

Questions

Question 3: What is the percentage of misconduct allegations (illegal search, use of force, etc) out of all allegations for these low, middle, high neighborhoods?

Question 4: Among the officer allegations with complaints filed in the low, middle, high neighborhood, what percentage of the cases are dismissed?

Setup database

Connection details to CPDB on NU server are as follows:

host: codd01.research.northwestern.edu

port: 5432

database: postgres

user: cpdbstudent

pw: DataSci4AI

Tableau Desktop will require this password for every log in.

How to view visualization for q3 (step-by-step)

Edit query to visualize Q3 for low-income demographics. Note, income condition < 30000. Press OK.

Edit Custom SQL ×

```
SELECT COUNT(*), data_allegationcategory.category

FROM data_area,
     data_allegation,
     data_allegation_areas,
     data_allegationcategory
where data_area.median_income is not null
and data_allegation_areas.area_id = data_area.id
and data_allegation_areas.allegation_id = data_allegation.crid
and data_allegation.most_common_category_id = data_allegationcategory.id
and data_allegation.is_officer_complaint = true
and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) < 30000

GROUP by data_allegationcategory.category
```

Preview Results... Insert Parameter ▼ OK Cancel

Edit query to visualize Q3 for middle-income demographics. Note, income condition > 30000 and < 75000. Press OK.

Edit Custom SQL ×

```
SELECT COUNT(*), data_allegationcategory.category

FROM data_area,
     data_allegation,
     data_allegation_areas,
     data_allegationcategory
where data_area.median_income is not null
and data_allegation_areas.area_id = data_area.id
and data_allegation_areas.allegation_id = data_allegation.crid
and data_allegation.most_common_category_id = data_allegationcategory.id
and data_allegation.is_officer_complaint = true
and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) > 30000
and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) < 75000

GROUP by data_allegationcategory.category
```

Preview Results... Insert Parameter ▼ OK Cancel

Edit query to visualize Q3 for high-income demographics. Note, income condition > 75000. Press OK.

Edit Custom SQL

X

```
SELECT COUNT(*), data_allegationcategory.category

FROM data_area,
     data_allegation,
     data_allegation_areas,
     data_allegationcategory
where data_area.median_income is not null
      and data_allegation_areas.area_id = data_area.id
      and data_allegation_areas.allegation_id = data_allegation.crid
      and data_allegation.most_common_category_id = data_allegationcategory.id
      and data_allegation.is_officer_complaint = true
      and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) > 75000

GROUP by data_allegationcategory.category
```

Preview Results...

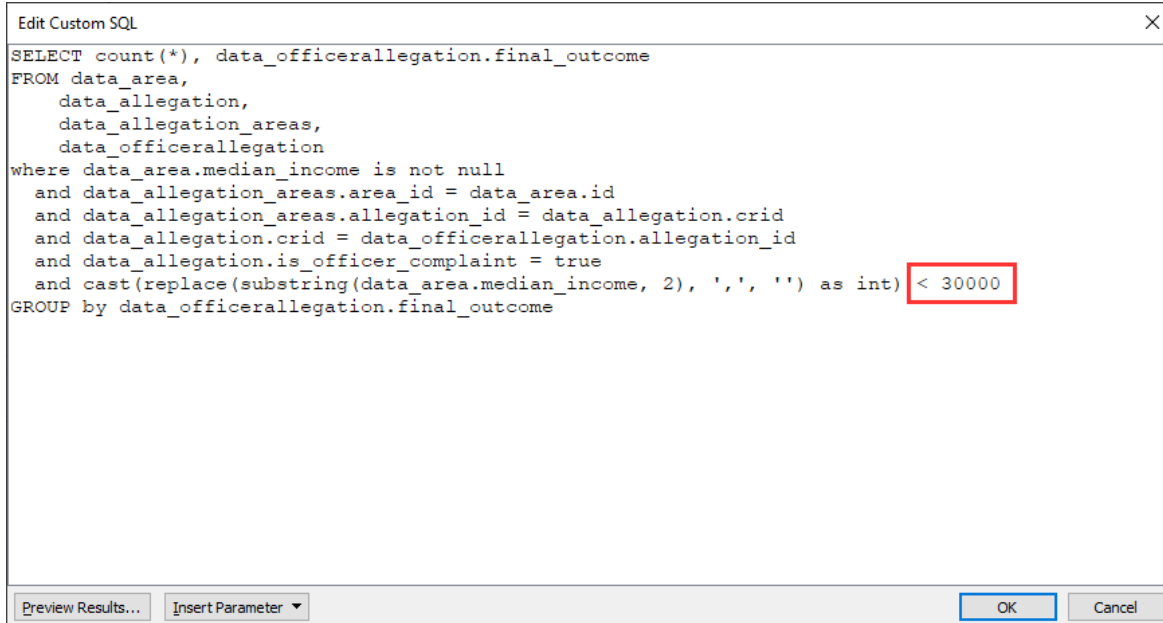
Insert Parameter ▼

OK

Cancel

How to view visualization for q4 (step-by-step)

Edit query to visualize Q4 for low-income demographics. Note, income condition < 30000. Press OK.

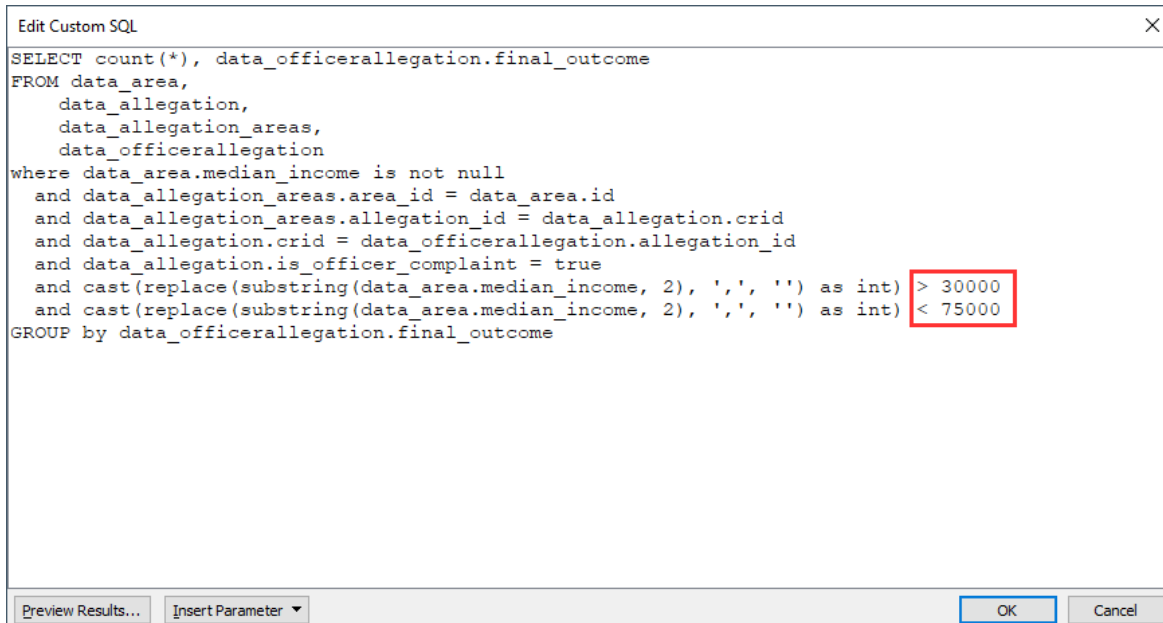


The screenshot shows a dialog box titled "Edit Custom SQL" with a close button (X) in the top right corner. The main text area contains the following SQL query:

```
SELECT count(*), data_officer allegation.final_outcome
FROM data_area,
     data_allegation,
     data_allegation_areas,
     data_officer allegation
where data_area.median_income is not null
     and data_allegation_areas.area_id = data_area.id
     and data_allegation_areas.allegation_id = data_allegation.crid
     and data_allegation.crid = data_officer allegation.allegation_id
     and data_allegation.is_officer_complaint = true
     and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) < 30000
GROUP by data_officer allegation.final_outcome
```

The condition "< 30000" is highlighted with a red rectangular box. At the bottom of the dialog, there are three buttons: "Preview Results...", "Insert Parameter" (with a dropdown arrow), and "OK" (highlighted with a blue border). A "Cancel" button is also present to the right of the "OK" button.

Edit query to visualize Q4 for middle-income demographics. Note, income condition > 30000 and < 75000. Press OK.



The screenshot shows a dialog box titled "Edit Custom SQL" with a close button (X) in the top right corner. The main text area contains the following SQL query:

```
SELECT count(*), data_officer allegation.final_outcome
FROM data_area,
     data_allegation,
     data_allegation_areas,
     data_officer allegation
where data_area.median_income is not null
     and data_allegation_areas.area_id = data_area.id
     and data_allegation_areas.allegation_id = data_allegation.crid
     and data_allegation.crid = data_officer allegation.allegation_id
     and data_allegation.is_officer_complaint = true
     and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) > 30000
     and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) < 75000
GROUP by data_officer allegation.final_outcome
```

The conditions "> 30000" and "< 75000" are highlighted with a red rectangular box. At the bottom of the dialog, there are three buttons: "Preview Results...", "Insert Parameter" (with a dropdown arrow), and "OK" (highlighted with a blue border). A "Cancel" button is also present to the right of the "OK" button.

Edit query to visualize Q4 for high-income demographics. Note, income condition > 75000. Press OK.

✕

Edit Custom SQL

```
SELECT count(*), data_officer.allegation.final_outcome
FROM data_area,
     data_allegation,
     data_allegation_areas,
     data_officer.allegation
where data_area.median_income is not null
     and data_allegation_areas.area_id = data_area.id
     and data_allegation_areas.allegation_id = data_allegation.crid
     and data_allegation.crid = data_officer.allegation.allegation_id
     and data_allegation.is_officer_complaint = true
     and cast(replace(substring(data_area.median_income, 2), ',', '')) as int) > 75000
GROUP by data_officer.allegation.final_outcome
```

Preview Results...

Insert Parameter ▼

OK

Cancel