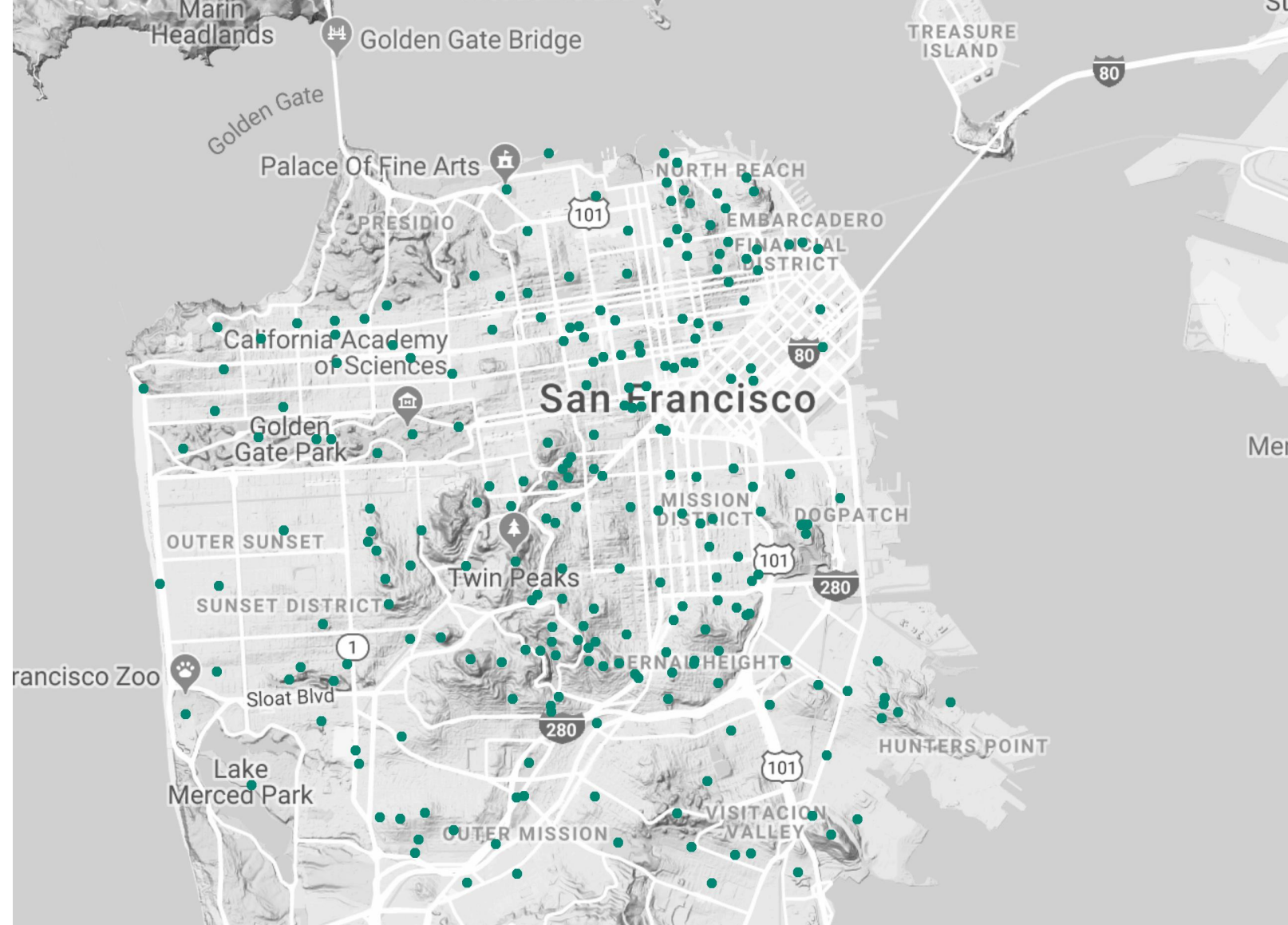# Analyzing Park Maintenance with R
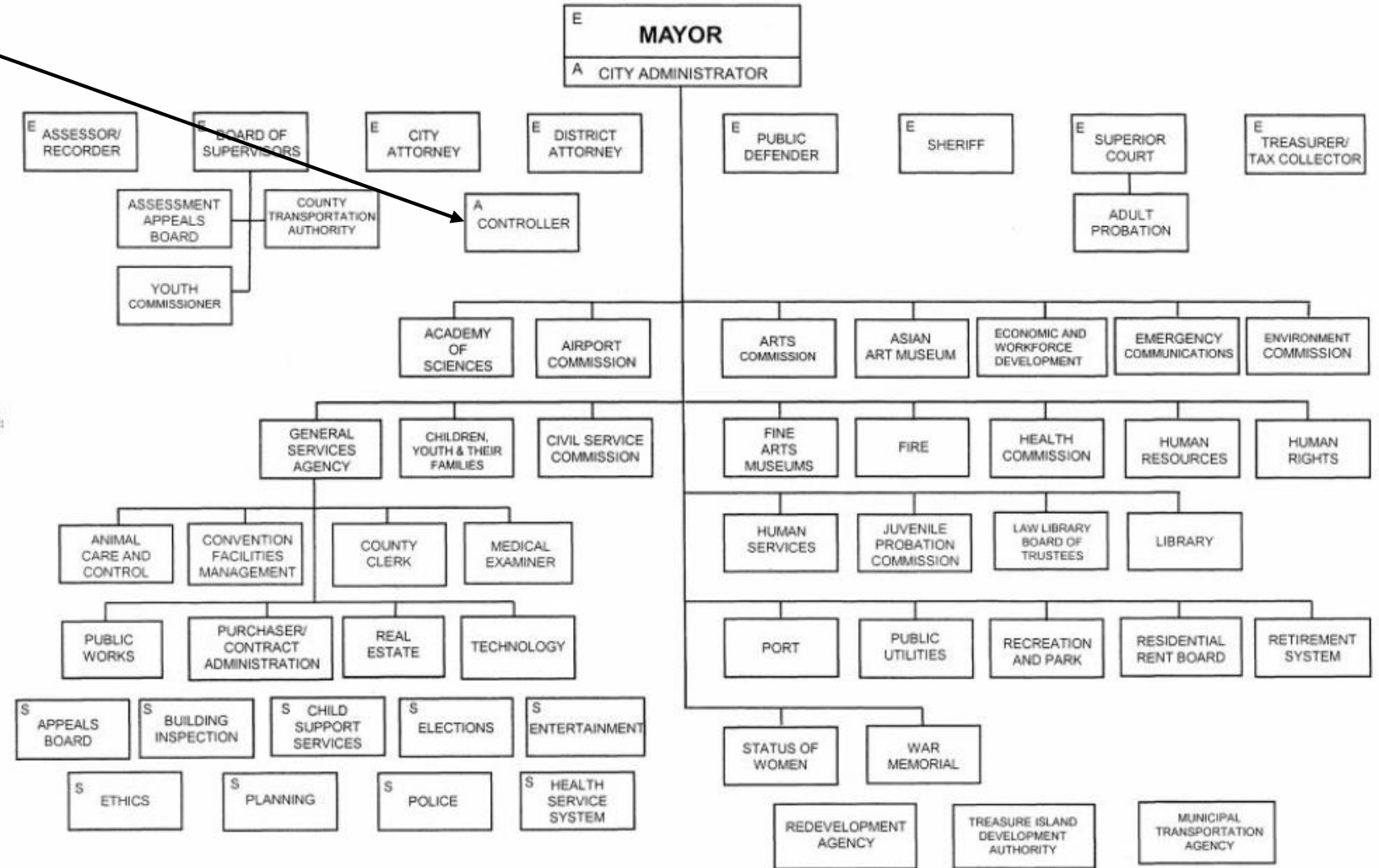
Emily Vontsolos, *Performance Analyst*

The Team.

City and County of San Francisco Organization Chart
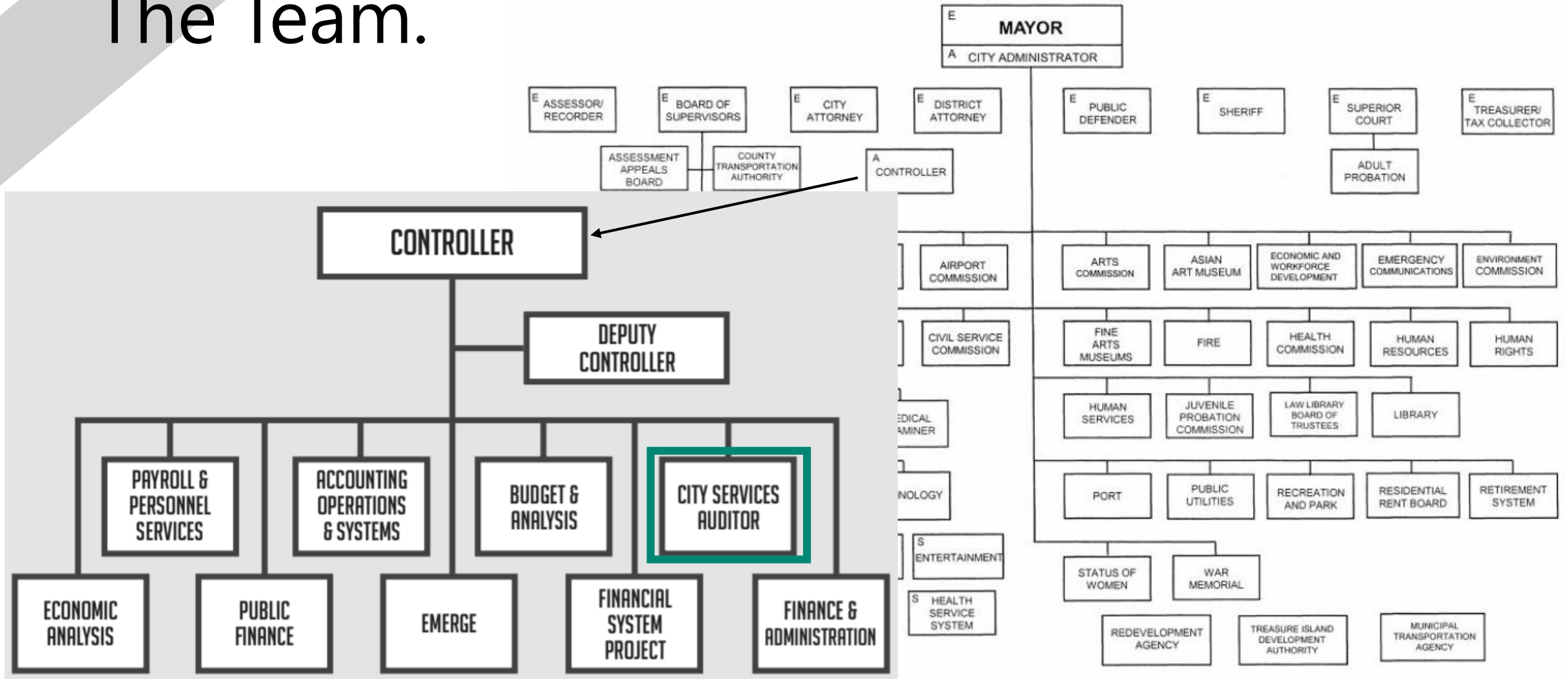### (As of June 30, 2010)

E MAYOR
A CITY ADMINISTRATOR

- E ASSESSOR/RECORDER
- E BOARD OF SUPERVISORS
  - ASSESSMENT APPEALS BOARD
  - COUNTY TRANSPORTATION AUTHORITY
  - YOUTH COMMISSIONER
- E CITY ATTORNEY
- E DISTRICT ATTORNEY
  - A CONTROLLER
- E PUBLIC DEFENDER
- E SHERIFF
- E SUPERIOR COURT
  - ADULT PROBATION
- E TREASURER/TAX COLLECTOR

- ACADEMY OF SCIENCES
- AIRPORT COMMISSION
- ARTS COMMISSION
- ASIAN ART MUSEUM
- ECONOMIC AND WORKFORCE DEVELOPMENT
- EMERGENCY COMMUNICATIONS
- ENVIRONMENT COMMISSION

- GENERAL SERVICES AGENCY
  - ANIMAL CARE AND CONTROL
  - CONVENTION FACILITIES MANAGEMENT
  - COUNTY CLERK
  - MEDICAL EXAMINER
  - PUBLIC WORKS
  - PURCHASER/CONTRACT ADMINISTRATION
  - REAL ESTATE
  - TECHNOLOGY
- CHILDREN, YOUTH & THEIR FAMILIES
- CIVIL SERVICE COMMISSION
- FINE ARTS MUSEUMS
- FIRE
- HEALTH COMMISSION
- HUMAN RESOURCES
- HUMAN RIGHTS

- HUMAN SERVICES
- JUVENILE PROBATION COMMISSION
- LAW LIBRARY BOARD OF TRUSTEES
- LIBRARY

- S APPEALS BOARD
- S BUILDING INSPECTION
- S CHILD SUPPORT SERVICES
- S ELECTIONS
- S ENTERTAINMENT
- S ETHICS
- S PLANNING
- S POLICE
- S HEALTH SERVICE SYSTEM

- PORT
- PUBLIC UTILITIES
- RECREATION AND PARK
- RESIDENTIAL RENT BOARD
- RETIREMENT SYSTEM

- STATUS OF WOMEN
- WAR MEMORIAL

- REDEVELOPMENT AGENCY
- TREASURE ISLAND DEVELOPMENT AUTHORITY
- MUNICIPAL TRANSPORTATION AGENCY

A = Appointed by Mayor and confirmed by Board of Supervisors / E = Elected / S = Shared – appointed by various elected officials.

https://sfgov.org/citys-organizational-chart

The Team.

City and County of San Francisco Organization Chart
(As of June 30, 2010)

A = Appointed by Mayor and confirmed by Board of Supervisors / E = Elected / S = Shared – appointed by various elected officials.

The Team.

Joe Lapka

Alice Kassinger

all staRs

We measure park maintenance by comparing current conditions to park standards. We do this through quarterly park evaluations.
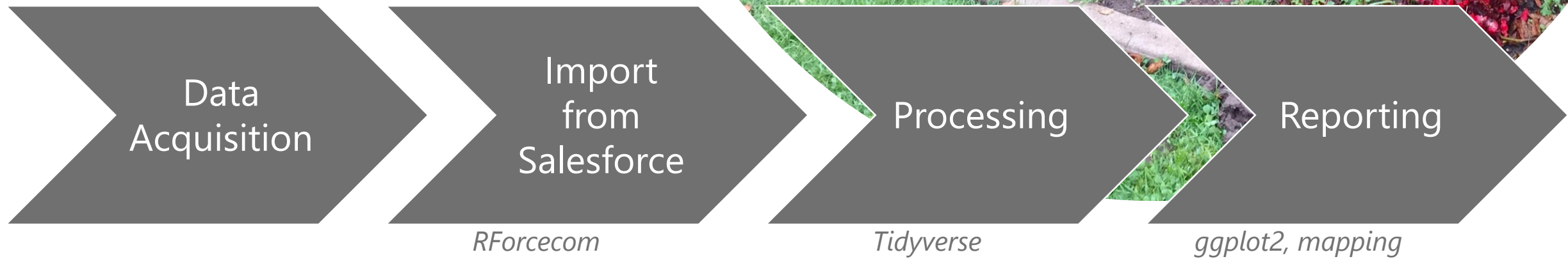
Hilltop Park

Dolores Park

Our Data Pipeline

Data Acquisition

Import from Salesforce

RForcecom

Processing

Tidyverse

Reporting

ggplot2, mapping

Annual Report

Park Maintenance Standards
Annual Report | 2018

November 2018

City & County of San Francisco
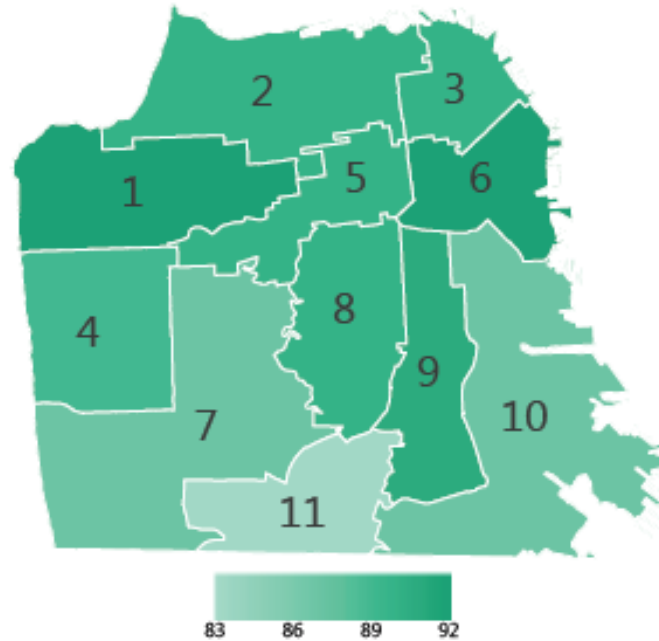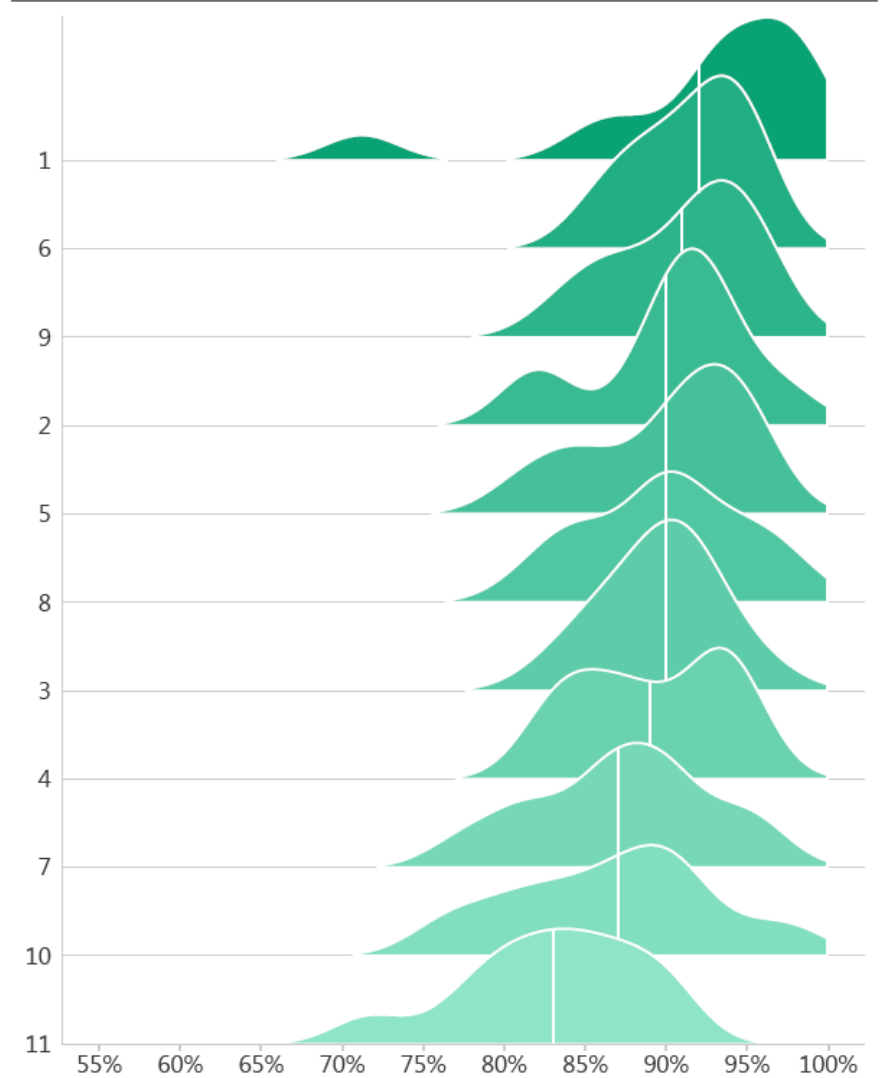Office of the Controller
City Services Auditor

CITY PERFORMANCE

http://openbook.sfgov.org/webreports/details3.aspx?id=2647

Figure 3 - Distribution of Park Scores in FY18

average = 89%
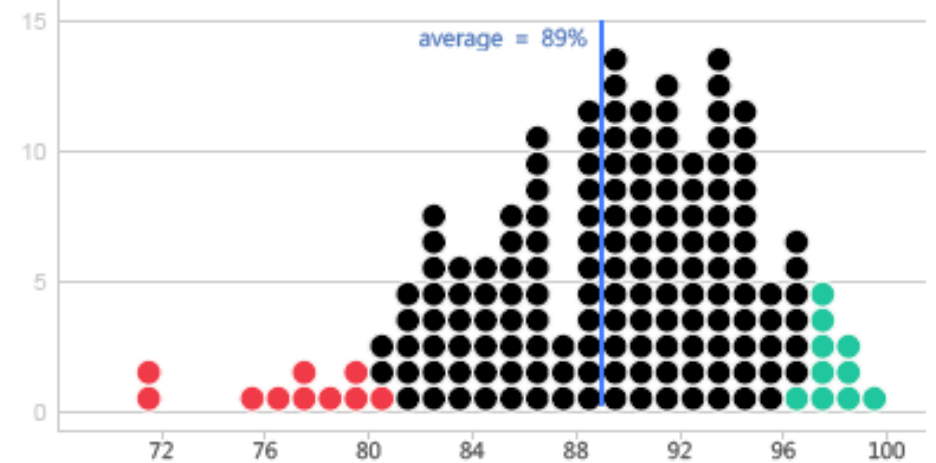
Figure 4 - Location of the Highest-Scoring and Lowest-Scoring Parks in FY18
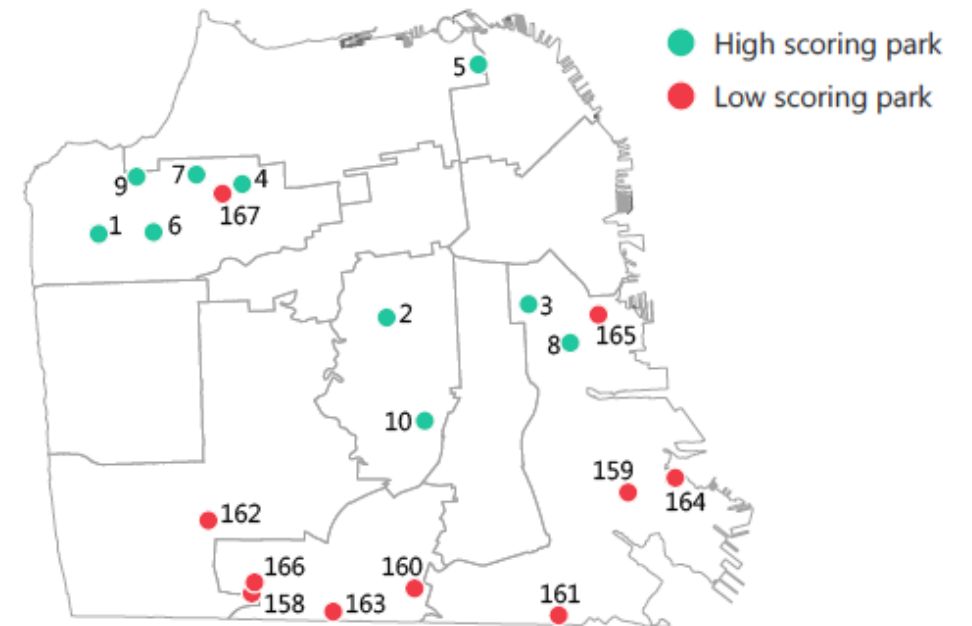
High scoring park
Low scoring park

Annual Report

Park Maintenance Standards
Annual Report | 2018

November 2018

City & County of San Francisco
Office of the Controller
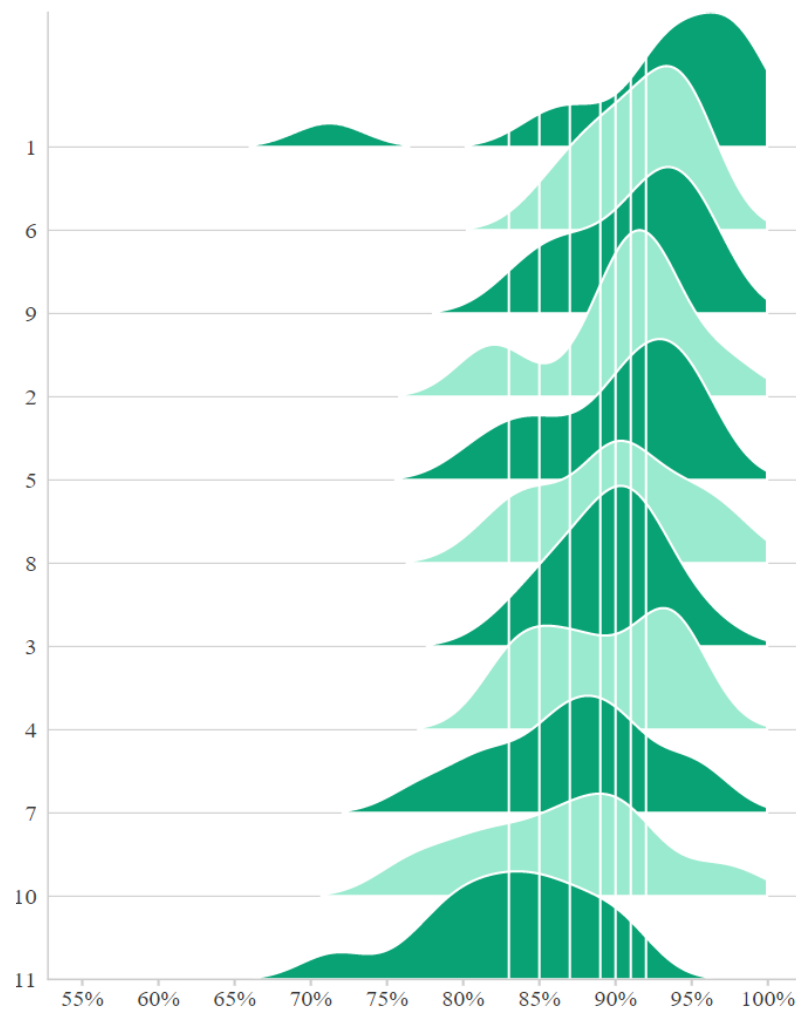City Services Auditor

CITY PERFORMANCE

Figure 5 - Supervisor Districts

Figure 6 - Distribution of Park Scores by Supervisor District

Annual Report

Park Maintenance Standards
Annual Report | 2018

CITY PERFORMANCE

November 2018

City & County of San Francisco
Office of the Controller
City Services Auditor

Figure 9 - Parks Serving RPD Equity Zones in FY18

- Equity Zones
- Equity Zone Parks
- Non-equity Zone Parks
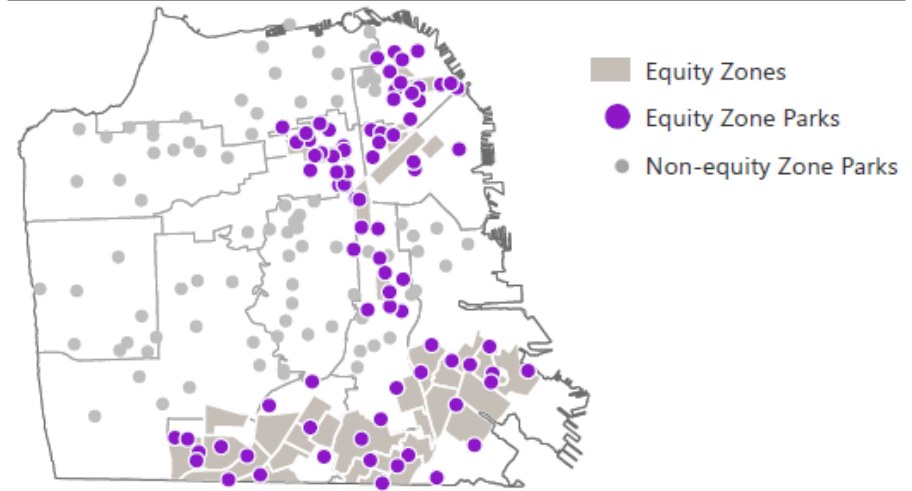
Figure 10 - Distribution of Scores of Equity Zone and Non-Equity Zone Parks

average = 90%

average = 88%

Non-equity Zone Parks

Equity Zone Parks

60% 64% 68% 72% 76% 80% 84% 88% 92% 96% 100%
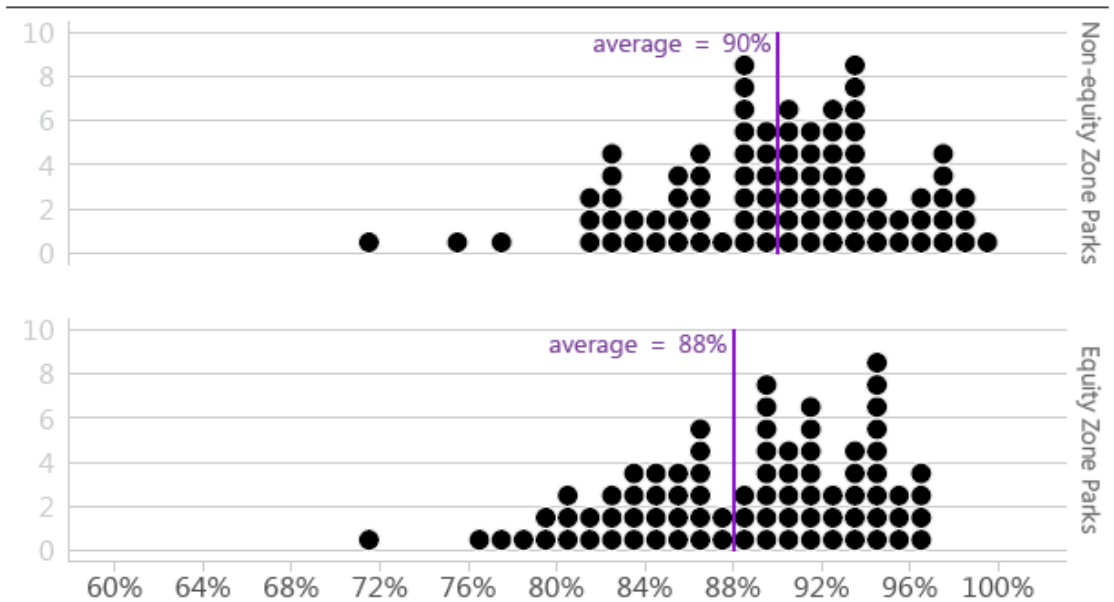
Annual Report, the true story

Figure 6 - Distribution of Park Scores by Supervisor District
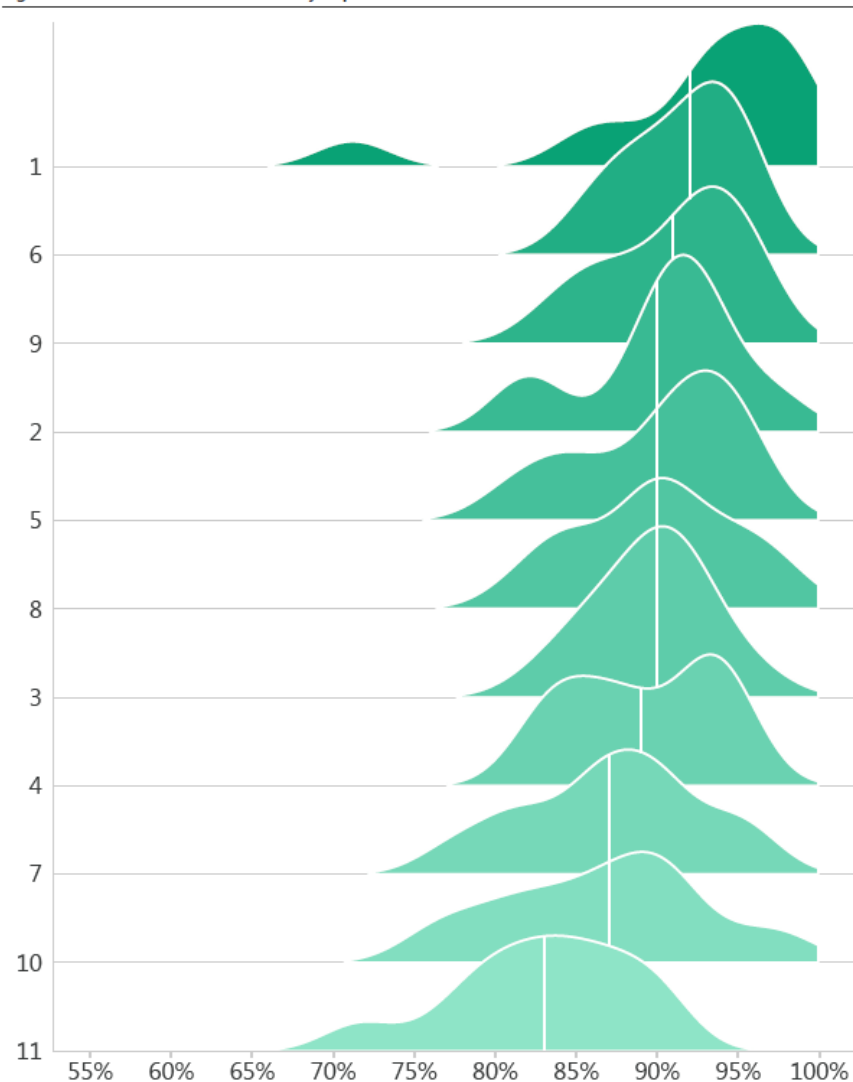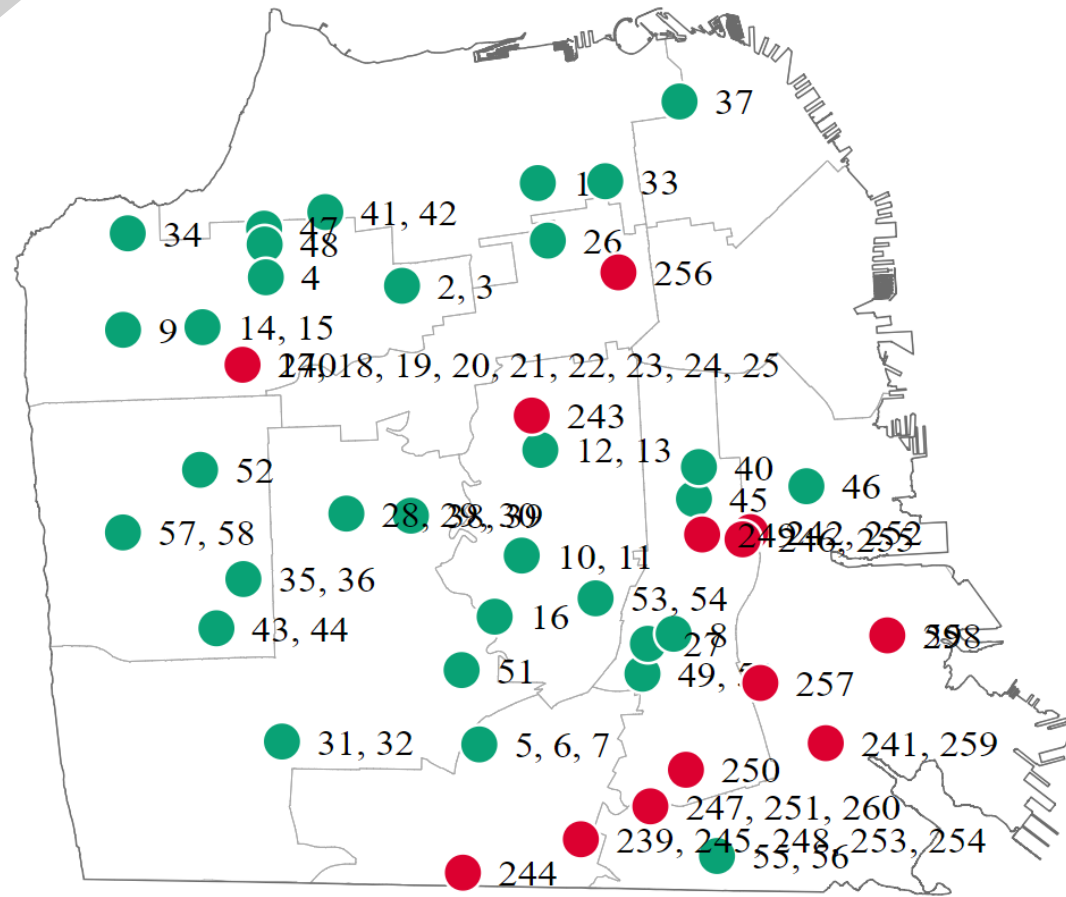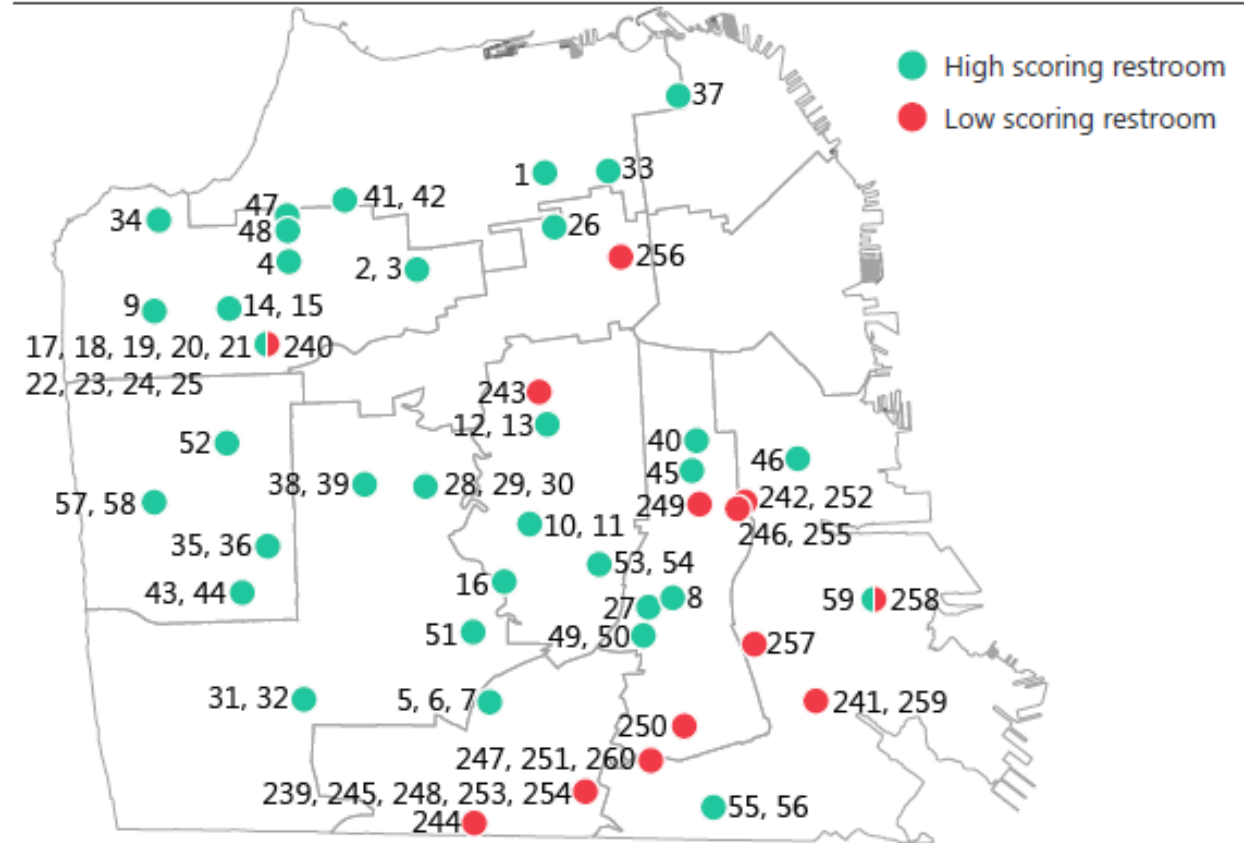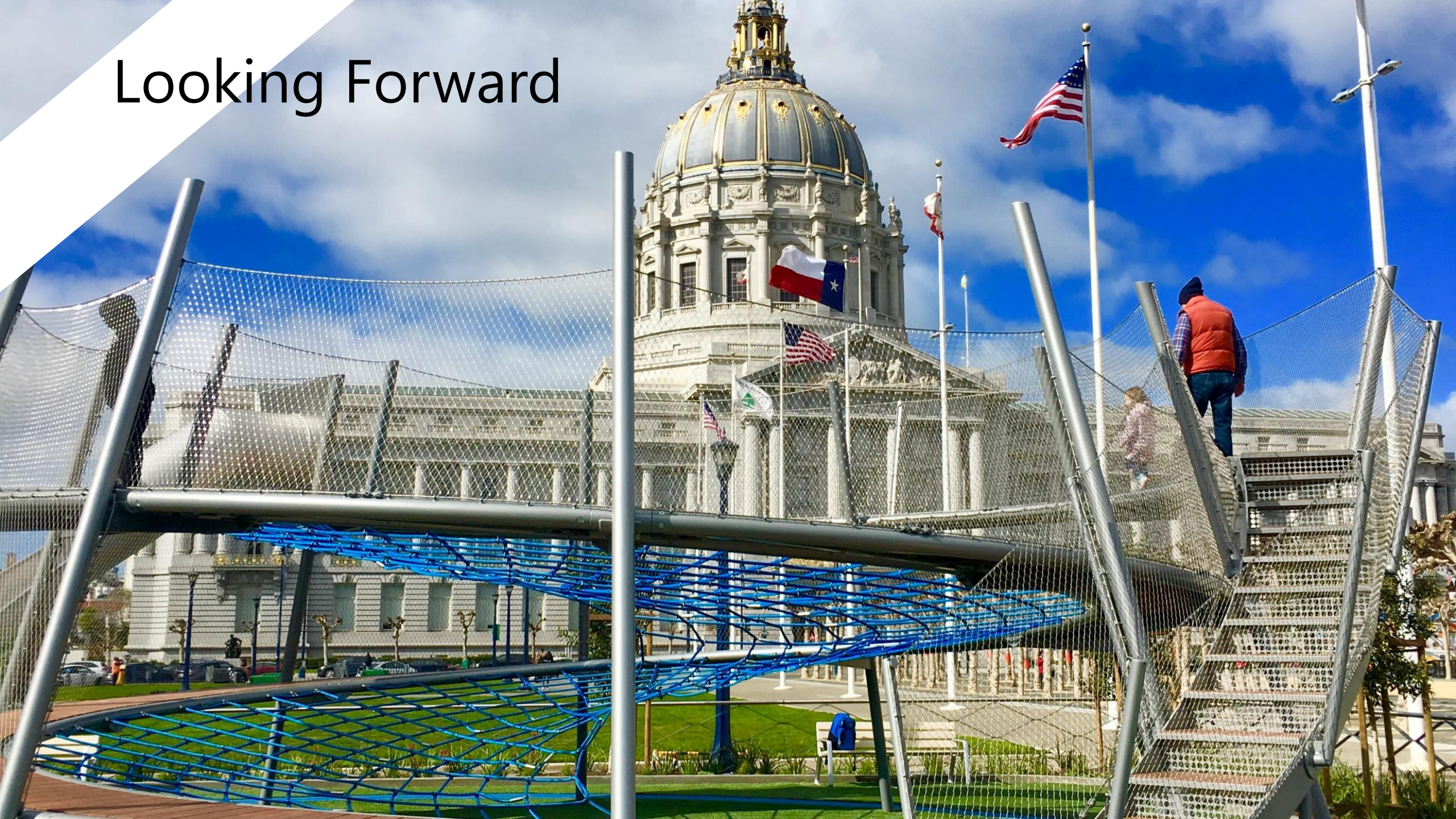
Annual Report, the true story

Figure 25 - Highest-Scoring and Lowest-Scoring Restrooms in FY18

Looking Forward

San Francisco
Park Maintenance

Emily Vontsolos, *Performance Analyst*

Emily.Vontsolos@gmail.com
@EmilyVontsolos