-- Project 3 SQL Queries

-- CS-486

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-- Justin Greever

-- Alissa Friel

-- Christopher Lu

-- Samuel Khodakovskiy

-- Vinh Duong

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-- All query results are stored in files that are named the same as the question

-- they are answering.

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-- Example:

-- > Question: our question

-- > <SQL QUERY>

-- > Results stored in: our\_question.txt

**-- What is the greatest number of shootings in any month?**

**-- Results: What\_is\_the\_greatest\_number\_of\_shootings\_in\_any\_month.txt**

--

SELECT COUNT("Occurrence Date") AS "Shootings",

TO\_CHAR("Occurrence Date", 'YYYY-MM') AS "Month",

TO\_CHAR("Occurrence Date", 'Mon') AS "Month Name"

FROM p\_shootings

GROUP BY TO\_CHAR("Occurrence Date", 'YYYY-MM'),

TO\_CHAR("Occurrence Date", 'Mon')

ORDER BY "Shootings" DESC

LIMIT 1;

**-- What is the least committed crime?**

**-- Results: What\_is\_the\_least\_committed\_crime.txt**

--

SELECT "Offense Category"

AS "Crime", COUNT("Offense Category")

AS "Count"

FROM p\_crime\_data

GROUP BY "Crime"

ORDER BY "Count"

LIMIT 1;

**-- Show the average tenure of officers that have used force.**

**-- Results: Show\_the\_average\_tenure\_of\_officers\_that\_have\_used\_force.txt**

--

SELECT AVG("Officer Tenure")

AS "Average Tenure"

FROM p\_use\_of\_force;

**-- What are the shootings with the fewest number of casings recovered?**

**-- Results: What\_are\_the\_shootings\_with\_the\_fewest\_number\_of\_casings\_recovered.txt**

--

SELECT "Occurrence Date", "Precinct", "CasingsRecovered"

FROM p\_shootings

ORDER BY "CasingsRecovered" ASC;

-- **Are there any use of force incidents where the suspect did not resist?**

**-- Are\_there\_any\_use\_of\_force\_incidents\_where\_the\_suspect\_did\_not\_resist.txt**

--

SELECT COUNT(\*) AS "Number of uses of force where subject's resistance is passive"

FROM p\_use\_of\_force

WHERE "Subject Resistance - 1" = 'Passive';

-- **What is the range of the number of uses of force for all officers?**

**-- Results: What\_is\_the\_range\_of\_the\_number\_of\_uses\_of\_force\_for\_all\_officers.txt**

--

SELECT top."Officer", top.count AS "Greatest number of force usage",

bottom."Officer", bottom.count AS "Smallest number of force usage"

FROM

(SELECT "Officer", COUNT(\*)

FROM p\_use\_of\_force

GROUP BY "Officer"

ORDER BY COUNT(\*)::int DESC

LIMIT 1) AS top,

(SELECT "Officer", COUNT(\*)

FROM p\_use\_of\_force

GROUP BY "Officer"

ORDER BY COUNT(\*)::int

LIMIT 1) AS bottom;

-- **What race was each officer and subject in each incident?**

**-- Results: What\_race\_was\_each\_officer\_and\_subject\_in\_each\_incident.txt**

--

SELECT "Date Occurred", "Officer Race", "Subject Race"

FROM p\_officer\_involved\_shootings;

**-- What is the safest neighborhood, according to the number of incidents?**

**-- Results: What\_is\_the\_safest\_neighborhood\_according\_to\_the\_number\_of\_incidents.txt**

--

Select COUNT("Case Number"), "Neighborhood"

FROM p\_crime\_data

GROUP BY "Neighborhood"

ORDER BY COUNT("Case Number") ASC

LIMIT 1;

**-- What is the time of month with the most criminal activity?**

**-- Results: What\_is\_the\_time\_of\_month\_with\_the\_most\_criminal\_activity.txt**

--

SELECT COUNT(\*) AS "Number of criminal occurrences", "Occur Date" AS "Year, time of month"

FROM p\_crime\_data

GROUP BY "Occur Date"

ORDER BY "Number of criminal occurrences" DESC

LIMIT 1;

**-- Time of day with the most criminal activity?**

**-- Results: Time\_of\_day\_with\_the\_most\_criminal\_activity.txt**

--

Select COUNT("Case Number"), "Occur Time"

FROM p\_crime\_data

GROUP BY "Occur Time"

ORDER BY COUNT("Case Number") DESC

LIMIT 1;

**-- Show all crimes involving weapons.**

**-- Results: Show\_all\_crimes\_involving\_weapons.txt**

--

SELECT "Offense Category", "Offense Type", COUNT(\*)

FROM p\_crime\_data

WHERE "Offense Category" = 'Weapon Law Violations'

GROUP BY "Offense Category", "Offense Type"

ORDER BY "Offense Category", "Offense Type";

-- **What district has the most fatalities?**

**-- Results: What\_district\_has\_the\_most\_fatalities.txt**

--

SELECT p\_officer\_involved\_shootings."General Location",

COUNT(p\_officer\_involved\_shootings."Was Subject Injury Fatal") AS "Number of Fatalities"

FROM p\_officer\_involved\_shootings

GROUP BY "Date Occurred", "Was Subject Injury Fatal",

"General Location"

ORDER BY "Number of Fatalities" DESC

LIMIT 1;

-- **List all officer on-the-job injuries.**

**-- Results: List\_all\_officer\_on-the-job\_injuries.txt**

--

SELECT

(SELECT SUM("Number of Officers Injured on Case")

FROM p\_officer\_involved\_shootings)

+

(SELECT COUNT("Officer Fatally Injured")

FROM p\_officer\_involved\_shootings)

AS SumCount;

-- **Show all crimes by race.**

**-- Results: Show\_all\_crimes\_by\_race.txt**

--

SELECT p\_use\_of\_force."Subject - Race", COUNT(p\_use\_of\_force."Subject - Race")

FROM p\_use\_of\_force

GROUP BY p\_use\_of\_force."Subject - Race"

ORDER BY COUNT(p\_use\_of\_force."Subject - Race") DESC;

-- **Highest committed crime by race**

**-- Results: Highest\_committed\_crime\_by\_race.txt**

--

SELECT DISTINCT on ("Suspect Race") "Suspect Race", "Most Common Crime Type"

FROM

(SELECT "Primary Offense Type" AS "Most Common Crime Type", "Suspect Race", COUNT(\*) AS count

FROM p\_bias\_crime

GROUP BY "Primary Offense Type", "Suspect Race"

ORDER BY "Suspect Race", count DESC) AS top\_crimes;

-- **Get the number of crimes committed by each gender.**

**-- Results: Get\_the\_number\_of\_crimes\_committed\_by\_each\_gender.txt**

--

SELECT COUNT (\*) AS "Number of crimes committed", "Suspect Gender"

FROM p\_bias\_crime

GROUP BY "Suspect Gender";

-- **Show crimes committed by each age group.**

**-- Results: Show\_crimes\_committed\_by\_each\_age\_group.txt**

**--**

SELECT "Suspect Age", COUNT (\*) AS "Number of crimes committed"

FROM p\_bias\_crime

GROUP BY "Suspect Age"

ORDER BY "Suspect Age" DESC;

-**- Show all civilian deaths related to police activities.**

**-- Results: Show\_all\_civilian\_deaths\_related\_to\_police\_activities.txt**

**--**

SELECT COUNT("RecordID")

FROM p\_officer\_involved\_shootings

WHERE "Was Subject Injury Fatal";

**-- What are the top 10 precincts with the highest uses of force?**

**-- Results: What\_are\_the\_top\_10\_precincts\_with\_the\_highest\_uses\_of\_force.txt**

--

SELECT "Officer Precinct", COUNT(\*) AS "Number of Force Use"

FROM p\_use\_of\_force

GROUP BY "Officer Precinct"

ORDER BY "Number of Force Use" DESC

LIMIT 10;

**-- Tenured officers who only used force once?**

**-- Results: Tenured\_officers\_who\_only\_used\_force\_once.txt**

--

SELECT "Officer", COUNT(\*)

FROM p\_use\_of\_force

WHERE "Force Applied - 1" IS NOT NULL

AND "Officer" IS NOT NULL

GROUP BY "Officer"

HAVING COUNT(\*) < 2

ORDER BY COUNT(\*) DESC;

-**- How many suspect fatalities involved officer injuries?**

**-- Results: How\_many\_suspect\_fatalities\_involved\_officer\_injuries.txt**

--

SELECT total\_fatalities.count AS "Total subject fatalities in officer-involved-shootings", fatalities\_with\_injury.count AS "Fatalities that involved officer injuries"

FROM

(SELECT COUNT(\*) AS count FROM p\_officer\_involved\_shootings

WHERE "Was Subject Injury Fatal" = true AND "Any Officers Injured on Case" = true) AS fatalities\_with\_injury,

(SELECT COUNT(\*) AS count

FROM p\_officer\_involved\_shootings

WHERE "Was Subject Injury Fatal" = true) AS total\_fatalities;

**-- How many calls were made related to disorders?**

**-- Results: How\_many\_calls\_were\_made\_related\_to\_disorders.txt**

--

SELECT COUNT("Final Call Category") AS mental\_disorder\_related\_calls

FROM p\_dispatched\_calls

WHERE "Final Call Category" = 'Disorder';

--! END FILE !--