UCI
Bright Past.
Brilliant Future.

Undergraduate Trends and Challenges at UCI
February 14, 2017
Overview of Presentation

• Our undergraduate student demographic changes in recent years
  – Campus trends over time
  – UCI compared with peer institutions

• Major things to be PROUD about!
  – But also, areas where we can improve and focus some attention.

• Applicant, Admit, and Enrollment characteristics by various measures

• Where admitted students go, if not to UCI
Office of Institutional Research

Who we are
We perform research, analysis, and reporting that supports campus academic planning, strategic decision-making, enrollment management, and program assessment. Our office collects, analyzes, and interprets a wide variety of data about UC Irvine and its external environment for the purposes of assessing institutional outcomes, measuring institutional performance against strategic planning goals, comparative analysis with peer institutions, and reporting to campus constituencies and external agencies. Our office reports to the Vice Chancellor–Planning and Budget.

http://www.oir.uci.edu
As we all know, this year we had the most enrolled undergraduates ever...
But what is also surprising is the rapid change in our student characteristics...

Undergraduate Enrollment by Ethnicity
Fall 1997 to Fall 2016

Source: OIR's tbl3rdWeekStudents, various years; queried on 02/13/17.

UC Irvine
Office of Institutional Research
Better seen as percentages of our total undergraduate enrollment...

Undergraduate Enrollment by Ethnicity
Fall 1997 to Fall 2016

Source: OIR's tbl3rdWeekStudents, various years; queried on 02/13/17.
And we can expect continued growth in our Hispanic enrollments in particular...

California Race and Ethnicity Percentages by Age and Year

Especially given our local top 5 feeder counties...

Race and Ethnicity Percentages for the Top 5 Feeder Counties
Orange, Los Angeles, Riverside, San Bernardino, and San Diego
by Age and Year

Source: California State Department of Finance, 12/15/14.
http://www.dof.ca.gov/research/demographic/data/proj/P-3/
What do these demographic changes mean?

- How will we differ from our AAU peers?
- What will be our challenges?
Using the most recently available data, UCI is in the top 5 of AAUs in terms of Under-represented minority enrollments.

Under-represented Minority Undergraduate Enrollments
as a Percentage of Undergraduate Total Enrollments at AAU Institutions
Academic Year: 2014-2015

Source: IPEDS Fall Enrollment data, AAUDE Data Warehouse queried on 02/13/17.
Which is a significant change for us from just five years before, when we were about 15th…

Under-represented Minority Undergraduate Enrollments
as a Percentage of Undergraduate Total Enrollments at AAU Institutions
Academic Year: 2010-2011

Source: IPEDS Fall Enrollment data, AAUE Data Warehouse queried on 02/13/17.

UC Irvine
Office of Institutional Research
And as we look to the future, UCI has the highest % of Under-represented New Freshman among AAUs.

Under-represented Minority First-time, Full-time Freshman Enrollments as a Percentage of Total First-time, Full-time Freshman Enrollments at AAU Institutions
Academic Year: 2014-2015

Source: IPEDS Fall Enrollment data-Student Type: Full-time, first-time, first-year, degree-seeking undergraduates, AADE Data Warehouse queried on 02/13/17.
What might this mean? Well, there are Achievement gaps for under-represented minority students with various student success measures.
But even with our internal Achievement Gaps, our freshman cohorts usually perform better than our AAU Public Peers...

UCI and AAU Publics 2nd Year Retention Rates by Ethnicity from 2004 to 2013

Source: CSRDE AAUDE data, AAUDE Data Warehouse queried on 02/13/17.
But even with our internal Achievement Gaps, our freshman cohorts usually perform better than our AAU Public Peers…

UCI and AAU Publics 4 Year Graduation Rates by Ethnicity from 2004 to 2010

<table>
<thead>
<tr>
<th></th>
<th>URM</th>
<th>Non-URM</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gap:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>13.4</td>
<td>13.8</td>
<td>9.4</td>
</tr>
<tr>
<td>90</td>
<td>12.8</td>
<td>13.4</td>
<td>9.0</td>
</tr>
<tr>
<td>80</td>
<td>8.6</td>
<td>15.5</td>
<td>10.0</td>
</tr>
<tr>
<td>70</td>
<td>11.0</td>
<td>14.4</td>
<td>1.4</td>
</tr>
<tr>
<td>60</td>
<td>17.6</td>
<td>16.7</td>
<td>7.4</td>
</tr>
<tr>
<td>50</td>
<td>13.3</td>
<td>16.7</td>
<td>19.0</td>
</tr>
<tr>
<td>40</td>
<td>9.1</td>
<td>18.2</td>
<td>5.5</td>
</tr>
</tbody>
</table>

Source: CSRDE AAUDE data, AAUDE Data Warehouse queried on 02/13/17.
But even with our internal Achievement Gaps, our freshman cohorts usually perform better than our AAU Public Peers...

UCI and AAU Publics 6 Year Graduation Rates by Ethnicity from 2004 to 2008

<table>
<thead>
<tr>
<th>Year</th>
<th>URM</th>
<th>Non-URM</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2004</td>
<td>10.8</td>
<td>8.3</td>
<td>3.5</td>
</tr>
<tr>
<td>Fall 2005</td>
<td>10.1</td>
<td>8.5</td>
<td>2.2</td>
</tr>
<tr>
<td>Fall 2006</td>
<td>8.3</td>
<td>9.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Fall 2007</td>
<td>11.4</td>
<td>9.2</td>
<td>-5.4</td>
</tr>
<tr>
<td>Fall 2008</td>
<td>12.6</td>
<td>10.0</td>
<td>2.9</td>
</tr>
</tbody>
</table>

Source: CSRDE AAUDE data, AAUDE Data Warehouse queried on 02/13/17.
Not only are our undergraduates made up of a high percentage of ethnic minorities, but also other ‘At Risk’ groups – Low income…

Source: IPEDS Financial Aid data, AAUDE Data Warehouse queried on 02/13/17.
Not only are our undergraduates made up of a high percentage of ethnic minorities, but also other ‘At Risk’ groups – Low income...

Source: IPEDS Financial Aid data, AAUDE Data Warehouse queried on 02/13/17.
With our own data, we can see how combinations of these At-Risk factors have been increasing in our undergraduates...

Source: GIR’s tblGraduation, various years; queried on 02/13/17.
And the impact of combinations of these At-Risk factors on Student Success rates: 2nd Year Retention…
And the impact of combinations of these At-Risk factors on Student Success rates: 4 Year Graduation rates...

At-Risk Student Population combinations and 4 Year Graduation Rates of New Freshman

Source: OIR's tblGraduation, various years; queried on 02/13/17.
And the impact of combinations of these At-Risk factors on Student Success rates: 6 Year Graduation rates…
Did you notice the decrease in the Achievement Gap for 6 Year Graduation Rates?

- Our students who are in ‘At Risk’ populations, catch-up!

- There is an Achievement Gap, but it narrows dramatically from the gap seen at 4 years.

- How does this information inform Admissions?
UCI’s Application, Admit, and Yield numbers vary noticeably depending on population.

By URM Status and Enrollment Status
Fall 2016

<table>
<thead>
<tr>
<th>SAT Verbal+Math Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Underrepresented Minority</td>
</tr>
<tr>
<td>1500</td>
</tr>
<tr>
<td>1250</td>
</tr>
<tr>
<td>1000</td>
</tr>
<tr>
<td>750</td>
</tr>
<tr>
<td>500</td>
</tr>
</tbody>
</table>

Mean SAT
- Cycle status: Applied, Admitted, Enrolled
- Associated lines: Applied, Admitted, Enrolled
With generally improving test scores for URMs...

**Fall 2012 through Fall 2016 New Freshman V+M SAT Total Scores**
for Underrepresented Minority Applicants by Enrollment Status

|------|------|------|------|------|

**SAT Verbal+Math Total**

- 2012
- 2013
- 2014
- 2015
- 2016

**Cycle status**

- Mean SAT
- Applied
- Admitted
- Enrolled

**Mean SAT**

- Applied
- Admitted
- Enrolled
And non URMs...
As well as Internationals…

Fall 2012 through Fall 2016 New Freshman V+M SAT Total Scores for International Applicants by Enrollment Status
How are Read Scores represented?

Fall 2012 through Fall 2016 New Freshman Holistic Review Read Scores
by URM Status and Enrollment Status
Fall 2016
URM trends...

Fall 2012 through Fall 2016 New Freshman Holistic Review Read Scores for Underrepresented Minority Applicants by Enrollment Status

Cycle status
Mean SAT
Applied Admitted Enrolled

Applied
Admitted
Enrolled
Domestic Non-URM trends...

Fall 2012 through Fall 2016 New Freshman Holistic Review Read Scores
for Non-underrepresented Minority Applicants by Enrollment Status

Cycle status
Mean SAT

Applied
Admitted
Enrolled

Applied
Admitted
Enrolled
International trends...

Fall 2012 through Fall 2016 New Freshman Holistic Review Read Scores for International Applicants by Enrollment Status

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read Scores</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Cycle status: 
- Applied
- Admitted
- Enrolled

Mean SAT: 
- Applied
- Admitted
- Enrolled
If they are admitted but don’t come to UCI, where do they go? In general, to another UC…

All Admitted Undergraduates from 2011 through 2016
But if looked at by Read Score...

All Admitted Undergraduates from 2011 through 2016
But if looked at by Read Score...

All Admitted Undergraduates from 2011 through 2016

UCI 36.5%

University of California 23.0%

California State University 9.7%

AAU 8.8%

No Registration Data 7.1%

California Private University 4.9%

Private University (Outside CA) 3.9%

Public University (Outside CA) 3.7%

California Community College 2.4%

Other University 0.1%

Admitted Domestic 100.0%

UCI 27.3%

University of California 35.3%

AAU 8.9%

California State University 8.7%

No Registration Data 5.9%

California Private University 5.5%

Private University (Outside CA) 4.0%

Public University (Outside CA) 2.4%

California Community College 2.1%

Other University 0.1%
But if looked at by Read Score…

All Admitted Undergraduates from 2011 through 2016
If we also include URM status…

All Admitted Undergraduates from 2011 through 2016
and by Read Scores…

Admitted Undergraduates with Read Scores of 1, 2011 through 2016

URM

Non-URM
and by Read Scores…

Admitted Undergraduates with Read Scores of 2, 2011 through 2016

URM

Non-URM
and by Read Scores...

Admitted Undergraduates with Read Scores of 3, 2011 through 2016

**URM**
- University of California: 34.3%
- Admitted Domestic: 100.0%
- UC Irvine: 30.0%
- California State University: 11.1%
- California Private University: 5.7%
- No Registration Data: 6.0%
- AAU: 5.1%
- Private University (Outside CA): 3.7%
- California Community College: 2.5%
- Public University (Outside CA): 1.6%
- Other University: 0.2%

**Non-URM**
- University of California: 35.8%
- Admitted Domestic: 100.0%
- UC Irvine: 26.1%
- AAU: 10.5%
- California State University: 7.6%
- No Registration Data: 5.8%
- California Private University: 5.4%
- Private University (Outside CA): 4.1%
- Public University (Outside CA): 2.7%
- California Community College: 1.9%
- Other University: 0.1%
and by Read Scores…

Admitted Undergraduates with Read Scores of 4 & 5, 2011 through 2016

**URM**

- Admitted Domestic 100.0%
- University of California 22.8%
- California State University 12.7%
- No Registration Data 7.6%
- AAU 4.7%
- California Private University 5.0%
- California Community College 3.1%
- Private University (Outside CA) 2.9%
- Public University (Outside CA) 2.6%
- Other University 0.1%

**Non-URM**

- Admitted Domestic 100.0%
- University of California 23.1%
- AAU 11.0%
- California State University 8.0%
- No Registration Data 6.8%
- California Private University 4.9%
- Private University (Outside CA) 4.4%
- Public University (Outside CA) 4.2%
- California Community College 2.0%
- Other University 0.1%
Where does this leave us?

• Maybe with more questions than answers…
  – A lot of data that we can explore.
  – Easy to increase certain student success metrics
    • But would it be contrary to our Mission as a public university?
Where does this leave us?

• We are also doing *something very right* for under-served populations
  – NYT stories highlighting our role in social mobility

• And relative to many of our sister institutions with higher SAT averages, we have higher graduation rates
Where does this leave us?

- So we don’t want to “break” what is working
- And given our Strategic Plan, we do want to find ways to increase the proportion of our “1s” and “2s” Read scores that choose to come to UCI.
Where does this leave us?

• What is the type of actionable information that would be useful for CUARS to have?
Discussion and Questions...

Contact Information:
Ryan Cherland
email: ryan.cherland@uci.edu