From Number Cruncher to Data Coach

The Role of Institutional Research in Supporting Program Review

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Today’s Session

– Activity #1
– Program review at Citrus College and the data packets
– Activity #2
– Program review process assessment: Survey and focus group research
– Strategies and next steps
– Q&A
Activity #1

DAILY EXERCISE
FOR COMPUTER USERS & GAMERS

STEP 1
10-20 SECONDS
2 TIMES

STEP 2
10-15 SECONDS
1 TIME

STEP 3
10-12 SECONDS
2 TIMES
EACH SIDE

STEP 4
15-20 SECONDS
1 TIME

STEP 5
3-5 SECONDS
3 TIMES

STEP 6
10-12 SECONDS
1 TIME
EACH ARM

STEP 7
10-15 SECONDS
1 TIME

STEP 8
10-15 SECONDS
1 TIME
Program Review at Citrus College

- Instructional
- Academic support
- Student services
- Institutional support
Instructional Program Review Model

- **Year 1**
  - Core plus Mission

- **Year 2**
  - Core plus Curriculum

- **Year 3**
  - Core plus Degrees and Certificates

- **Year 4**
  - Core plus Program and Degree SLO assessment

- **Year 5**
  - Core plus discipline overview and division summary

Academic Affairs
**Instructional Program Review Timeline**

- **Jan.** Submit resources requests to Financial Resources Committee
- **Feb.** Financial Resources Committee notifies of awards
- **Jun.** IRPE&IT begin data packets production
- **Jul.** IRPE post data packets online
- **Aug.**
  - Train the trainers
  - Program review starts
- **Dec.** Deans prioritize resources requests
- **Oct.**
  - Program review due
  - Technical review begins
Instructional Program Review Data Packets

Packet A
Enrollment, Success
& Retention

Packet B
Course offering &
Section Count

Packet C
Degree Awards

Data Packets
IRPE & IT Collaboration

Program Review
Template Section V

Program Review
Template Section IV

Program Review
Template Section III
Activity #2

– What’s your impression?
– What’s the challenge if you were the instructor trying to analyze the data and respond to the questions (III, IV, V)?
– What’s the IR involvement in program review at your campus?
– Suggestions?
Program Review Process Survey

– Biennial instructional program review process survey
– All instructional faculty & support staff
– Fall 2016 survey respondents (n=91)
  – 81 full-time faculty (~50% response rate)
  – 4 adjunct faculty
  – 6 support staff
### Program Review Process Survey

4. Were the pre-populated data packets regarding curriculum and program performance sufficient for discussion and preparation of the document?

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Percent</th>
<th>Response Count</th>
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<tbody>
<tr>
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<td>75.9%</td>
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<td>No</td>
<td>9.2%</td>
<td>8</td>
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- **answered question**: 87
- **skipped question**: 4

5. Did the pre-populated data packets shed light on potential concerns about disproportionately impacted students, i.e. outcome data by student subgroups (gender, age, race/ethnicity)?

<table>
<thead>
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<th>Answer Options</th>
<th>Response Percent</th>
<th>Response Count</th>
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</thead>
<tbody>
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<td>17.2%</td>
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</table>

- **answered question**: 87
- **skipped question**: 4
Program Review Process Survey

“The data is there but there is nothing that prompts the faculty to discuss these issues.”

“I’d love to get a tutorial on how to assess numeric data and make inferences about it.”

“Some members of the program would like to see data broken out for particular courses.

“Due to small sample size especially of under-represented students, we could not make substantial observations about these populations.”

“Data would be more helpful with a yearly summary combining winter, spring, summer and fall to get some larger numbers of students rather than looking at four pages with small samples in some cases.”

“The only light that was shed was that our department is pretty much like every other department...and I have no idea what to do about it.”
Program Review Process
Focus Group Study

- Two Topics
  - Core annual program review template
  - Data packets
- Data Packets Session Participants
  - Seven instructors from different areas
- Prompts
  - How are the data packets used?
  - How would you like to see data presented?
  - What are some examples of obstacles in using data in program review?
  - Suggestions for the IR office to facilitate the usage of data?
Program Review Process
Focus Group Study

“See them once a year. **Have to learn** them every time.”

“I have to **study** it sometimes. It does make sense after I study it a bit”

“I feel I need someone who is a **professional to compile and look for the trends** you are asking for in that program review document. “

“It doesn’t show they completed because they **get work** before they complete it. ”

“Sometimes, there’re **disconnections** in the numbers.”

“It’s nice to have it in a **graph**. A lot of people are **visual**. There are the numbers there. Nice to have a way to describe it.”

“We always do our program review on **Flex Day**. That would be a day to visit the area and point out these things.”
To Summarize...

- How reviews are done and how data packets are used vary
- Level of familiarity with program review data also varies
- Need for assistance in understanding and interpreting data
- Interest in customized data and data visualization
- Data quality and accuracy
Strategies

– On-going conversation between IRPE and the program review coordinator
– 10 minute mini-training at the “Train the Trainers” session
– Customized data upon request
– Online tutorial developed by the program review coordinator
– Review of program review data analyses
Degrees and Certificates

• Need other data? → Office of Institutional Research
• Data Packet C – degrees and certificates
  – Awards to students, last 5 years
  – Demographic breakdown
  – Separate file for campus-wide data
• Questions:
  – Number of awards changing over time?
  – Numbers fit with with students in majors classes?
  – Underserving demographic groups?
Next steps

– Create visuals to show program review data
– Reach out to divisions to help train faculty
– Develop a pamphlet to help faculty with data analysis
– Flex Day panel discussion to share effective practices
– Promote data literacy on campus through shared-governance committees & board presentations
Questions?

Thank you very much & have a safe trip home!