



LA-SIGMA

Louisiana Alliance for Simulation-Guided Materials Applications

Formative Assessment (Baseline Statistics)

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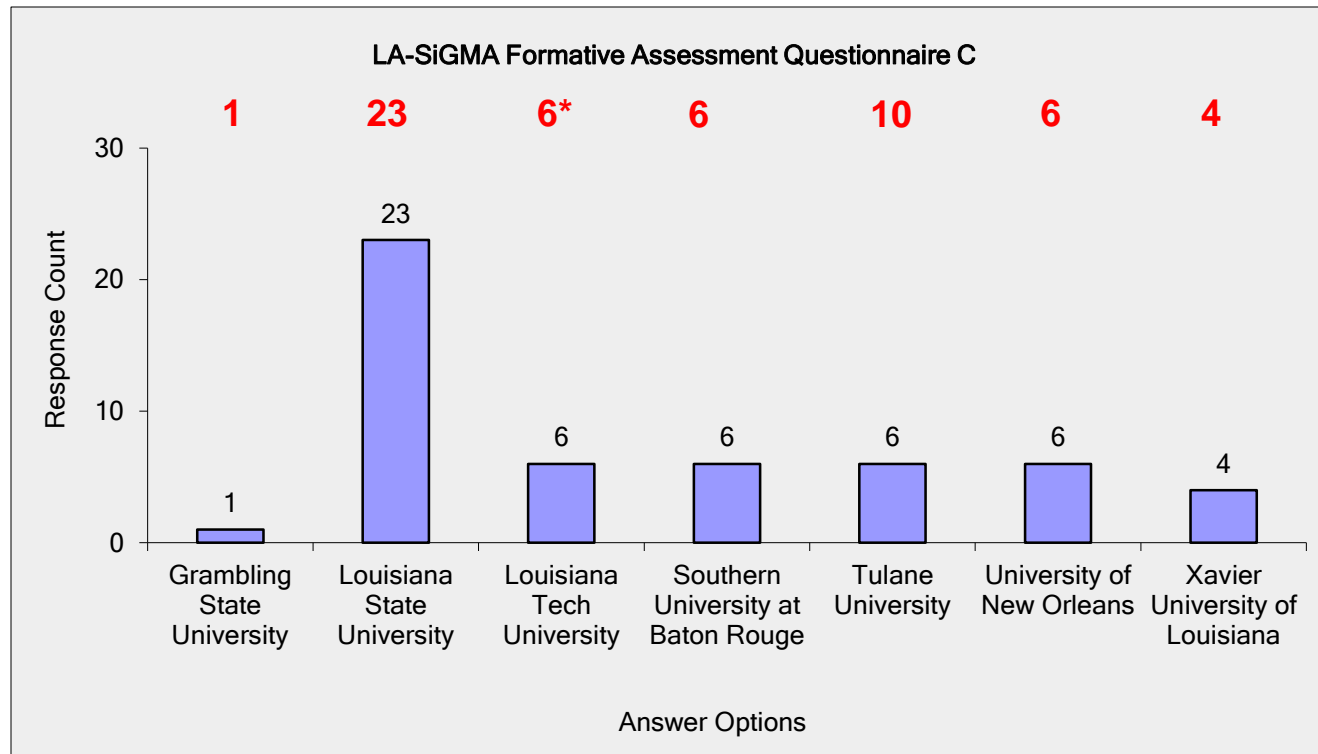


Survey Overview



- Goal was to collect statistics for the year prior to LA-SiGMA funding
- The time window deliberately had a small overlap (1 month) with the current project.
- The purpose of the overlap was to see how quickly we were able to pick up or transfer students to LA-SiGMA funding.
- Survey covered all aspects of the project:
 - Graduate students
 - Undergraduate students
 - Diversity in the G and UG populations
 - Research Productivity – papers, presentations, proposals
 - Research Collaboration – collaboration tools/mechanisms
 - Computational Science/Technology utilization
 - External Engagement
 - Intellectual Property Development
 - Recruiting Efforts

Number of Responses by campus



Expected responses from each campus in red.

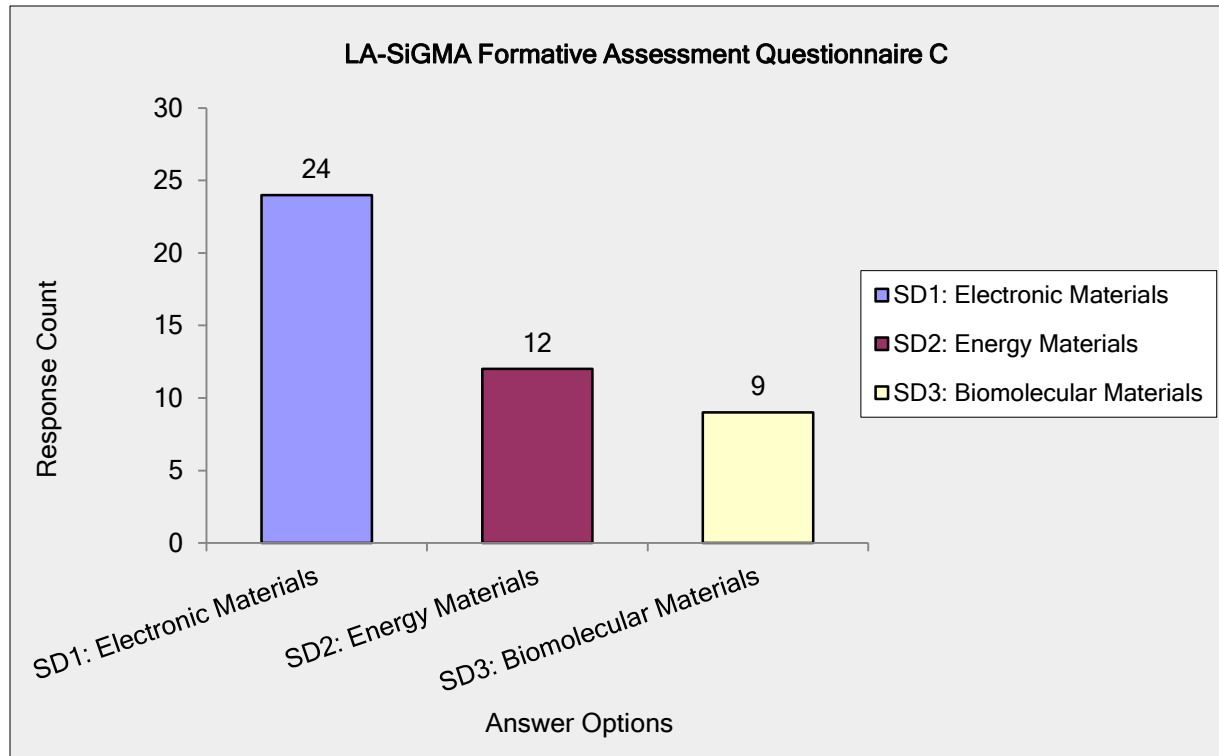
52 responses total. 56 expected. 93% response rate.

*LA Tech count excludes Derosa (answered for GSU) and Dobbins (on leave)

Several people skipped some or all questions about students. Some of them may not have any students. Want to see "0." Some of them have students (we know) but chose to skip.



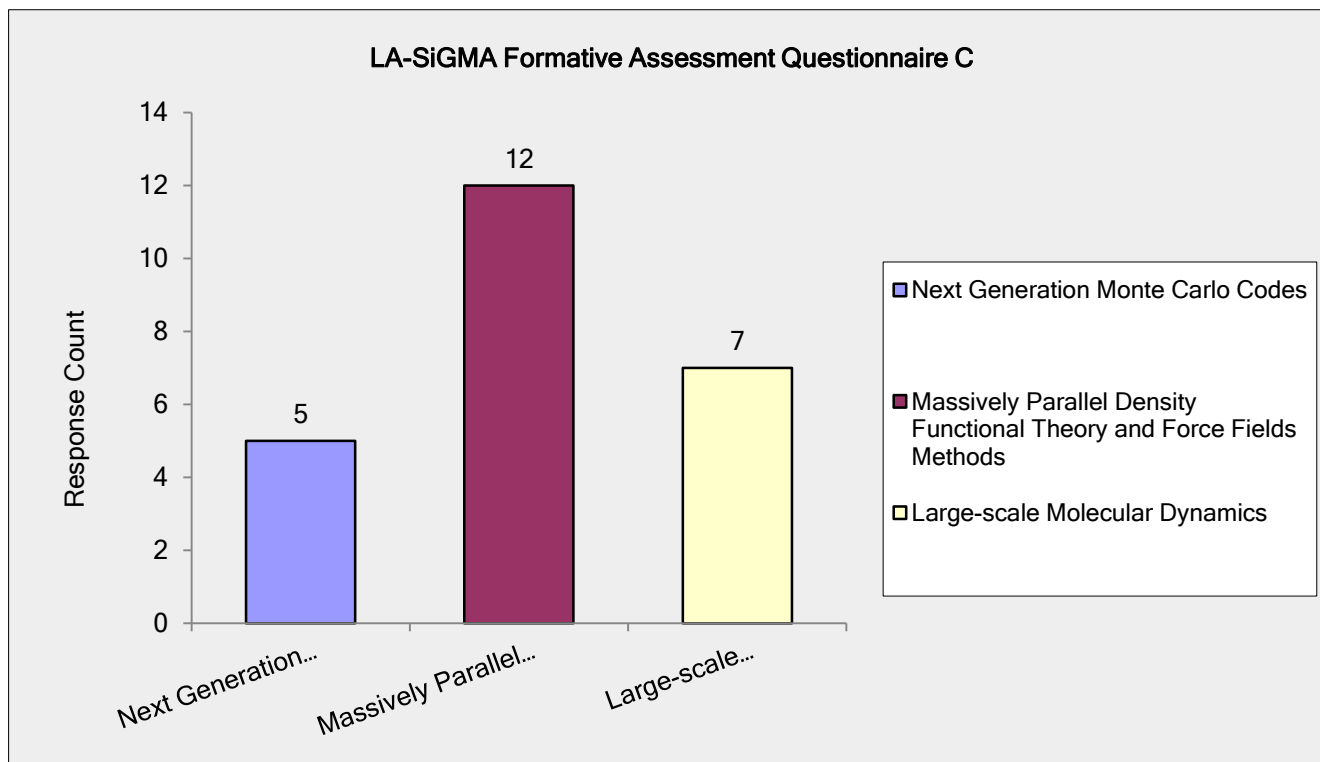
Primary Science Driver



Adds up only to 45. Should have included “CTCI” as a science driver.

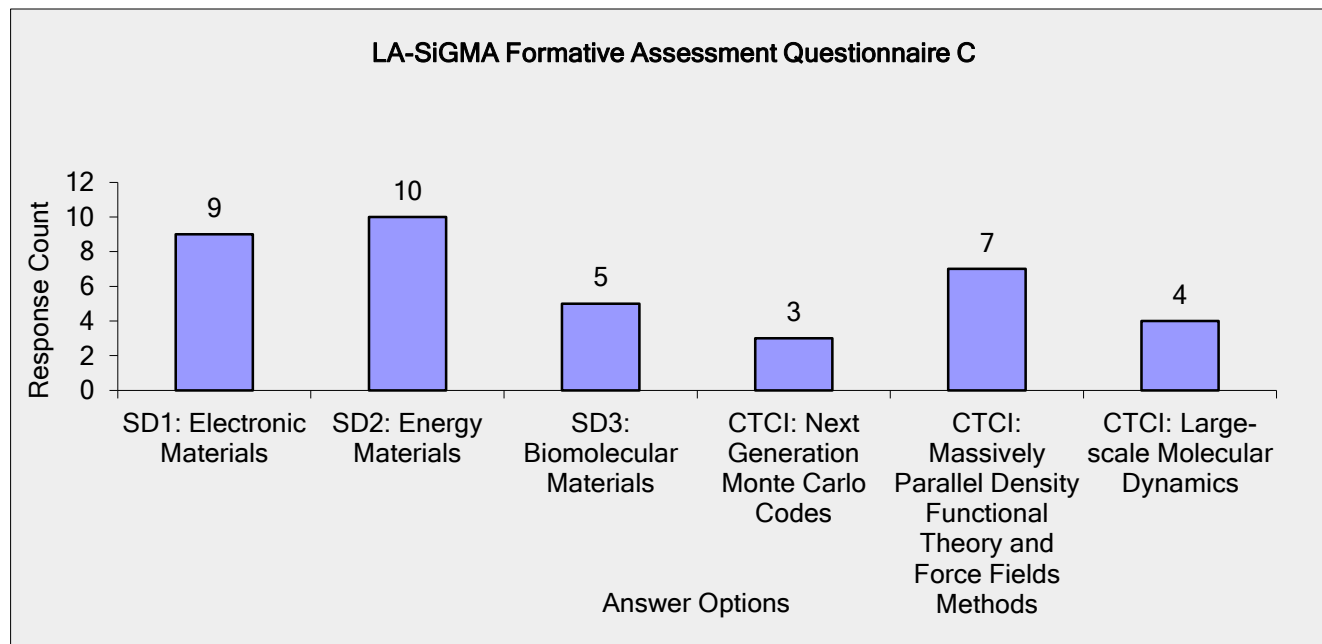


Computational Teams (CTCI)

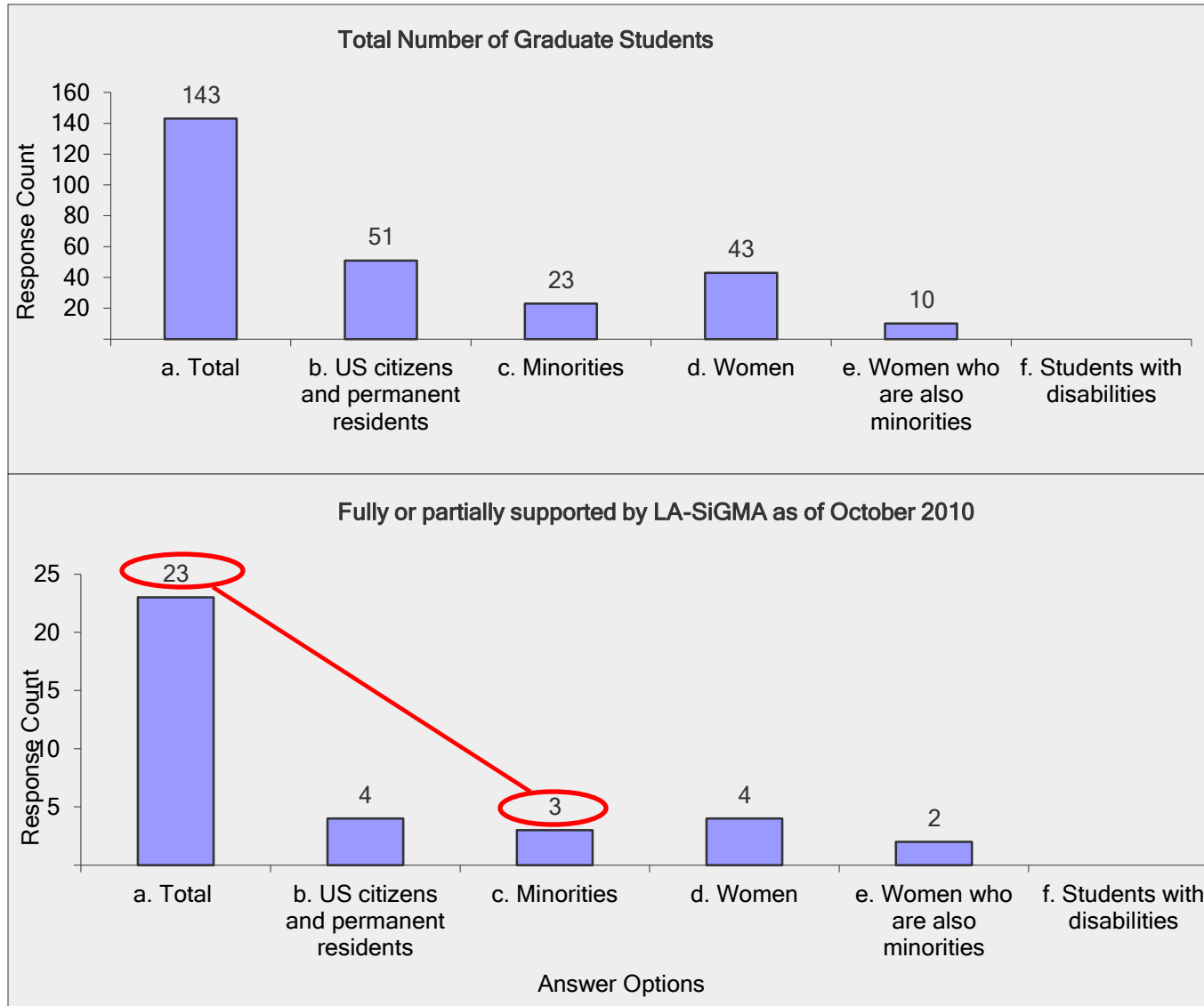


46% of respondents identify with at least one Computational Team.

Additional Membership in SD or CTCI teams

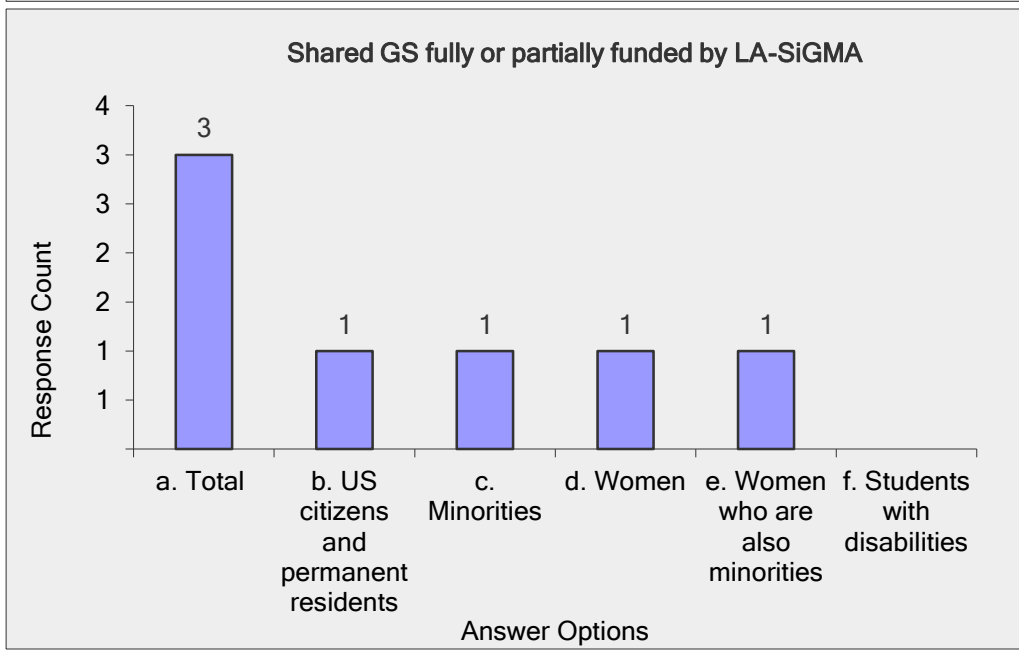
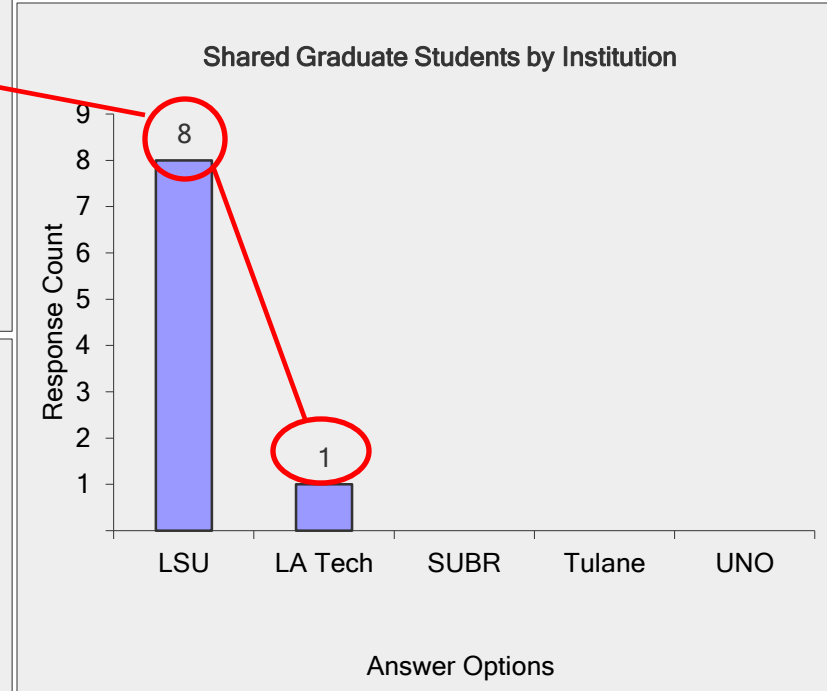
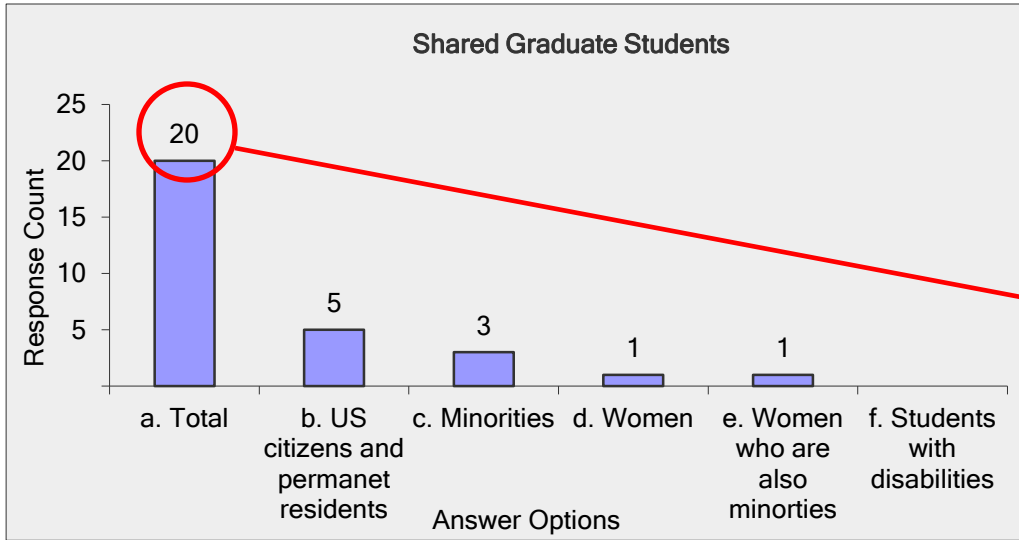


Total No. of Graduate Students



13%
URM
among
graduate
students

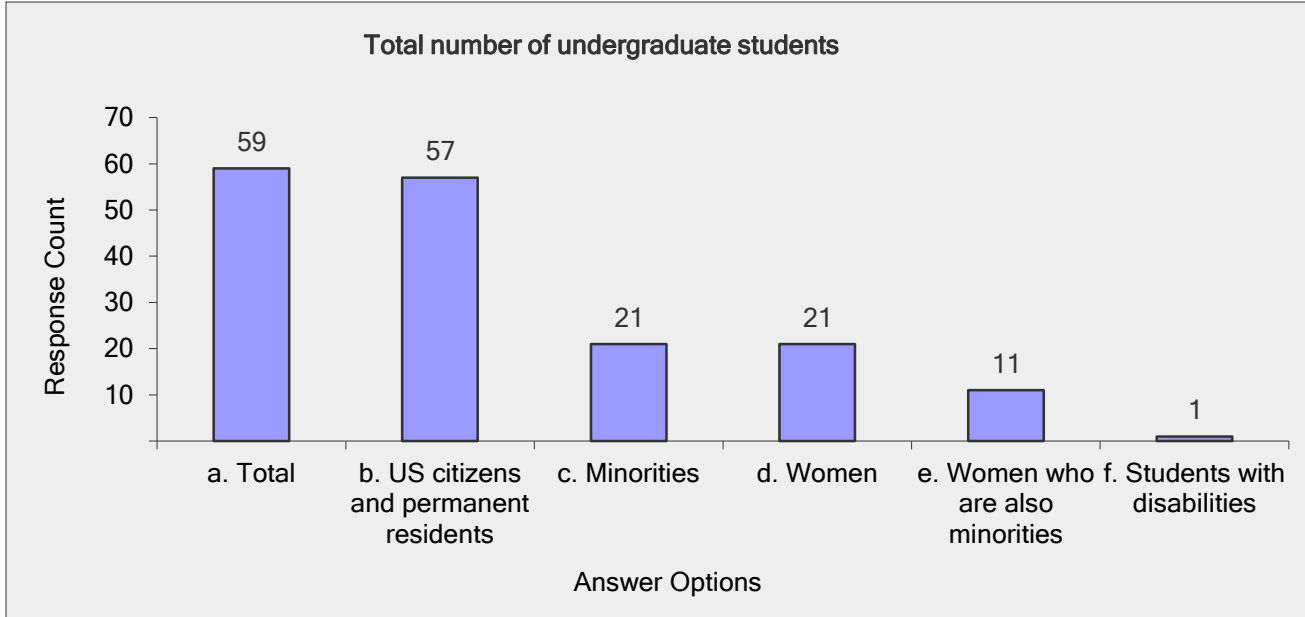
Shared Graduate Students at another institution



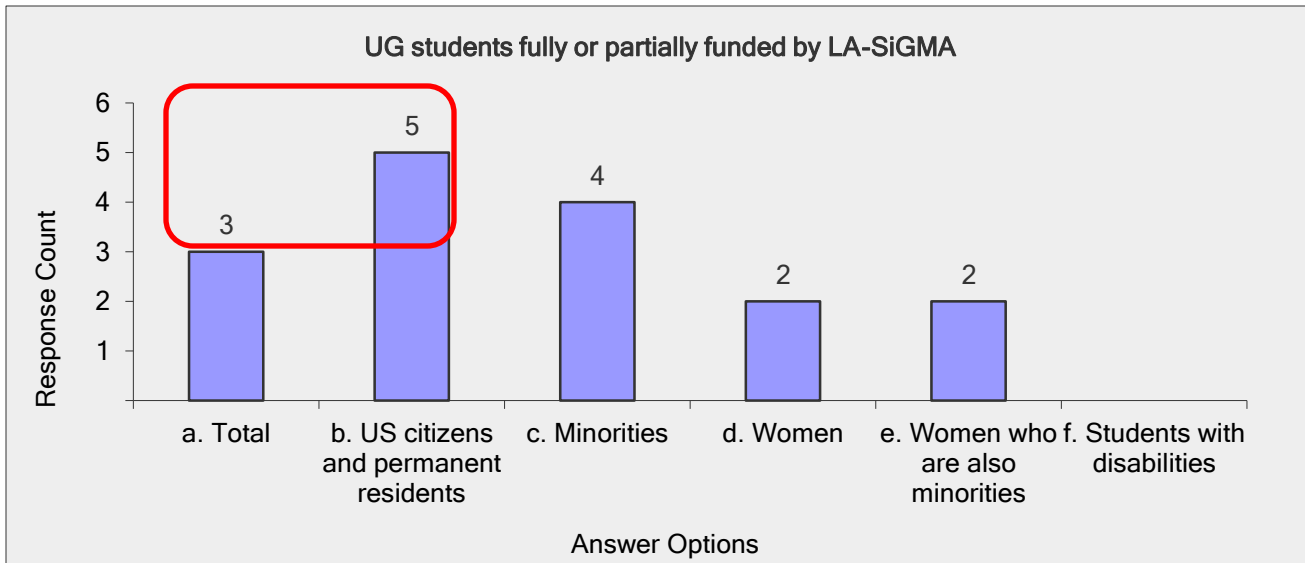
Is this due to double-counting?



Total No. of Undergraduate Students

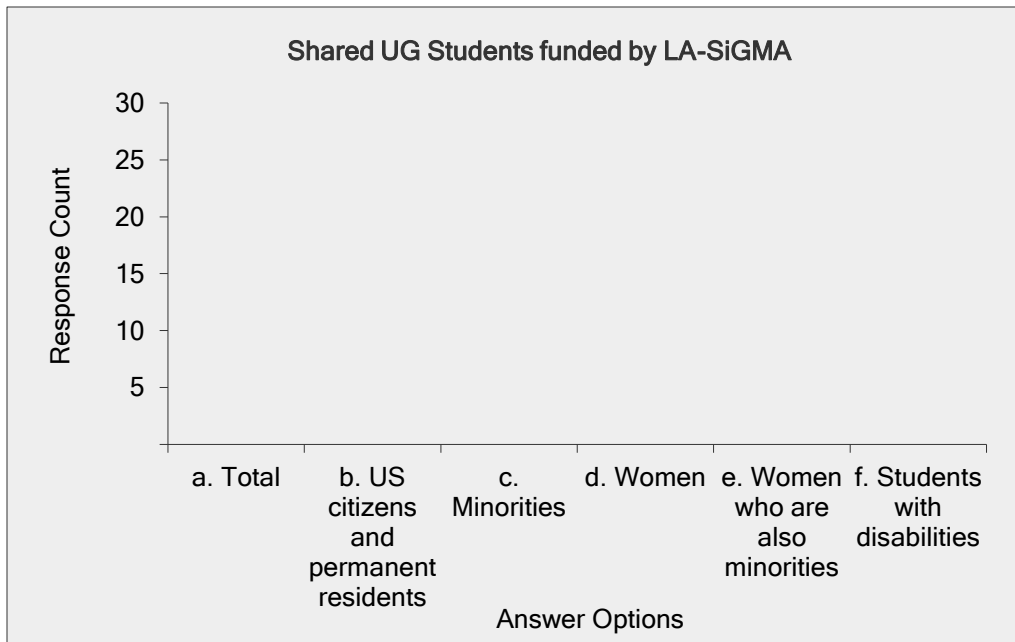
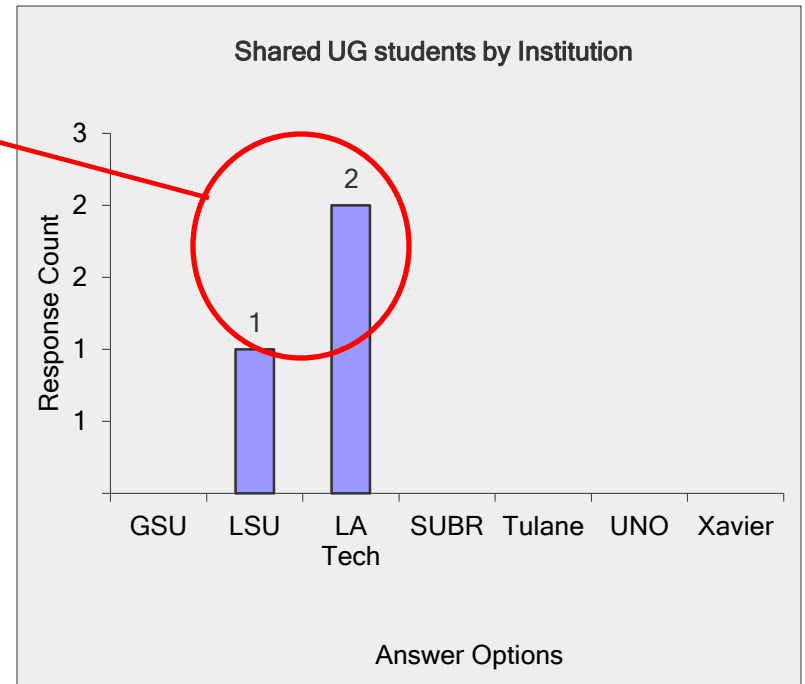
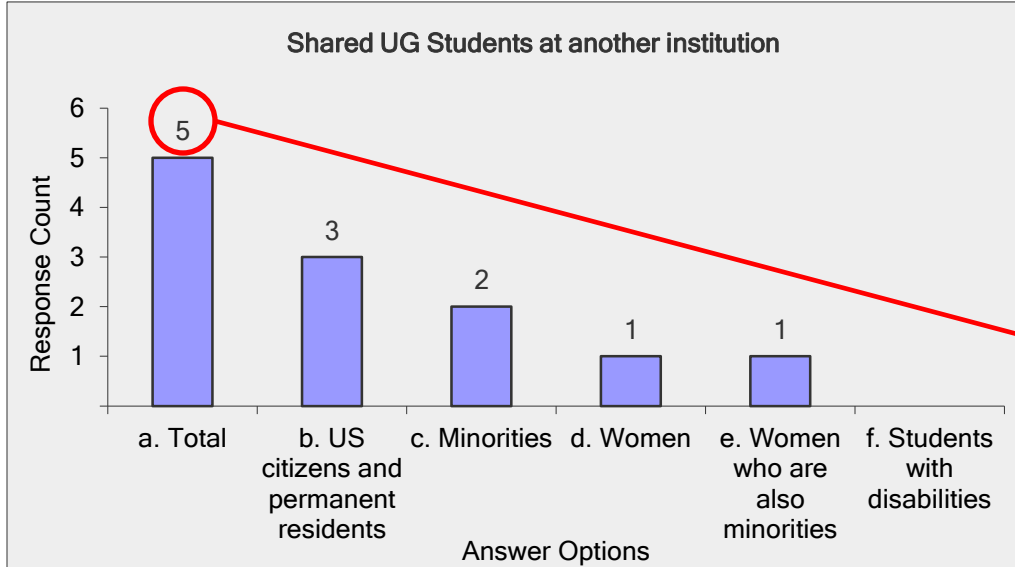


1.1 undergrad per funded LA-SiGMA SI.
Was the question mis-understood?



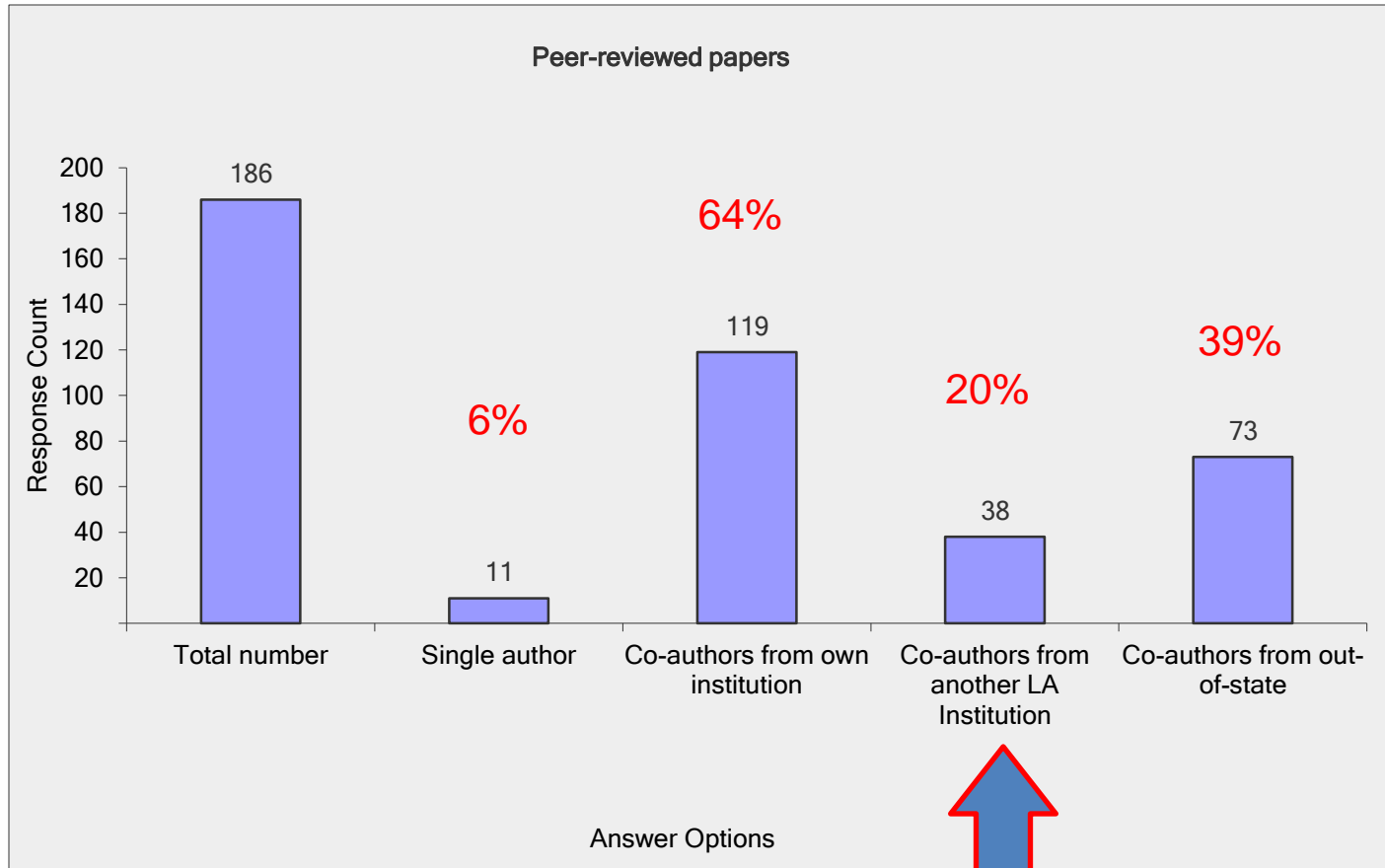
Can't explain this one.

Shared Undergraduate Students at another institution



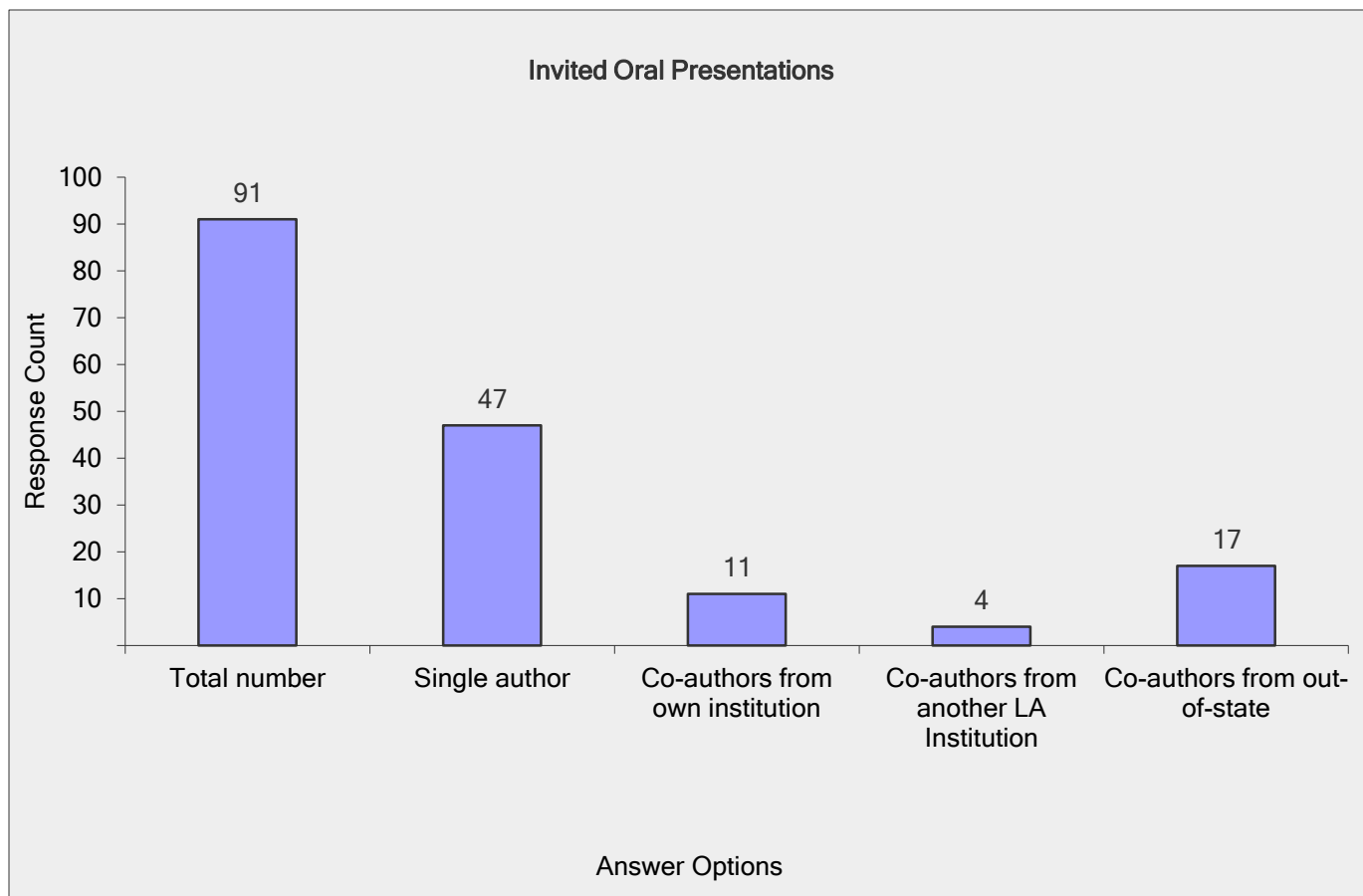
Difficult/impossible to avoid double-counting.

Peer-reviewed papers: October 1, 2009 to October 31, 2010

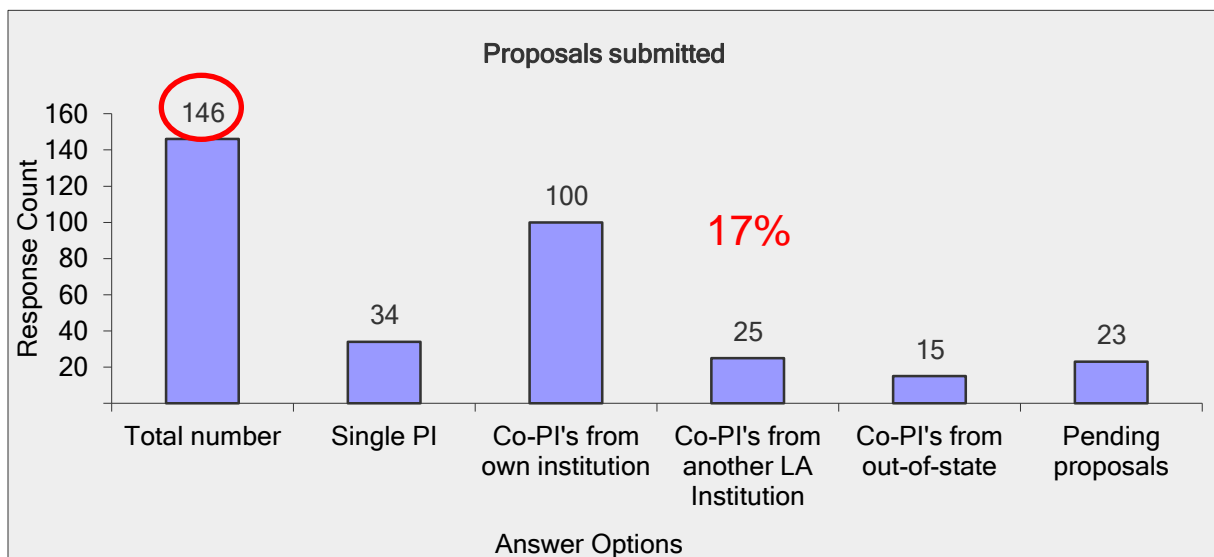


Hope to see this
go up over time.

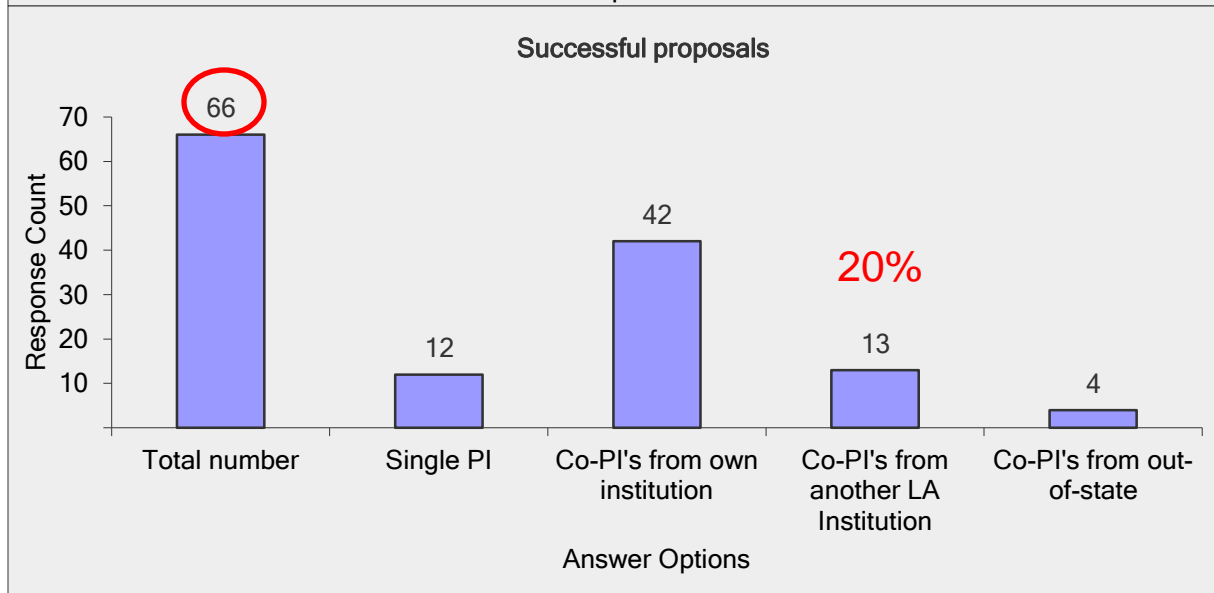
Invited oral presentations: October 1, 2009 to October 31, 2010



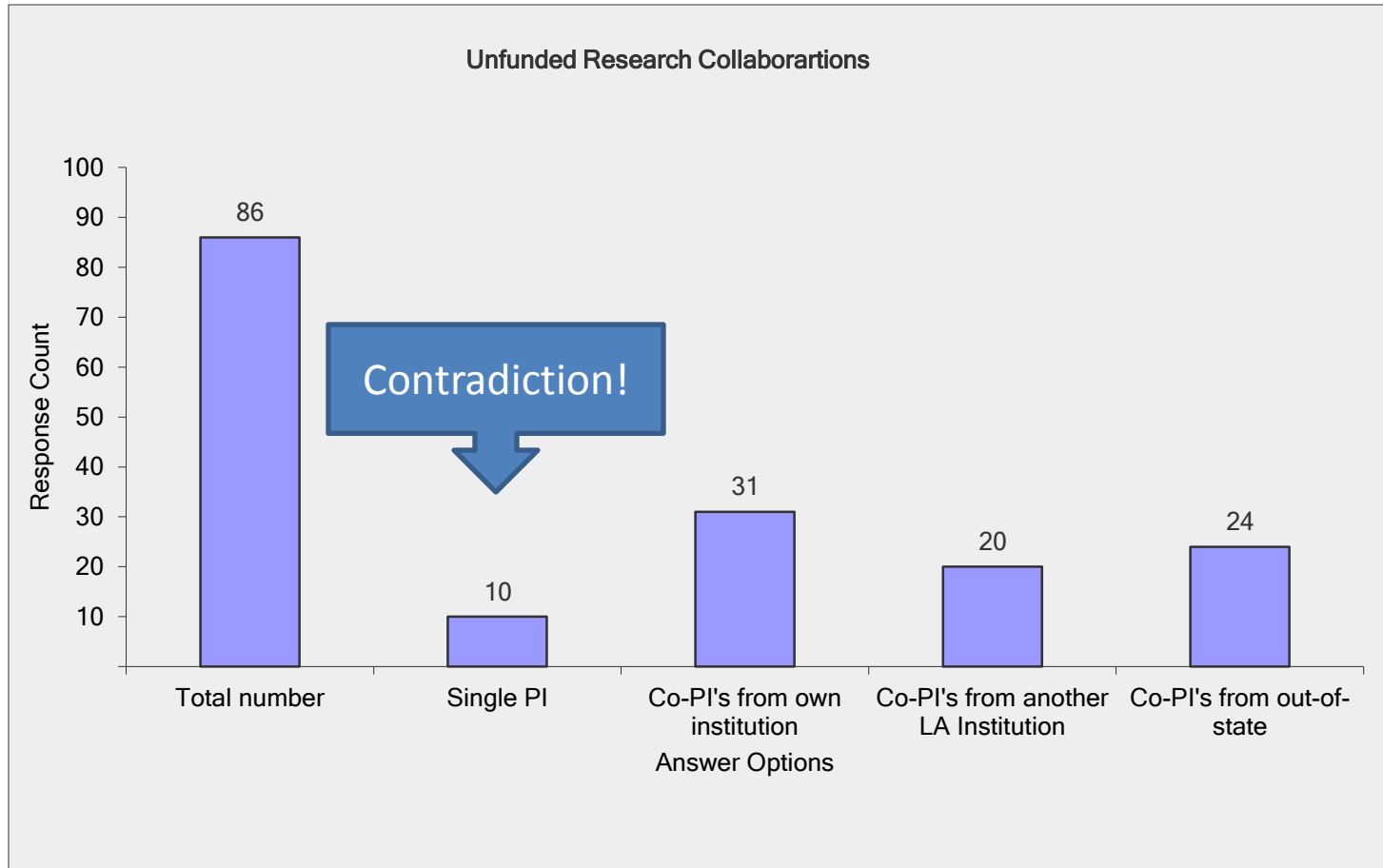
Proposals: October 1, 2009 to October 31, 2010



Success rate
of 45%.

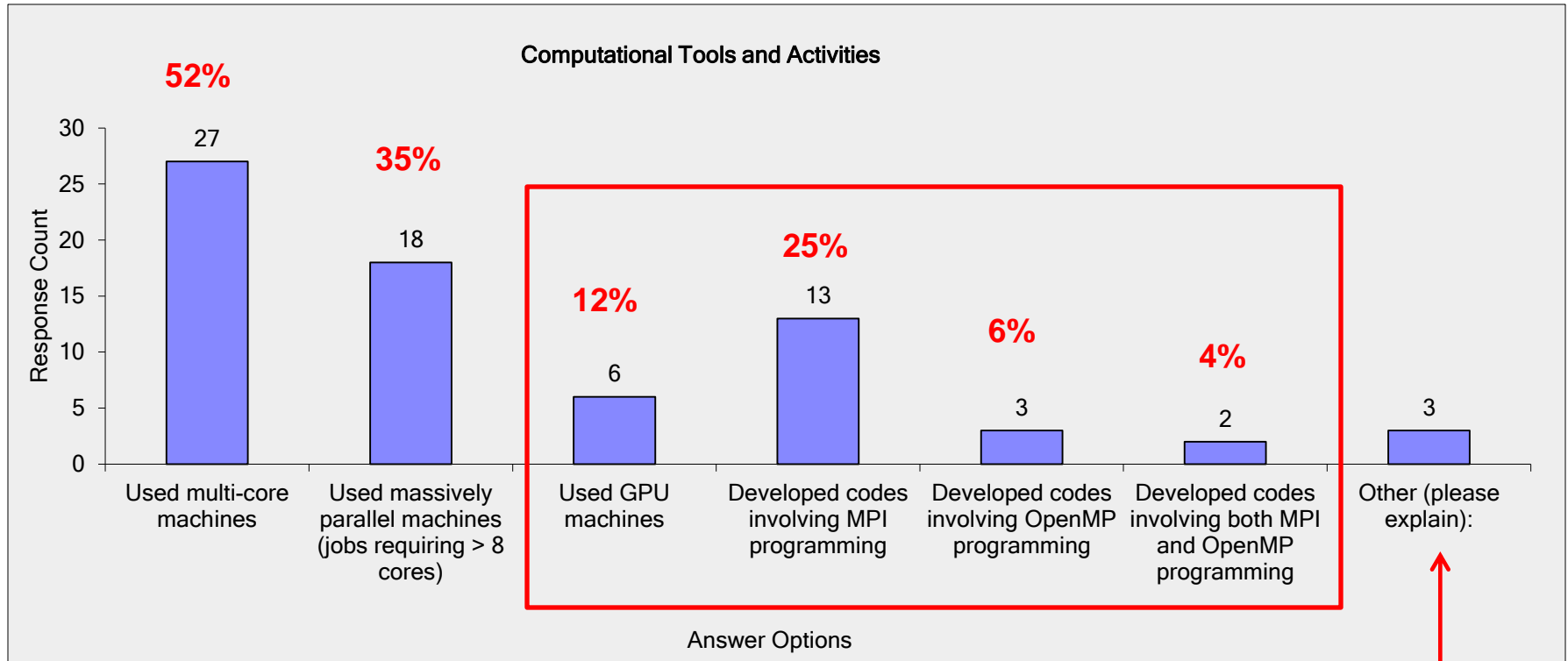


Unfunded Research Collaborations: October 1, 2009 to October 31, 2010



Defined as projects currently not funded but leading to proposals in the near future.

All computing tools and activities: October 1, 2009 to October 31, 2010

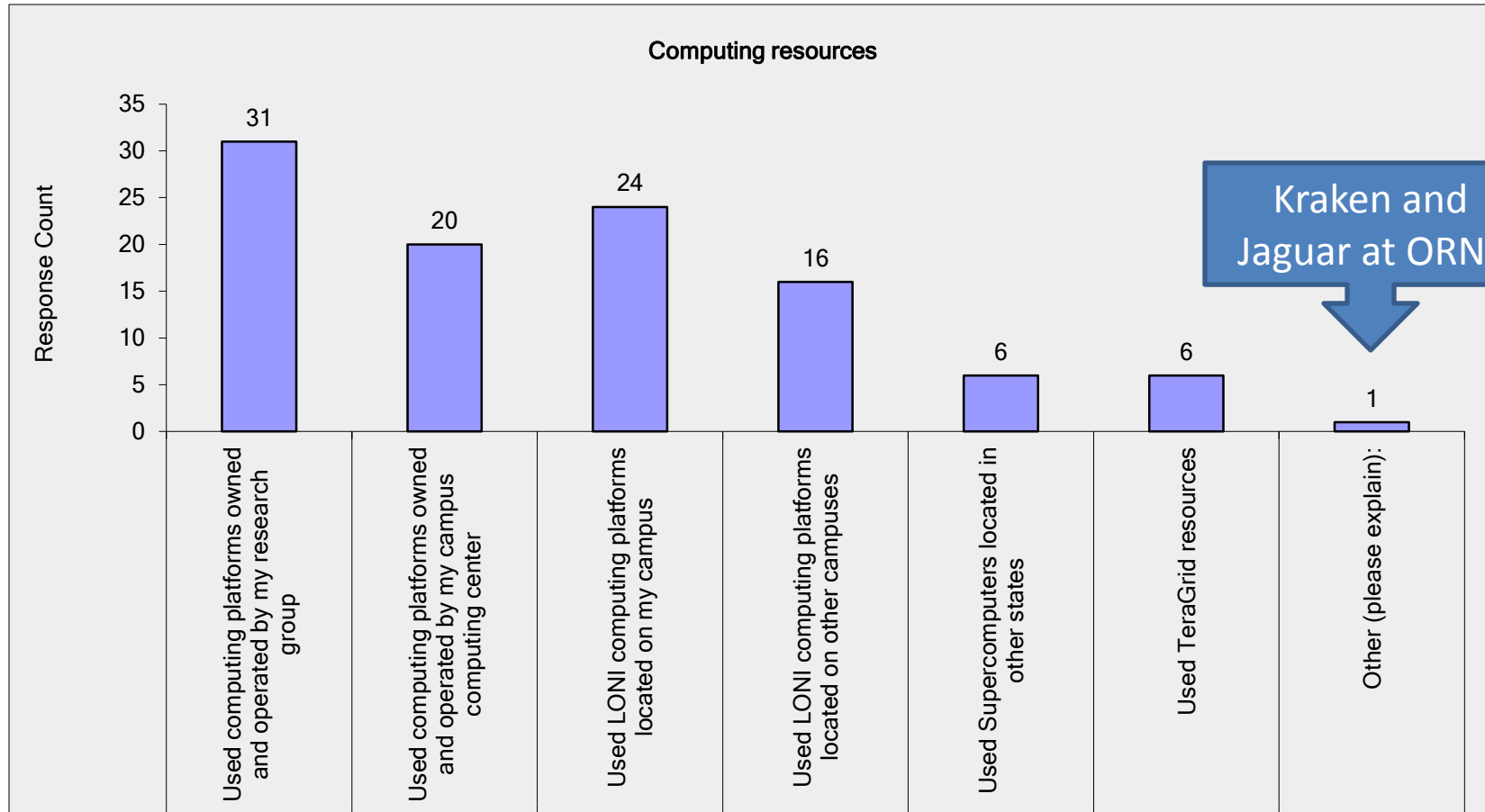


21 people skipped this question. Need to provide a "None of the above" option.

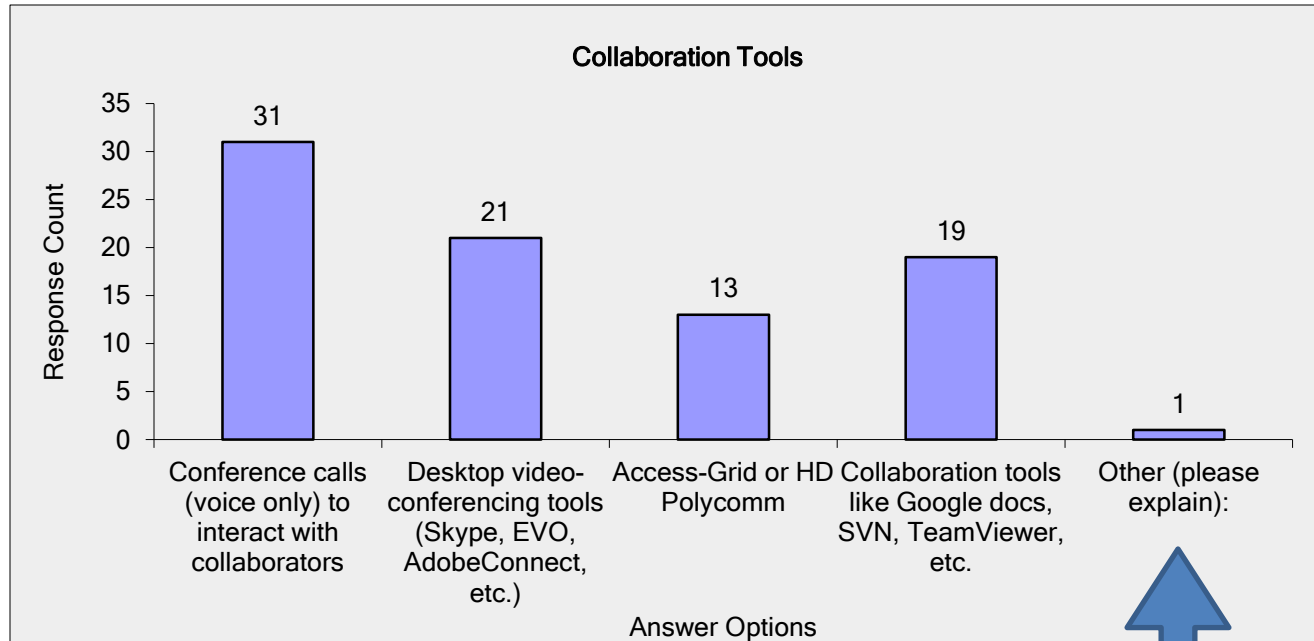
Duh!

Hybrid codes: MPI + Scalapack;
Local cluster for DFT;
Parallel Mathematica code.

Computing platforms/resources: October 1, 2009 to October 31, 2010



Collaboration Tools: October 1, 2009 to October 31, 2010

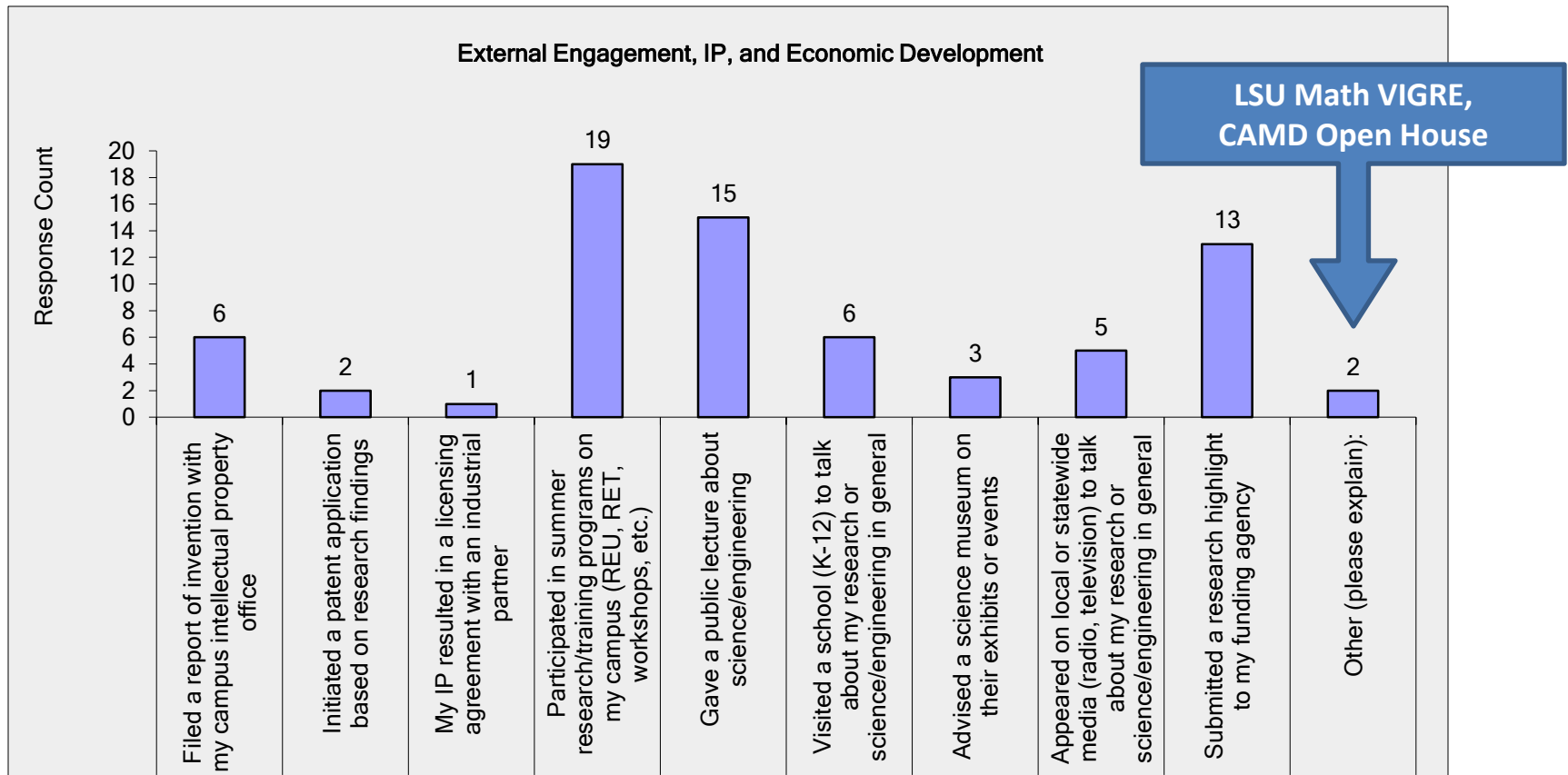


15 people skipped this question. Need to provide a “None of the above” option.

Numerous one-to-one meetings

EEWD & IP:

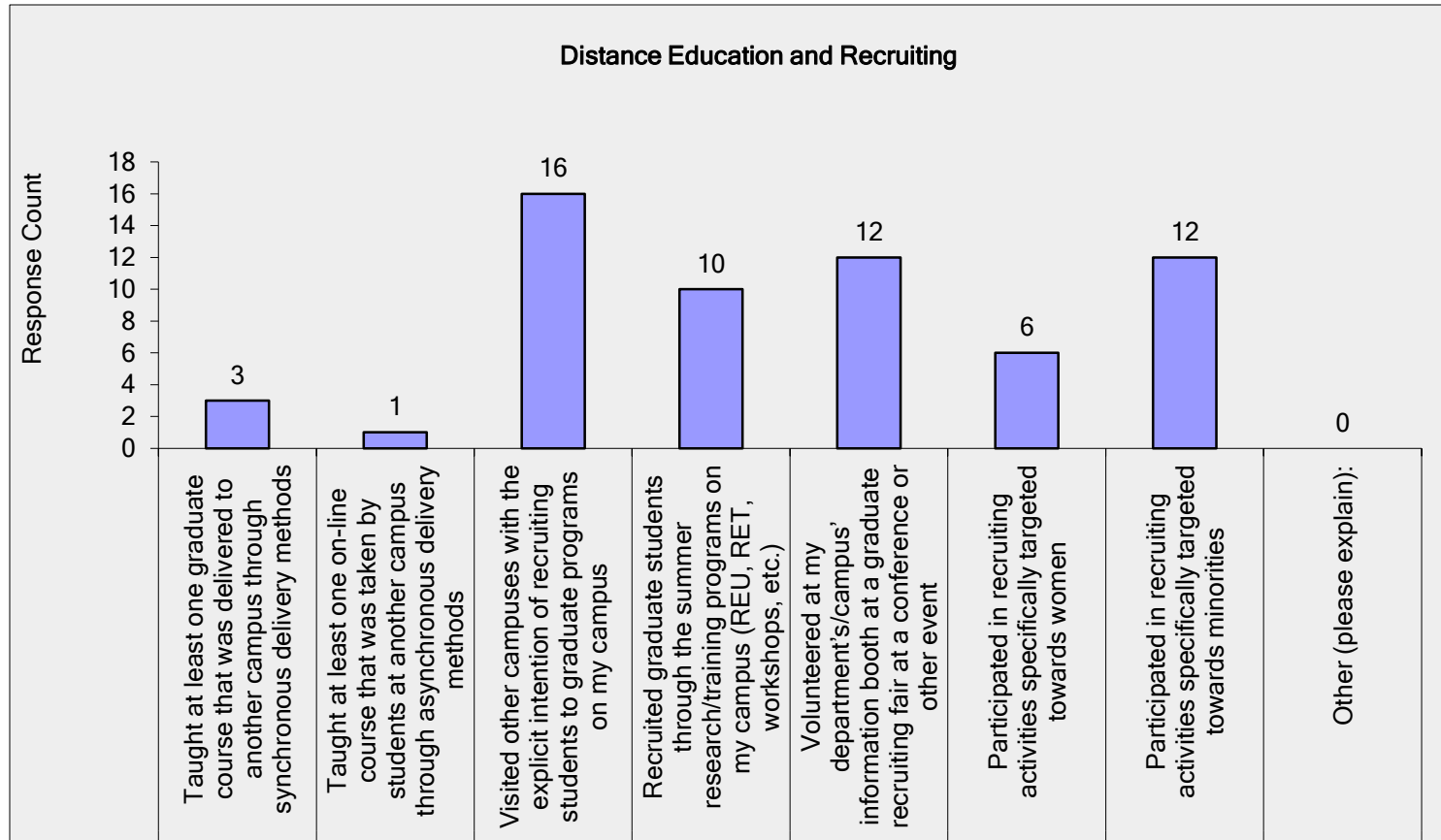
October 1, 2009 to October 31, 2010



Perhaps we should group the items in a different way to match the sections of the proposal.

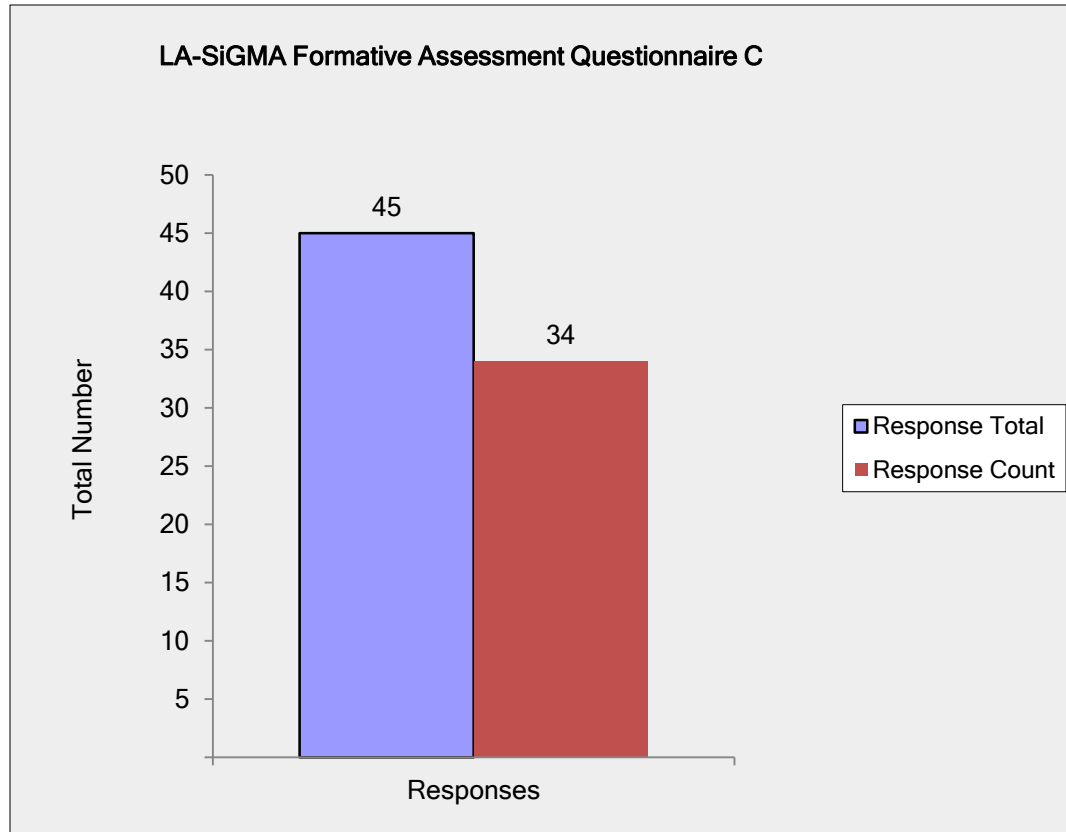
15 people skipped; add "none of the above" option.

Distance Ed. and Recruiting: October 1, 2009 to October 31, 2010



21 people skipped this question. Need to provide a “None of the above” option.

No. of graduate students recruited through personal effort



143 graduate students total - 31% of graduate students recruited through personal efforts.

External Evaluator

- The Office of Educational Innovation and Evaluation (OEIE) at Kansas State University was secured as of May 1, 2011 to serve as the external evaluators for the LA-SiGMA project.
- A detailed evaluation plan has been created.
- Ongoing evaluation of LA-SiGMA project will be done in collaboration with OEIE.



Office of Educational Innovation & Evaluation

Linking the College of Education to partners across the university, schools, and communities through development, research, and technical assistance.

CINDI DUNN, Ed.D.

Evaluator

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Cindi Dunn is a principal evaluator in the Office of Educational Innovation and Evaluation (OEIE). She is responsible for developing and implementing program evaluations for externally funded projects. Dunn serves as the principal evaluator for the Equity and Access: Teacher Quality Enhancement; Comprehensive School Reform; and Science, Technology, Engineering, Mathematics Teacher Preparation grants. She joined OEIE in June 2003.

From 1995 - 2003, Dunn served as a clinical instructor, university instructor and university supervisor for the Kansas State University, College of Education, Professional Development Schools (PDS) program. She coordinated the establishment of six new PDS sites. In addition, from 1992 – 2001 Dunn served as the Instructional Facilitator for Manhattan High School where she developed and implemented a peer evaluation program for teacher evaluation and collaborated in the development of a new teacher mentoring program for the school district.

During the period 1985-1998, Dunn taught a variety of secondary mathematics and computer application and programming courses. She also taught College of Education courses during the period 1995- 2005.

Dunn holds an Educational Doctorate in Curriculum and Instruction: Technology from Kansas State University. She also earned a Masters of Science degree from Iowa State University in Curriculum and Instruction: Educational Computing and graduated with a Bachelor of Science degree in Secondary Mathematics and Business Education from the University of Nebraska.

<http://www.oeie.ksu.edu/staff/ckdunn.html>



Louisiana
EPSCoR



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