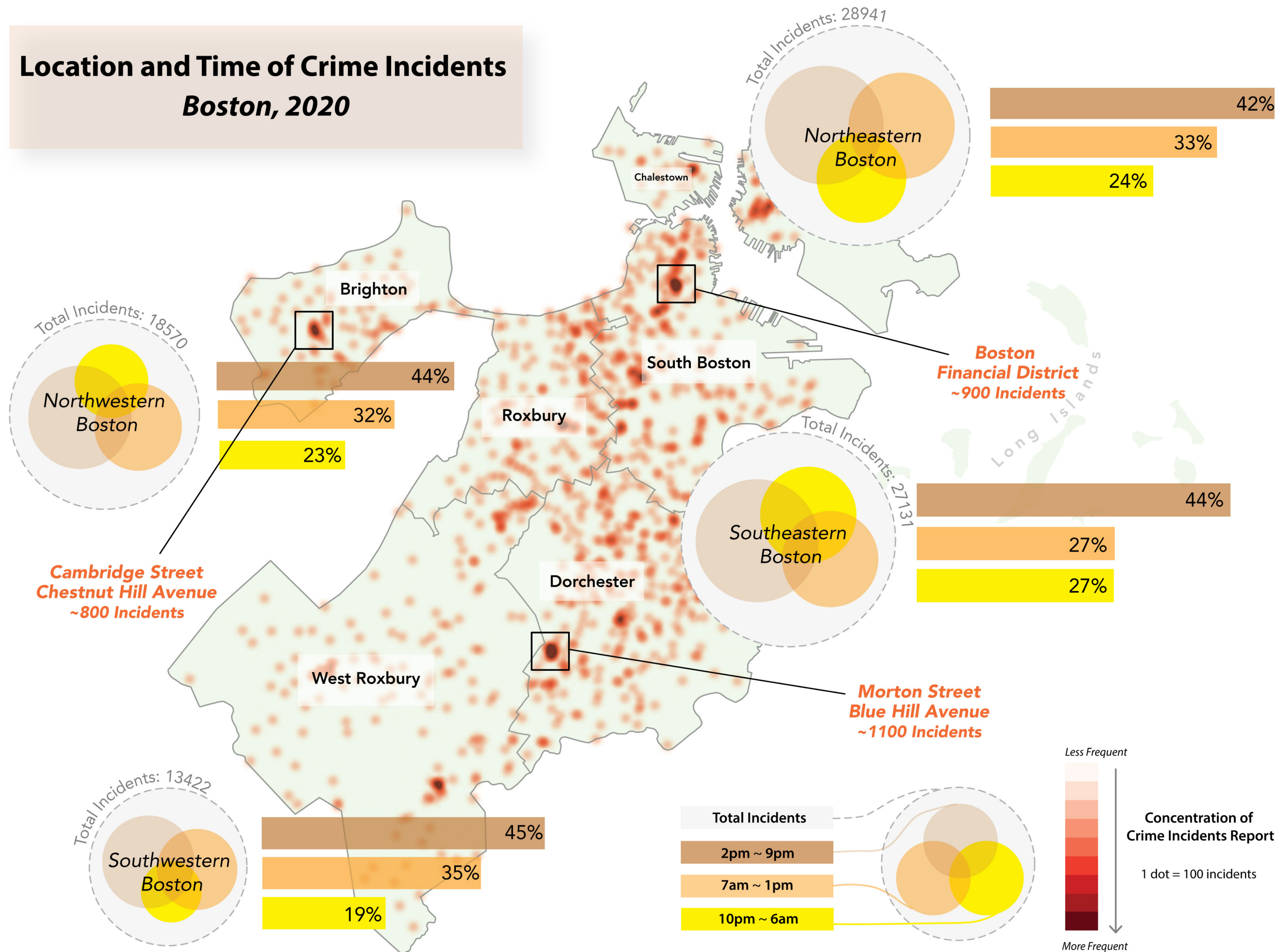# Crime and Police Activities

Boston, 2020

Emily Zhou

- When and where did incidents happen?

- Who and how many people were arrested?

- What is the service region and capacity of each police station?

Location and Time of Crime Incidents
Boston, 2020

Total Incidents: 28941

Northeastern Boston — 42% / 33% / 24%

Chalestown

Brighton

Boston Financial District ~900 Incidents

Total Incidents: 18570

Northwestern Boston — 44% / 32% / 23%

South Boston

Roxbury

Cambridge Street Chestnut Hill Avenue ~800 Incidents

Total Incidents: 27131

Southeastern Boston — 44% / 27% / 27%

Dorchester

Morton Street Blue Hill Avenue ~1100 Incidents

West Roxbury

Long Islands

Total Incidents: 13422

Southwestern Boston — 45% / 35% / 19%

Total Incidents
2pm ~ 9pm
7am ~ 1pm
10pm ~ 6am

Less Frequent

Concentration of Crime Incidents Report

1 dot = 100 incidents

More Frequent

Map By Emily Zhou   Data: MassGIS, Analyze Boston, Crime Statistics

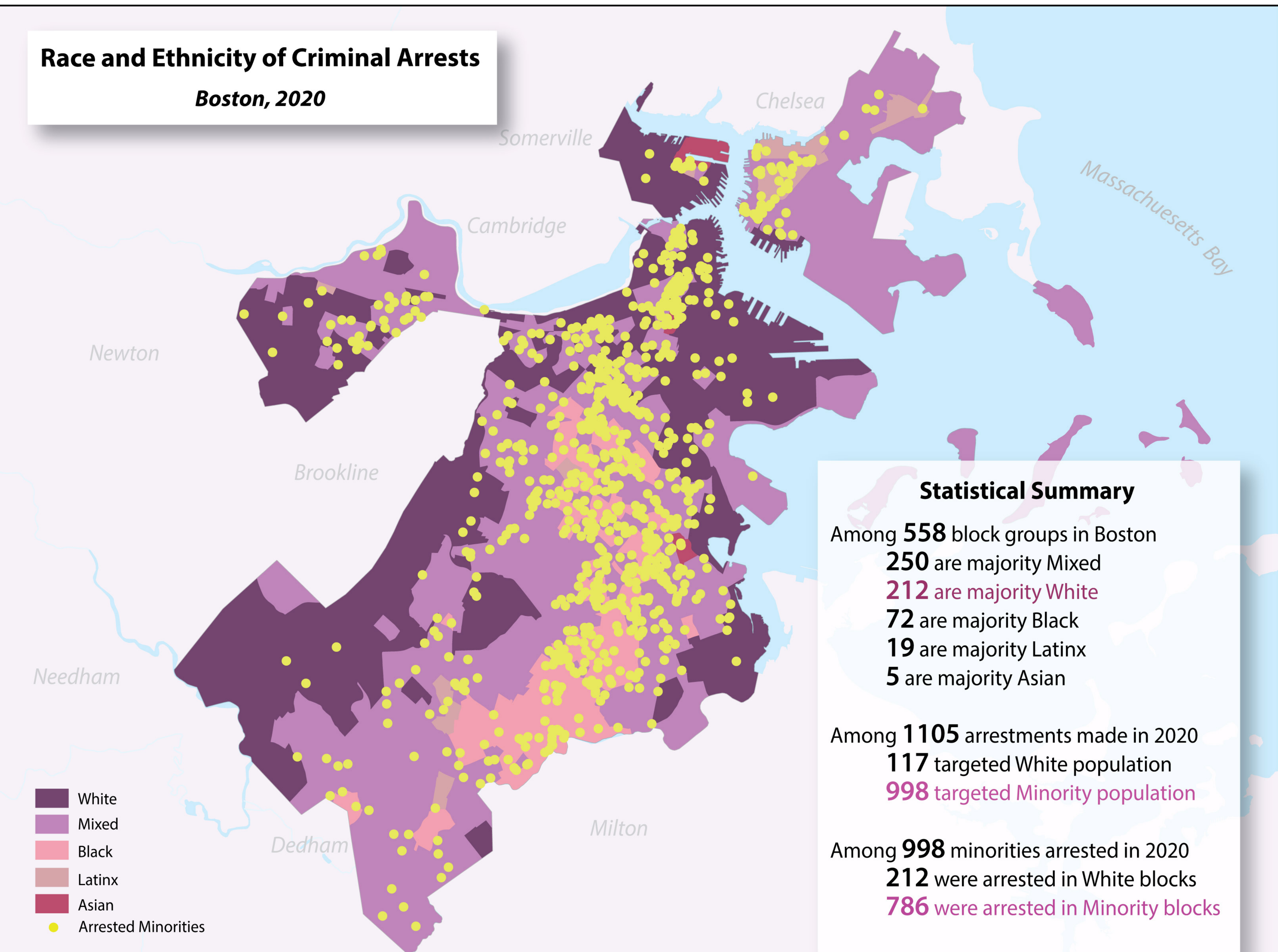## When and where did incidents happen?

More concentrated in eastern and northern Boston, particularly at the Financial District, Morton Street & Blue Hill Avenue, Cambridge Street & Chestnut Hill Avenue.

More likely to occur between 2pm-9pm.

Late night crimes are more often found in southeastern Boston.

Race and Ethnicity of Criminal Arrests
Boston, 2020

Legend:
- White
- Mixed
- Black
- Latinx
- Asian
- Arrested Minorities

Statistical Summary

Among **558** block groups in Boston
250 are majority Mixed
212 are majority White
72 are majority Black
19 are majority Latinx
5 are majority Asian

Among **1105** arrestments made in 2020
117 targeted White population
998 targeted Minority population

Among **998** minorities arrested in 2020
212 were arrested in White blocks
786 were arrested in Minority blocks

Map By Emily Zhou   Data: MassGIS, Analyze Boston, Crime Statistics

Who and how many people were arrested?
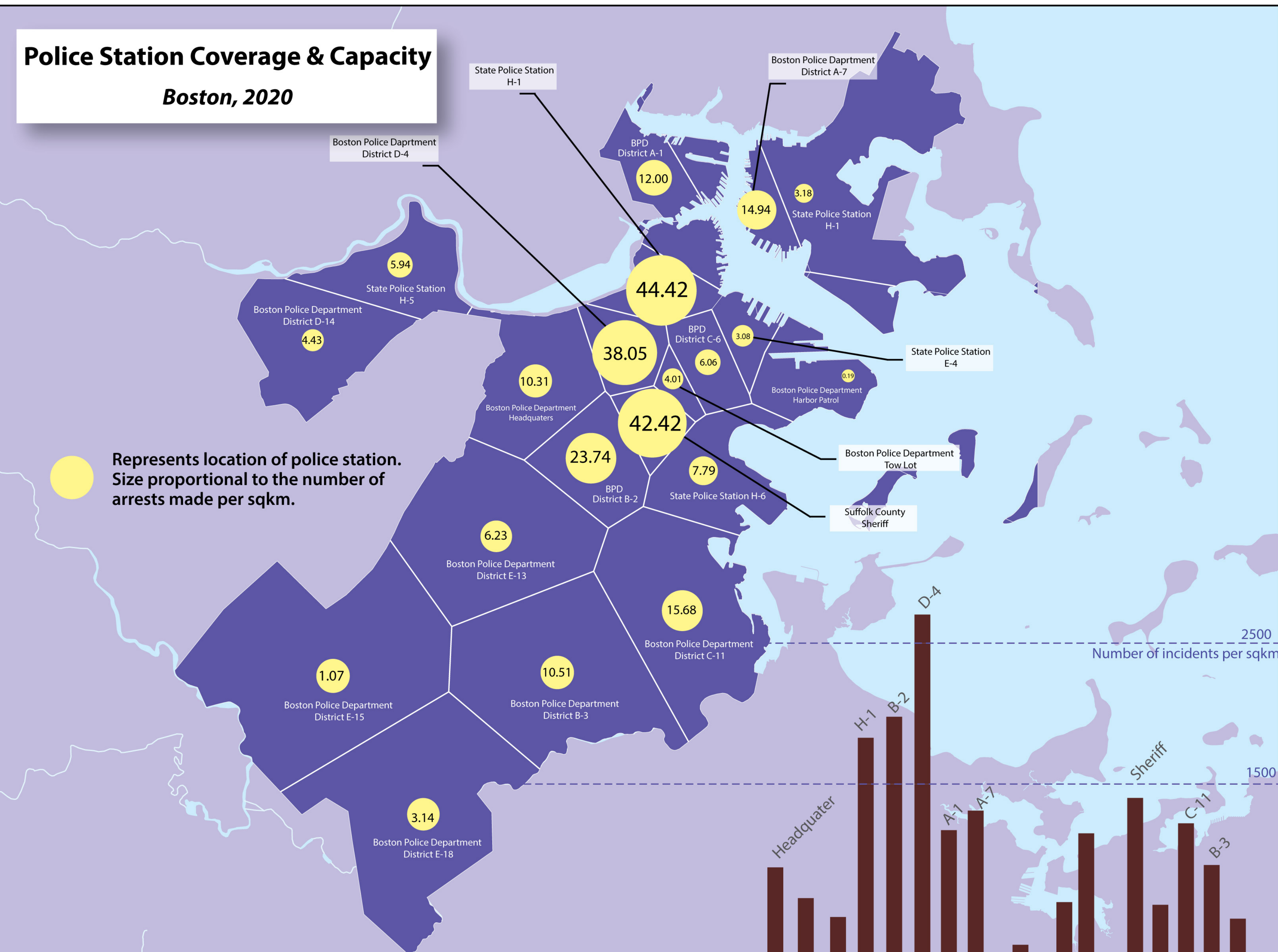
Boston is majority white and mixed.

Minorities are heavily policed.

Need to improve the safety of minority neighborhoods.

Police Station Coverage & Capacity
Boston, 2020

State Police Station
H-1

Boston Police Daprtment
District A-7

Boston Police Daprtment
District D-4

BPD
District A-1

12.00

14.94

3.18

State Police Station
H-1

State Police Station
H-5

5.94

Boston Police Department
District D-14

4.43

44.42

BPD
District C-6

3.08

State Police Station
E-4

38.05

6.06

0.19

10.31

4.01

Boston Police Department
Headquaters

Boston Police Department
Harbor Patrol

Represents location of police station.
Size proportional to the number of
arrests made per sqkm.

42.42

Boston Police Department
Tow Lot

23.74

7.79

Suffolk County
Sheriff

BPD
District B-2

State Police Station H-6

6.23

Boston Police Department
District E-13

15.68

D-4

1.07

10.51

Boston Police Department
District C-11

2500

Number of incidents per sqkm

Boston Police Department
District E-15

Boston Police Department
District B-3

H-1

B-2

Sheriff

1500

3.14

Headquater

A-1

A-7

C-11

B-3

Boston Police Department
District E-18

Map By Emily Zhou   Data: MassGIS, Analyze Boston, Crime Statistics

Assume that each arrest was made by police officers from the nearest police station.
What is the service region of each police station? What is the number of arrest per square km for each service region?

Police stations at northern Boston made significantly more arrests.

Need more police stations at the Financial District.

Improve the safety of minority neighborhoods by building more police stations at central Boston.

More policing between 2pm-9pm