Exploring the Student Experience at the University of California

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Background

- A few years ago at the University of California...
- The SERU / UCUES Survey was imagined...
- And students participated...
- And much data was collected...
- And all was well...

But...

- The data file was huge!
- Hundreds of variables, over 50,000 respondents
- Difficult to do on-the-fly analysis
- Labor intensive to create reports for academic programs
- Very difficult to do comparisons between comparable programs at different institutions (you have to use a CCM table)

New Idea!

- Build a tool to analyze survey results by academic program. The tool should...
- ...allow other comparisons (ethnicity, gender, class level, and so on)
- ...compare two groups of respondents
- ...compare responses for each survey question
- ...calculate effect size $(\mu_1 \mu_2/\sigma_{\rm all})$ and level of significance

In January 2008, work began...

11 Months later...

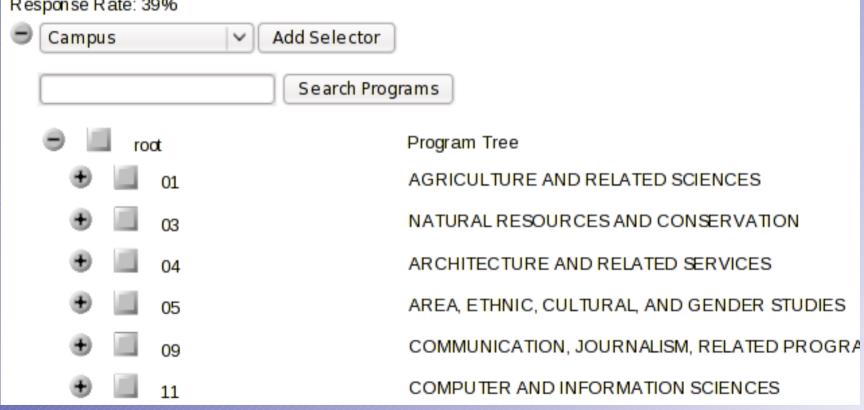


Survey Reporting System

Comparator Group X

Size: 162259

Response Rate: 39%



Campus: BERKELEY DAMS LOS ANGELES RIVERSIDE SAN DIEGO × Ethnic15: American Indian/Alaskan Native Black/African American Chicano/Mexican-American Chinese/Chinese American Decline to State × Level: Freshman Junior Limited2nd BA Senior Sophomore



Template Wizard

cruc_hrs_work_oncampus
cruc_hrs_work_related
cruc_timeclub
cruc_timecomute
cruc_timeexerc
cruc_timefamily
cruc_timefriends

cruc_hrs_classes cruc_hrs_studying cruc_hrs_work_all

p_value
percent_x['0 hours per week']
percent_x['6-10 hours per week']
percent_x['1-5 hours per week']
percent_x['16-20 hours per week']
percent_x['11-15 hours per week']
percent_x['26-30 hours per week']
percent_x['21-25 hours per week']
percent_x['more than 30 hours per week']
percent_y['0 hours per week']

mean_x mean_y effect_size

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Demonstration