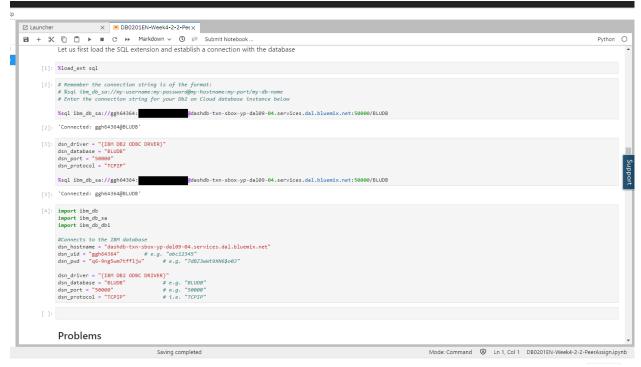
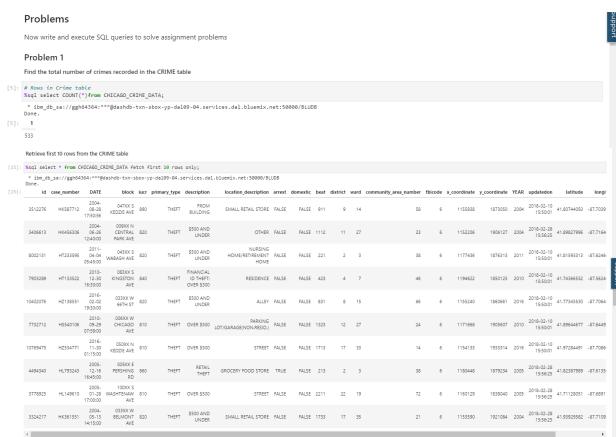
Chicago





	Problem 3
- 1	How many crimes involve an arrest?
ļ	Did you know? IBM Watson Studio lets you build and deploy an Al solution, using the best of open source and IBM software and giving your team a single environment to work in. Learn more here.
1: [Nsql select COUNT(ARREST) from CHICAGO_CRIME_DATA_WHERE ARREST = TRUE;
	* ibm_db_sa://ggh64364:***@dashdb-txn-sbox-yp-dal09-04.services.dal.bluemix.net:50000/BLUOB Done.
	163
	Problem 4
,	Which unique types of crimes have been recorded at GAS STATION locations?
1: [NSq1 select DISTINCT PRIMARY_TYPE from CHICAGO_CRIME_DATA WHERE LOCATION_DESCRIPTION = 'GAS STATION';
	* im_ub_sat//ggm64364:***@dashdo-txn-sbox-yp-da109-04.services.dal.bluemix.net:50000/BLUDB Done.
	primary type
	CRIMINAL TRESPASS
	NARCOTICS
	ROBBERY
	THEFT
[9]	Problem 5 In the CENUS_DATA table list all Community Areas whose names start with the letter 'B'. Msql select COMMUNITY_AREA_NAME from CENUS_DATA IMPERE COMMUNITY_AREA_NAME LIKE 'BB';
	* iDm_db_ss://ggh64364;***@dashdb-txn-sbox-yp-dal09-04.services.dal.bluemix.net:50000/SLLD8 Done.
[9]	community area_name
[9]	
[9]	community_area_name
[9]	s community_area_name Beimont Cragin
[9]	s community_area_name Beimont Cragin Burnside
[9]	E community area_name Belmont Cragin Burnside Brighton Park
[9]	Beimont Cragin Burnside Brighton Park Bridgeport Beverly
	Belmont Cragin Bunside Brighton Park Bridgeont Beverly
	Beimont Cragin Burnside Brighton Park Bridgeport Beverly
[]	Belmont Cragin Burnside Brighton Park Brighton Park Brighton Park Brighton Park Brighton Beverly Problem 6
[]	Bermont Cragin Burnside Brighton Park Bridgeport Beverly Problem 6 Which schools in Community Areas 10 to 15 are healthy school certified? Saq1 select name_of_school from CHICAGO_PUBLIC_SCHOOL where community_area_number >= 10 and community_area_number <=15 and healthy_school_certified = 'Yes' * ibm_db_sas//ggind-33d-;***@dashio-*txn-sbox-yp-da189-94-services.dal.bluemix.net:\$0000/BLUDB
[]	Bemont Cragin Bemont Cragin Burnide Benyide Benyide

Problem 7

What is the average school Safety Score?

[19]: %sql select avg(safety_score) as avg_safety_score from CHICAGO_PUBLIC_SCHOOL ibm_db_sa://ggh64364:***@dashdb-txn-sbox-yp-dal09-04.services.dal.bluemix.net:50000/BLUD8 Done. [19]: avg_safety_score

49.504873

Problem 8

List the top 5 Community Areas by average College Enrollment [number of students]

[12]: %sql select COMMUNITY_AREA_NAME, AVG (COLLEGE_ENROLLMENT) AS STUDENTNUM FROM CHICAGO_PUBLIC_SCHOOL\
GROUP BY COMMUNITY_AREA_NAME ORDER BY STUDENTNUM DESC LIMIT 5

* ibm_db_sa://ggh64364:***@dashdb-txn-sbox-yp-da109-04.services.dal.bluemix.net:50000/BLUDB Done.

[12]: community_area_name studentnum

ARCHER HEIGHTS 2411.500000 MONTCLARE 1317.000000 WEST ELSDON 1233.333333 BRIGHTON PARK 1205.875000 BELMONT CRAGIN 1198.833333

Problem 9

Use a sub-query to determine which Community Area has the least value for school Safety Score?

[13]: Msql select COMPUNITY_AREA_NAME_COMPUNITY_AREA_NAME from CHICAGO_PUBLIC_SCHOOL\
where SAFETY_SCORE = (select MIN (SAFETY_SCORE) from CHICAGO_PUBLIC_SCHOOL);

* inm_db_sa://ggh64364:***@dashdo-txm-sbox-yp-dal09-04.services.dal.bluemix.net:50000/8LUD8
Done.

[13]: community_area_name community_area_name_1

WASHINGTON PARK WASHINGTON PARK

Problem 10

[Without using an explicit JOIN operator] Find the Per Capita Income of the Community Area which has a school Safety Score of 1.

[21]: Msql select per_capita_income from CBHSUS_DATA \
where community_area_number = (select community_area_number from CHICAGO_PUBLIC_SCHOOL where safety_score = 1)

* ibm_db_sa://ggh64364:***@dashdb-txn-sbox-yp-da109-04.services.dal.bluemix.net:50000/BLUDB
Done.

[21]: per_capita_income

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Author(s)