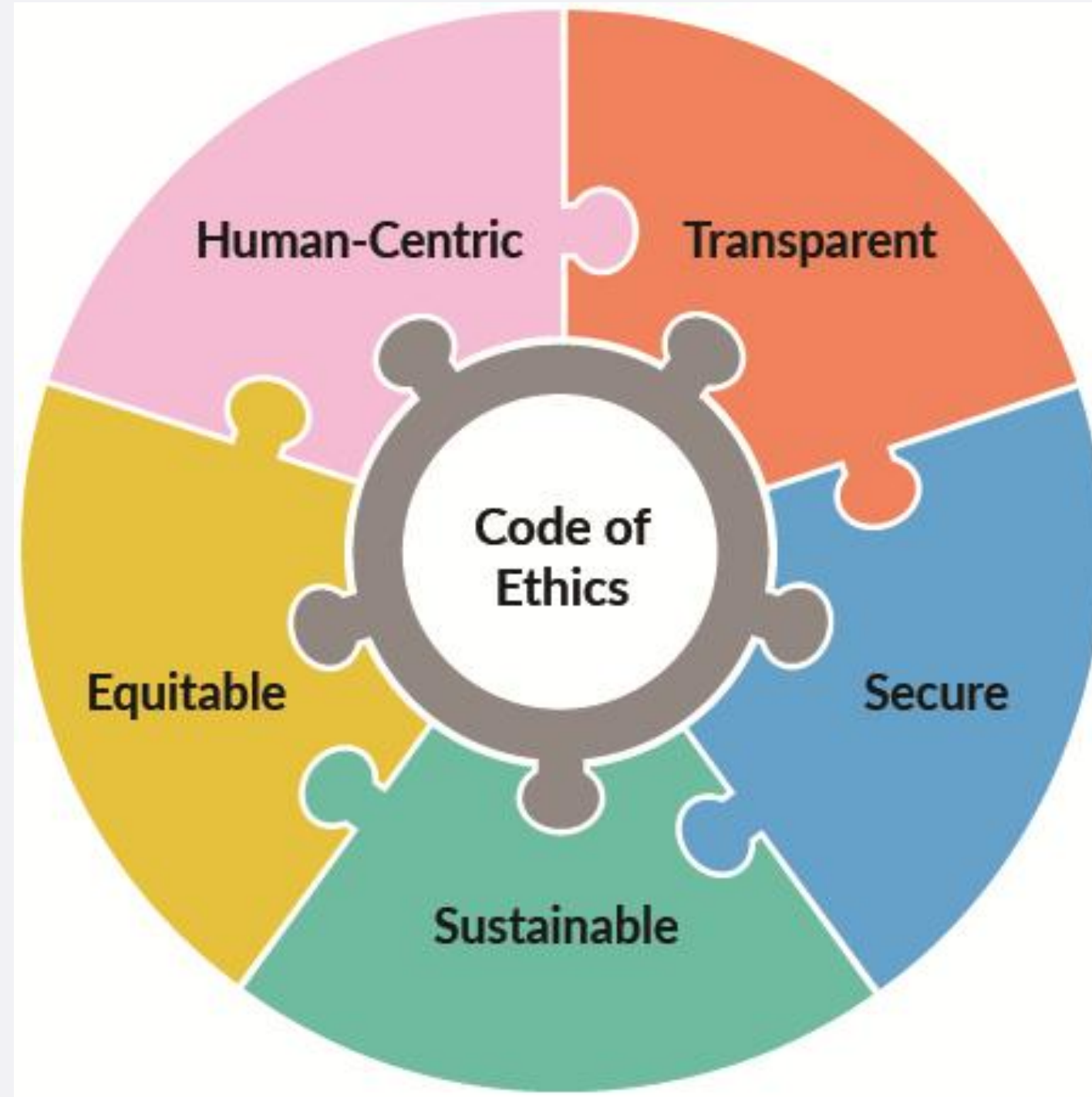
Ensure Reproducible Analysis

04

03

Target Data Projects

# | #1 - Our Ethical Foundation → L.A.'s Digital Code of Ethics



# | #2 - Inclusion Goals Set Our Objectives

## CONNECTIVITY & DIGITAL INCLUSION

### Strategic Goals

#### **Define Digital Inclusion KPIs**

Establish a common Digital Inclusion definition with Digital Equity key performance indicators (KPIs) to improve prioritization of investments by 2020

#### **Seek Funding for Digital Inclusion Team**

Submit FY2021-22 budget request for formal L.A. City Connectivity & Digital Inclusion Division within the Information Technology Agency (ITA) that could coordinate and facilitate citywide Digital Inclusion initiatives by 2020

#### **Establish Digital Inclusion Fund**

Establish a new Digital Inclusion Fund to provide consistent funding for new Digital Inclusion initiatives by 2021

#### **Accelerate Digital Inclusion Through COVID Relief Funds**

Accelerate Digital Inclusion investment by leveraging appropriate and

# #3 - A Data Project Example

Machine Learning to  
Measure Equity of City Plans



# | Measuring Inclusiveness of City Planning Program

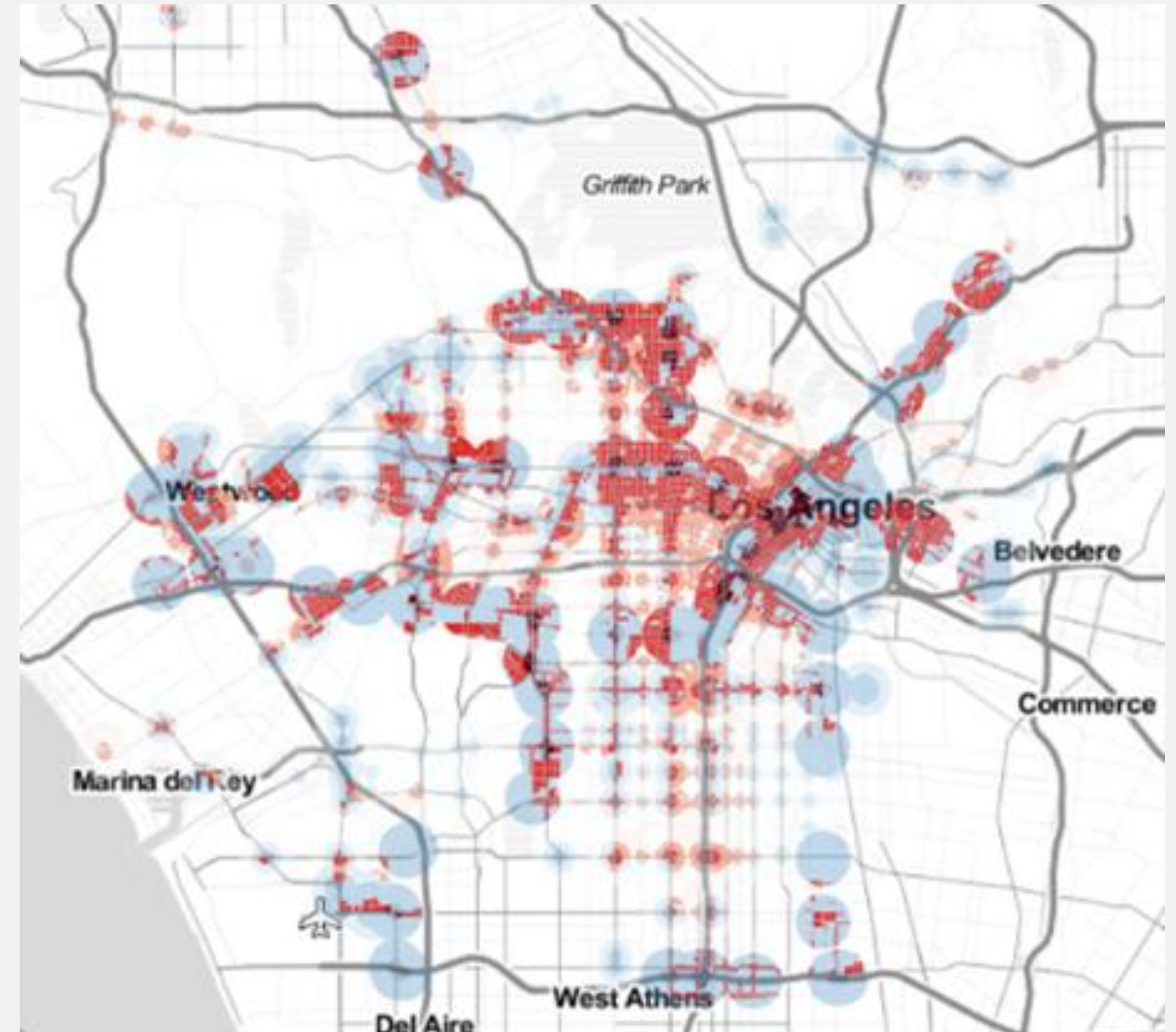
In 2016, Los Angeles residents voted to create a Transit Oriented Communities Program (TOC Program) with incentives for developers to build affordable housing within ½ of a mile from Major Transit stops.

- **Motivating Question:** What kind of permit activity is occurring, and are inequities caused by neighborhood, socio-economic status, or City Planning Department policy?



# | Key Outcomes

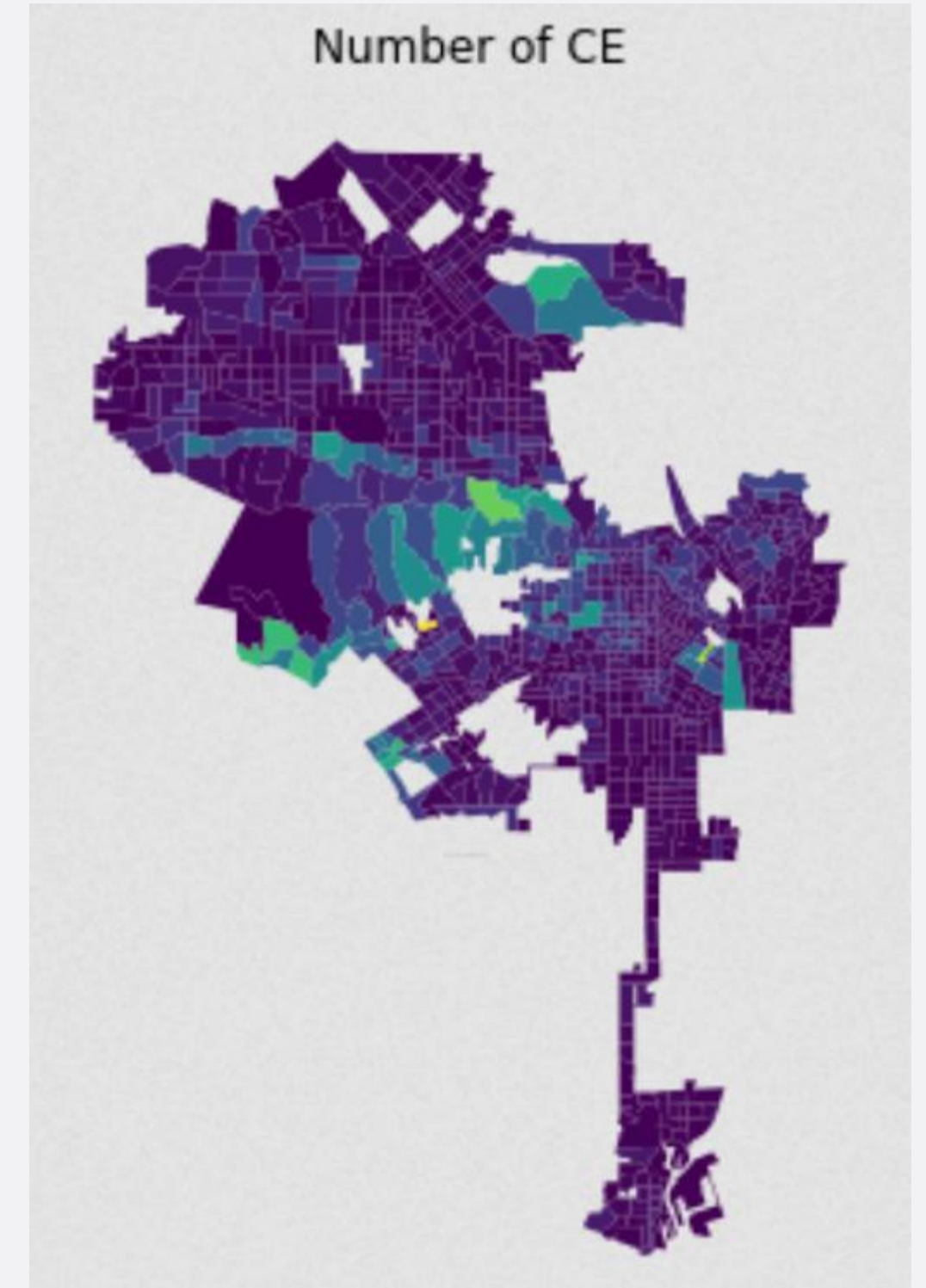
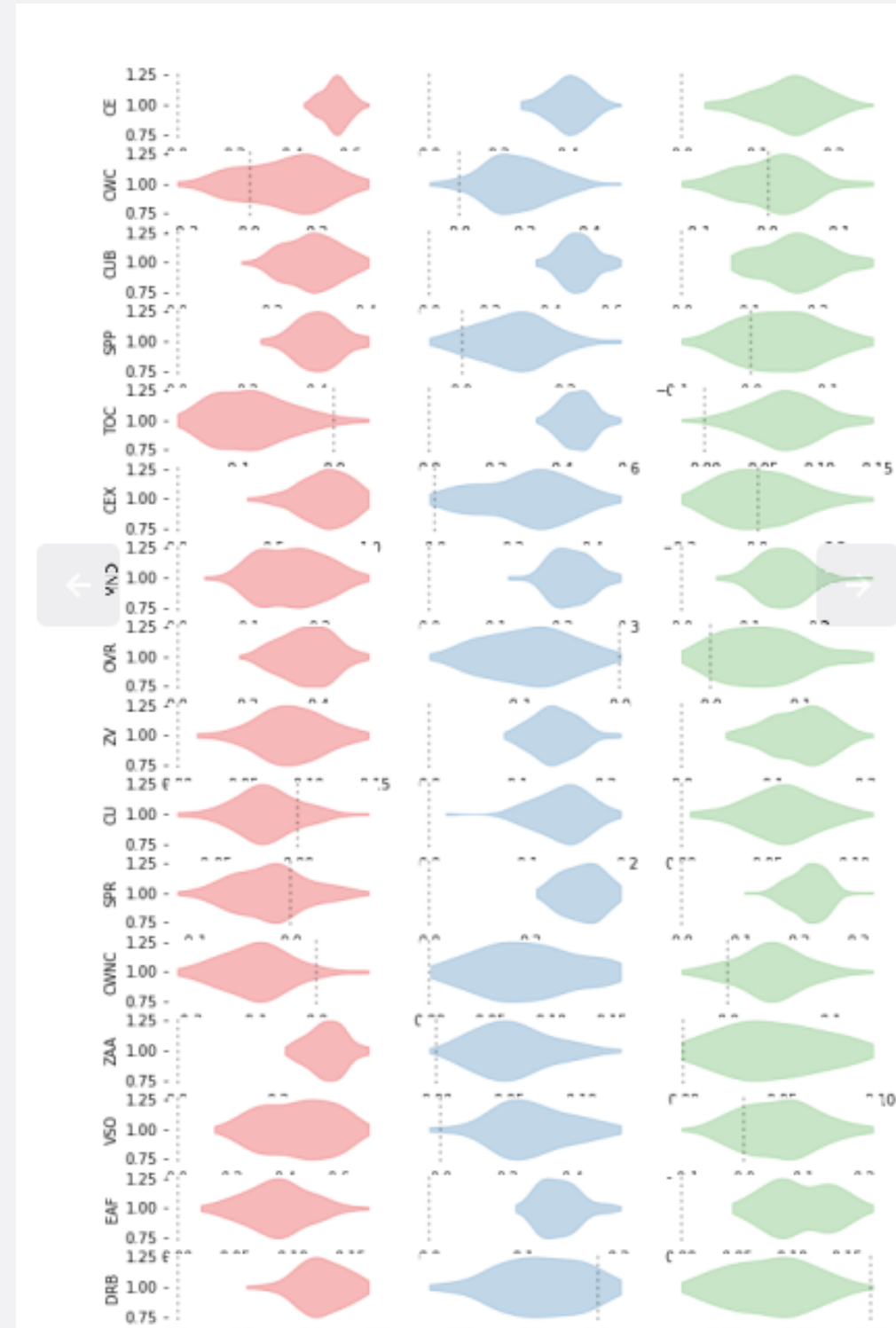
- Planning staff “felt” time was inequitable, now could quantify it
- Planning now has tool to monitor and change program planning to ensure inclusion and fairness





# #4 - Reproducible Results

- Ensured analysis is trustworthy, reproducible, and can be used by other teams in the future.



## | The Importance of Inclusion

*“Unlike private sector technology companies, the government is presumed to provide leadership in the responsible and ethical use of modern technology. At the City of Los Angeles, we understand that public trust takes time to build and can be easy to lose.”*

**City of Los Angeles**  
Digital Code of Ethics, 2020

「thank you.」