SOUP TO NUTS: 
THE FULL COURSE ON SIERRA COLLEGE’S TRANSITION TO 
MULTIPLE MEASURES
- History (the Soup)
- The Data (the Fish)
- A Cast of Thousands (the Salad)
- The Process (the Intermezzo)
- Sierra College Placement Tool (the Main Course)
- Results (the Dessert)
- Our Next Steps (the Nuts)
THE SOUP COURSE

- 2013 RP Conference
  - “The Potential Utility of High School Achievement Data for Student Placement in Foundational Skills Courses” (Hetts et al.)
  - STEPS
  - STEPS 2.0
    - Thanks Dan!
- Yuba College
  - ...but where’s my data?
- Sierra College
  - Ah, there it is.

If you’re interested in doing this research too:

**When** you start this research:

Step 1: Acquiring Cal-PASS Data

Log in at mycalpass.org and click on the data menu.

Step 1
THE FISH COURSE

- English & Math Transcripts
  - 4,673 English Students
  - 3,869 Math Students

- HS “Transcript”
  - Highest HS Course Attempted
  - Grade in highest HS Course Attempted
  - Cumulative GPA
  - A-G Total
  - CST Scores
  - And the list goes on

- College “Transcript”
  - First course attempted
  - Grade
  - And more
THE SALAD COURSE

And Math Faculty...

And English Faculty.
Building the model
- The Long Beach Model didn’t work for us.
- We still used a logistic regression model, but...
  - CSTs weren’t significant for success
  - Some discomfort using a “cut score” on the predicted probability
  - Math is hard!

Testing, testing
- Getting the model out of SPSS

Convince me!
- English (Spring 2014)
  - English 1A Summer and Fall 2014 “Pilot”, English A Spring 2015
- Math (Summer 2015)
  - All in
THE INTERMEZZO

- So, how do we make this easy for students?
- So, how do we make this easy for us?

The Prototypes

![Image of Sierra College Placement form with options to select the highest English course, grade, and high school GPA. The form shows CP ENGLISH 11 with a grade of B- and a high school GPA of 2.50. There is also an option to enter an English A or Placement Test result.]
Sierra College offers a variety of services to help students improve their chances of success. At the Assessment Center, we provide Accuplacer testing for Reading, English and Math placement. Much of your success at Sierra College depends on enrolling in courses that match your academic skills.

For students who need placement into English as a Second Language (ESL), the Assessment Center offers testing for all language skill levels.

View Your Placements and Assessment Scores
1. Open your mySierra account
2. Click on ‘View Assessment / Placement Results’

Before scheduling an assessment use our Placement Tool >
The Process

- Student brings their official/unofficial transcript to the Assessment Office
- Assessment Office “calculates” placement
  - Student takes the placement test as necessary or desired
- Assessment Office enters the placement into Banner
## English Placement

### Fall 2012
- ENGL 501: 316
- ENGL A: 1566
- ENGL 1A: 1697

### Fall 2013
- ENGL 501: 342
- ENGL A: 1567
- ENGL 1A: 1735

### Fall 2014
- ENGL 501: 400
- ENGL A: 1635
- ENGL 1A: 2082

### Fall 2015
- ENGL 501: 323
- ENGL A: 1432
- ENGL 1A: 2392
THE DESSERT (ENGLISH)
Math Placement

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall 2012</th>
<th>Fall 2013</th>
<th>Fall 2014</th>
<th>Fall 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 581</td>
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<td>699</td>
<td>736</td>
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<tr>
<td>MATH 582</td>
<td>266</td>
<td>262</td>
<td>241</td>
<td>247</td>
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<tr>
<td>MATH A</td>
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<td>857</td>
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<td>714</td>
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<td>1592</td>
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<td>MATH 29</td>
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<td>45</td>
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<td>95</td>
<td>81</td>
</tr>
</tbody>
</table>
THE DESSERT (MATH)

Math Success & Retention (Pre-Calc & Calculus)

- Fall 2012
- Spring 2013
- Fall 2013
- Spring 2014
- Fall 2014
- Spring 2015
- Fall 2015

- MATH 0029 (Brown)
- MATH 0029 (Orange)
- MATH 0030 (Blue)
- MATH 0030 (Light Blue)
We’ve been using HS Transcripts for nearly 2 years
  - Manually processing
But there is a better way
  - Order in bulk
    - Get Applicant Data from MIS
    - Submit Applicant Data to CalPass
    - Get Applicant Data with Transcript Info from CalPass
    - Process submissions using SQL (Research Office)
    - IT loads into MIS
  - Downsides
    - Turn around time
    - Research Office is involved
  - But it’s getting better
ANY (MORE) QUESTIONS?

- The Prototypes
  - https://sccd-my.sharepoint.com/personal/ecooper1_sierracollege_edu/Documents/Placement%20Tool?e=5

- The Placement Tool

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