Performance and Challenges In Core

CRPT Faculty Meeting
October 19, 2017
When we last left you…

Meeting #1: Core goals

– Convergence on three goals by all college constituencies.

– What is missing from these goals?
  • Three goals are too broad, invite a new, different “firehose.”
  • Mission statement: impact of work on society and social engagement.
  • Need to construct a core that is inclusive and supportive of all students
How Many Students Struggle in the Core and How Deeply Do They Struggle?
Struggle as Percent of Student Population (2010-16)

- One: 10%
- Two: 5%
- Three: 3%
- Four: 2%
- Five: 2%
- Six: 1%
- Seven or more: 1%
How “Deep” is the Struggle?
2010-16

- One: 42%
- Two: 20%
- Three: 14%
- Four: 7%
- Five: 7%
- Six: 5%
- Seven: 3%
- Eight: 1%
- Nine: 1%
- Ten: 0%
- Eleven: 0%
- Twelve: 0%
Struggle by Course
2010-16
Struggled in **One** Course by Gender

- Men: 55% Population, 49% Observed
- Women: 45% Population, 51% Observed
Moderate Strugglers by Gender

<table>
<thead>
<tr>
<th>Gender</th>
<th>Population</th>
<th>Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>55%</td>
<td>50%</td>
</tr>
<tr>
<td>Women</td>
<td>45%</td>
<td>50%</td>
</tr>
</tbody>
</table>
Significant Strugglers by Gender

- Men: 55% Population, 49% Observed
- Women: 45% Population, 51% Observed
Relationship Between Student Characteristics and Performance in Core
HS Preparation and Grades in Core

Special thanks to Thyra for collecting and categorizing these data!

2014 and 2015 cohorts based on highest level of HS math course taken
Impact of Race & HS Prep on Course Performance

Adjusted R Squared

<table>
<thead>
<tr>
<th>Course</th>
<th>Adjusted R Squared</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 23A</td>
<td>17%</td>
</tr>
<tr>
<td>Math 60</td>
<td>10%</td>
</tr>
<tr>
<td>Chem 23D</td>
<td>9%</td>
</tr>
<tr>
<td>Math 45</td>
<td>9%</td>
</tr>
<tr>
<td>Math 40</td>
<td>6%</td>
</tr>
<tr>
<td>Phys 51</td>
<td>6%</td>
</tr>
<tr>
<td>Math 65</td>
<td>3%</td>
</tr>
</tbody>
</table>
Discussion

Do these data impact your view of what the goals of our core should be? If so, in what way?

URL: tinyurl.com/y9evl3cl