

Cal Answers Dashboard Training

Student Demographics & Outcomes (D&O) Subject Area

(contains 30 years of historical data)

Key Questions Answered by the D&O Dashboards



At a Glance

- 1) What are the top 5 largest majors for UC Berkeley undergraduates and, separately, graduate students?
- 2) What is the 10-year trend in the number of degree recipients across the three degree levels of Bachelor's, Master's/Professional, Doctoral?
- 3) The At a Glance dashboard also includes a graphical depiction of the most recent graduation data for freshmen and transfer entrants.

Census

- 1) What is the count of registered students at the campus level or within a specific unit (e.g., College, Division, Department, Major), for a given semester?
- 2) What are the characteristics of these students? (e.g., ethnicity, gender, residency, entry status as a freshman or transfer, status as an undergraduate or graduate student)
- 3) What are the trends in the number of students within a given population (e.g., nonresident) or with a declared major (e.g., anthropology)?
- 4) How does a given unit (e.g., Department) compare to the campus as a whole with respect to their percentage of female or underrepresented minority students?

Degrees Earned

- 1)
 - a. **How many students** were awarded degrees within a given timeframe (e.g., academic year), for a given degree level (e.g., Bachelor, Doctoral), and within a specific unit (e.g., Campus, College, Department, Major).
 - b. **How many degrees** were awarded to students within a given timeframe, by degree level, and within a specific unit? **Note: individual students can earn multiple degrees. Thus, this question is different from Q.1a. above.**
- 2) What are the characteristics of degree recipients (e.g., gender, ethnicity)?
- 3) What are the trends in the # of degree recipients or the # of degrees awarded:
 - (a) over a given timeframe, (b) for a given population, & (c) within a campus unit?

- 4) How does a given unit compare to the campus with respect to their percentage of female or underrepresented minority degree recipients?

Key Questions Answered by the D&O Dashboards (Cont'd)

Graduation, Retention, & Time to Degree (undergraduate students only)

- 1) What percentage of undergraduates who entered UC Berkeley in a particular semester (e.g., Fall 2007) graduated within a specific timeframe (e.g., 4 years)?
- 2) What percentage of new undergraduates returned to register 1-year later, 2-years later, etc.? This is known as a retention rate.
- 3) What are the retention and graduation rates of students across various demographic characteristics, and over time?
- 4) How many undergraduates who enter a specific College (e.g., Letters & Science) are retained or graduate within a certain timeframe? **Note: Graduation & Retention data is only available for the Campus and College levels. Data is not available for individual majors or departments because most students enter Berkeley as undeclared.**
- 5) How long did it take degree recipients to graduate? What was their mean and median time-to-degree? How many years or semesters did it take for them to graduate? What was the *elapsed calendar* time-to-degree?
- 6) How does undergraduate time-to-degree vary across academic units (e.g., college, department), by student demographics (e.g., gender, ethnicity), academic performance in their first year at Berkeley (e.g., first-year probation), or by major type (e.g., single, double, triple)? **Note: Time-to-degree data is available at the campus, college, division, department, and major levels.**

Select Resources - Student Demographics & Outcomes Dashboards

Census Video Tutorials:

[Viewing Counts of Registered Students by Select Demographics \(3min\)](#)

[Viewing Counts of Registered Students by Campus Unit \(3min\)](#)

Graduation & Retention Video Tutorial:

[Determining Graduation Rates \(3min\)](#)

Wiki & Reference Guides:

[Student Demographics & Outcomes Wiki](#)

[Census](#)

[Degrees Earned](#)

[Graduation & Retention](#)

Cal Answers Dashboard Homework

Student Demographics & Outcomes (D&O)

Directions: Please use the dashboards in the Student Demographics & Outcomes subject area to answer the problem sets below. Should you need additional information about a particular concept (e.g., graduation rates) or data field (e.g., Registrn Elig Status Desc) within a dashboard, please explore the resources and links provided on the “Overview” tab.

Problem set1: Census

- a) How many registered undergraduates were new students at UC Berkeley in Fall 2012?

- b) How many of these new students were new freshmen? How many were new transfers?

Problem set2: Graduation and Retention

- a) Find the 1 year retention rate for international transfer students who entered in Fall 2009. Describe what this 1 year retention rate actually tells us.

Problem set3: Degrees Earned

- a) How many degrees were awarded to undergraduates in the 2011-12 academic year?

- b) How many undergraduates received degrees in the 2011-12 academic year?

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Cal Answers Dashboard Homework

Answer Key: Demographics & Outcomes

Problem set1: Census

a) How many registered undergraduates were new students at UC Berkeley in Fall 2012? **6,346**

Census Counts

Select Field 1: Registrn Elig Status Desc Select Field 2: Registrn Elig Status Desc Select Field 3: Registrn Elig Status Desc Select Field 4: Registrn Elig Status Desc

Select Data View: Headcount Table

					Student Census Headcounts
					2012 Fall
Student Level	Registrn Elig Status Desc	Registrn Elig Status Desc	Registrn Elig Status Desc	Registrn Elig Status Desc	
U	Continuing	Continuing	Continuing	Continuing	18,789
	New	New	New	New	6,346
	Returning	Returning	Returning	Returning	633
	Visitor	Visitor	Visitor	Visitor	6
U Total					25,774

b) How many of these new students were new freshmen? **4,162** How many were new transfers? **2,182**

Census Counts

Select Field 1: Registrn Elig Status Desc Select Field 2: Entry Status Desc Select Field 3: Entry Status Desc Select Field 4: Entry Status Desc

Select Data View: Headcount Table

					Student Census Headcounts	
					2012 Fall	
Student Level	Registrn Elig Status Desc	Entry Status Desc	Entry Status Desc	Entry Status Desc		
U	Continuing	ADVANCED STANDING	ADVANCED STANDING	ADVANCED STANDING	3,307	
		NEW FRESHMEN	NEW FRESHMEN	NEW FRESHMEN	15,441	
		SECOND BACHELOR	SECOND BACHELOR	SECOND BACHELOR	4	
					37	
		New	ADVANCED STANDING	ADVANCED STANDING	ADVANCED STANDING	2,182
			NEW FRESHMEN	NEW FRESHMEN	NEW FRESHMEN	4,162
	SECOND BACHELOR		SECOND BACHELOR	SECOND BACHELOR	2	
	Returning		ADVANCED STANDING	ADVANCED STANDING	ADVANCED STANDING	149
			NEW FRESHMEN	NEW FRESHMEN	NEW FRESHMEN	459

Problem set2: Graduation and Retention

- a) Find the 1 year retention rate for international transfer students who entered in Fall 2009. 93.5% Describe what this 1 year retention rate actually tells us. Of the international transfer students who entered UC Berkeley in Fall 2009, 93.5% of them either returned in Fall 2010 or had graduated by that time.

Undergraduate Cohort Retention Data

Select Data View: 1 Year Headcount % Table

		Undergraduate Entry Cohorts:
		2009 Fall
One-Year Retention		
Retained for/Graduated in 1 Calendar Year		93.5%
Not Retained for 1st Year/No Data Yet		6.5%
Grand Total		100.0%

The filters used to display these values are:

Semester Year Name Concat is equal to **2009 Fall**
 and CASE Applicant Type Cd WHEN '4' THEN 'New Freshmen' WHEN '6' THEN 'Transfers' ELSE 'Other' END is equal to **Transfers**
 and Ucb Level1 Ethnic Rollup Desc is equal to **International**

Problem set3: Degrees Earned

- a) How many degrees were awarded to undergraduates in the 2011-12 academic year? 7,524

Degree Counts

Select Data View: Prorated Degrees Awarded Table

		Degrees Awarded Prorated Counts
Degree Level	Campus Unit	2011-12
Bachelor	All	7,524.0
Masters/Professional	All	2,541.0
Doctoral	All	887.0
Grand Total		10,952.0

Please note that when viewing headcount data, the grand total line counts unduplicated degree recipients and so may not equal the sum of the row values.

- b) How many undergraduates received degrees in the 2011-12 academic year? 7,313

Degree Counts

Select Data View: Headcount Degree Recipients Table

		Degree Recipient Headcounts
Degree Level	Campus Unit	2011-12
Bachelor	All	7,313
Masters/Professional	All	2,493
Doctoral	All	887
Grand Total		10,676

Please note that when viewing headcount data, the grand total line counts unduplicated degree recipients and so may not equal the sum of the row values.