

UCOP Data User Group Group Exercise

November 29, 2017

Group Exercise

▶ Project Goal:

- Write a SQL query that extracts a DISTINCT headcount of students enrolled in AY 2016 and present the results by campus
- Steps:
 - Specify the variables: Find the variables you need to extract in order to show the result
 - Find the corresponding tables
 - Write SQL query to join the tables
 - Show the results by executing the query

ANSWER...

```
▶ SELECT      CLD.CMP_LOC_LOC1_MXD_CASE_LNG_DESC,  
▶            AST.ACAD_SUB_T_ACAD_YR,  
▶            COUNT(DISTINCT STUD_ID) AS STUDENT_COUNT  
▶ FROM        STUD_BI.ENROLLMENT_F EF  
▶ INNER JOIN  STUD_BI.ACADEMIC_SUB_TERM_D AST  
▶ ON          AST.ACAD_SUB_T_KEY = EF.ACAD_SUB_T_KEY  
▶ INNER JOIN  STUD_BI.STUDENT_D SD  
▶ ON          SD.STUD_KEY = EF.STUD_KEY  
▶ INNER JOIN  STUD_BI.CAMPUS_LOCATION_D CLD  
▶ ON          CLD.CMP_LOC_KEY = EF.CMP_LOC_KEY  
▶ WHERE      EF.ENRL_MAJ_CMPNT_NUM = 1  
▶ AND        AST.ACAD_SUB_T_ACAD_YR = '2016'  
▶ GROUP BY   CLD.CMP_LOC_LOC1_MXD_CASE_LNG_DESC,  
▶           AST.ACAD_SUB_T_ACAD_YR  
▶ ORDER BY   CLD.CMP_LOC_LOC1_MXD_CASE_LNG_DESC,  
▶           AST.ACAD_SUB_T_ACAD_YR
```

Result Set!4

#	CMP_LOC_LOC1_MXD_CASE_LNG_DESC	ACAD_SUB_T_ACAD_YR	3
1	Berkeley	2016	47884
2	Davis	2016	40127
3	Irvine	2016	37024
4	Los Angeles	2016	52133
5	Merced	2016	7707
6	Riverside	2016	24896
7	San Diego	2016	38382
8	San Francisco	2016	4888
9	Santa Barbara	2016	25980
10	Santa Cruz	2016	20267