Displaying FSSE and NSSE Results in Combination: An Overview of Web-Based Tools and Reports

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Today’s Agenda

• Faculty Survey of Student Engagement (FSSE)
• FSSE reports
• Web-based tools and reports
• Group exercise
• Other resources
• Questions are welcome!
Overview: Surveys

Faculty Survey of Student Engagement (FSSE)
- Survey designed to complement NSSE and to measure faculty expectations for student engagement in educational practices that are known to be empirically linked with high levels of learning and development

National Survey of Student Engagement (NSSE)
- Annual survey of first-year students and seniors at four-year institutions that measures students’ participation in educational experiences that prior research has connected to valued outcomes
Overview: Survey Items

- Faculty perceptions of how often their students engage in different activities
- The importance faculty place on various areas of learning and development
- The nature and frequency of interactions faculty have with students
- How faculty members organize class time
Overview: History

• First national administration in 2003

• Over 120,000 faculty responding from 530 different institutions since 2003

• 23,385 faculty respondents from 160 institutions in 2008

• Average institutional response rate of about 50% each year
Overview: Administration

- Faculty surveyed in the spring
- Institutions choose faculty to be surveyed
- Faculty responses are kept anonymous
- Administered online as a web-only survey

Two survey options
- Course-based questions
- Typical student questions
Overview: Survey Options

Course-based (CB) survey option

- Each faculty member responds to questions about student engagement based on a course taught during the current academic year

- Only survey option in previous administrations (2003-05)
Overview: Survey Options

Typical Student (TS) survey option

- Each faculty member responds to questions about student engagement based on the typical student (first-year or senior) taught during the current academic year

- New survey option in 2006
FSSE Reports
FSSE Reports

Customized reports of faculty responses

- Respondent Characteristics Report
- Frequency Report
- NSSE-FSSE Combined Report
Respondent Characteristics Table (RCT)

- Provides a snapshot of how well faculty respondents match to submitted population file
- Data are reported in the aggregate form to ensure faculty anonymity
- Demographics variables are not returned in SPSS data file (e.g. rank, tenure status, employment status, gender, race/ethnicity)
FSSE Reports

Frequency Report

- Item-level frequencies
- No institutional comparison

<table>
<thead>
<tr>
<th>Variable</th>
<th>Response Options</th>
<th>Faculty who teach First-year students</th>
<th>Faculty who teach Seniors</th>
<th>Faculty Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Practicum, internship, field experience, co-op experience, or clinical assignment</td>
<td>Not important</td>
<td>4 3%</td>
<td>0 0%</td>
<td>4 2%</td>
</tr>
<tr>
<td></td>
<td>Somewhat important</td>
<td>26 19%</td>
<td>10 16%</td>
<td>36 18%</td>
</tr>
<tr>
<td></td>
<td>Important</td>
<td>49 36%</td>
<td>26 41%</td>
<td>75 38%</td>
</tr>
<tr>
<td></td>
<td>Very important</td>
<td>57 42%</td>
<td>27 43%</td>
<td>84 42%</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>136 100%</td>
<td>63 100%</td>
<td>199 100%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Variable</th>
<th>Response Options</th>
<th>Faculty who teach First-year students</th>
<th>Faculty who teach Seniors</th>
<th>Faculty Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>b. Community service or volunteer work</td>
<td>Not important</td>
<td>8 6%</td>
<td>5 8%</td>
<td>13 7%</td>
</tr>
<tr>
<td></td>
<td>Somewhat important</td>
<td>34 25%</td>
<td>19 30%</td>
<td>53 27%</td>
</tr>
<tr>
<td></td>
<td>Important</td>
<td>56 41%</td>
<td>25 40%</td>
<td>81 41%</td>
</tr>
<tr>
<td></td>
<td>Very important</td>
<td>38 28%</td>
<td>14 22%</td>
<td>52 26%</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>136 100%</td>
<td>63 100%</td>
<td>199 100%</td>
</tr>
</tbody>
</table>
FSSE Reports

FSSE-NSSE Combined Report

Presents faculty results side-by-side with student results allowing institutions to identify areas of correspondence as well as gaps

<table>
<thead>
<tr>
<th>Importance faculty place on campus-facilitated activities and student participation:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Faculty Responses</strong></td>
</tr>
</tbody>
</table>

### Faculty Responses

<table>
<thead>
<tr>
<th>FSSE Item</th>
<th>Variable</th>
<th>Class</th>
<th>Very Important or Important</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practicum, internship, field experience, co-op experience, or clinical assignment</td>
<td>FINTERN</td>
<td>LD</td>
<td>82%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UD</td>
<td>88%</td>
</tr>
<tr>
<td>Community service or volunteer work</td>
<td>FVOLUNTR</td>
<td>LD</td>
<td>55%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UD</td>
<td>70%</td>
</tr>
<tr>
<td>Participation in a learning community or some other formal program where groups of students take two or more classes together</td>
<td>FLERNCOM</td>
<td>LD</td>
<td>42%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UD</td>
<td>48%</td>
</tr>
</tbody>
</table>

### Student Responses

<table>
<thead>
<tr>
<th>NSSE Item</th>
<th>Variable</th>
<th>Class</th>
<th>Done</th>
<th>Plan to do</th>
<th>Do not plan to do</th>
<th>Have not decided</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practicum, internship, field experience, co-op experience, or clinical assignment</td>
<td>INTERN04</td>
<td>FY</td>
<td>5%</td>
<td>78%</td>
<td>4%</td>
<td>13%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SR</td>
<td>69%</td>
<td>15%</td>
<td>12%</td>
<td>3%</td>
</tr>
<tr>
<td>Community service or volunteer work</td>
<td>VOLNTR04</td>
<td>FY</td>
<td>33%</td>
<td>46%</td>
<td>7%</td>
<td>14%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SR</td>
<td>66%</td>
<td>9%</td>
<td>15%</td>
<td>10%</td>
</tr>
<tr>
<td>Participate in a learning community or some other formal program where groups of students take two or more classes together</td>
<td>LRNCOM04</td>
<td>FY</td>
<td>16%</td>
<td>28%</td>
<td>22%</td>
<td>35%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SR</td>
<td>25%</td>
<td>9%</td>
<td>52%</td>
<td>14%</td>
</tr>
</tbody>
</table>
Web-based Tools and Reports
FSSE Web-based Resources

- FSSE and NSSE results are meant to shape productive discussion
- Designed to help users to go beyond the standard reports
- Practical approach to developing a contextual picture of student engagement

www.fsse.iub.edu
FSSE Web-based Resources

Website Highlights

• Featured Institution
• FSSE on the Road
• Archived Reports
• Guide to selecting a survey option
• Sample of customized reports
FSSE Web-based Resources

Using FSSE Data

- NEW Facilitator’s Guide
- Special Analysis
- Grand Frequency Reports
- FSSE Selected Results

http://fsse.iub.edu/html/FSSE_selected_results.cfm
FSSE Web-based Resources

FSSE Selected Results

- Organized by topical areas and administration year
- Faculty trends at the national level
- Provide examples of ways institutions can showcase their own FSSE and NSSE findings
- Offers a level of comparison
FSSE Selected Results

Select administration year

2008 | 2007 | 2006

FSSE Selected Results describe interesting findings from FSSE and provide examples of how institution-based data users can showcase their own FSSE findings in order to initiate conversations about student engagement on their campuses.

By downloading SPSS syntax available with each selected result, schools can easily reproduce the illustrations featured below and compare their findings to faculty trends at the national level. Each link provides a visual representation of the data accompanied by an explanation of the result. Additional examples are available for previous FSSE years in the FSSE Archives.

2008

Faculty Time

Research, Teaching, and Other Professorial Activities
Teaching Practices

Comparing NSSE-FSSE Results

Student and Faculty Expectations
Supportive Campus Environment
Classroom Practices

Other Teaching and Learning Results

Deep Approaches to Learning
Academic Misconduct
Student-led Instruction

Select topical area
Comparing NSSE and FSSE Results: Classroom Practices

Reproduce illustration using Course-Based data
Reproduce illustration using Typical-Student data

The FSSE Course-Based survey option asks faculty members how important it is for students in their selected course section to participate in certain classroom practices, such as preparing two or more drafts before turning in an assignment or working with others outside of class. Similarly, NSSE asks students to indicate how frequently they participate in the same activities.

The graph below compares faculty members who teach or have taught a lower division course section to first-year students. In particular, it illustrates the percentage of faculty who believe a certain activity is 'important or very important' to students who participate in the same activities 'often or very often'.

Faculty who believe selected learning tasks are important vs.
Students who report 'Frequently' participating in selected learning tasks

- Faculty teaching lower division courses
- First-year students

<table>
<thead>
<tr>
<th>Activity</th>
<th>Faculty Teaching Lower Division Courses</th>
<th>First-Year Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepare two or more drafts</td>
<td>47%</td>
<td>55%</td>
</tr>
<tr>
<td>A paper or project that integrating ideas from various sources</td>
<td>68%</td>
<td>78%</td>
</tr>
<tr>
<td>Work with classmates outside of class to prepare an assignment</td>
<td>43%</td>
<td>57%</td>
</tr>
</tbody>
</table>
Save SPSS syntax to your desktop.
COMPARING NSSE-FSSE RESULTS.

CLASSROOM PRACTICES - STUDENT PARTICIPATION IN SELECTED LEARNING TASKS.

STEP 1: FILE IN FILE LOCATION AND NAME FOR FSSE08 FILE

GET FILE='C:\FSSE08.sav'.

Note: FSSE data file location

STEP 2: RECODE INTO LEVEL OF IMPORTANCE FACULTY PLACE ON SELECTED LEARNING TASK (FACULTY).

RECODE FREWROPA TO fchngvw1 (1 THRU 2=1) (3 THRU 4=2) INTO FREWROPA1 fintegral foccgrpl fintideal foccid051 ftutor1 fownview1 fothrvw1 fchngvw1.
VARIABLE LEVEL FREWROPA1 fintegral foccgrpl fintideal foccid051 ftutor1 fownview1 fothrvw1 fchngvw1(ORDINAL).
VALUE LABELS FREWROPA1 fintegral foccgrpl fintideal foccid051 ftutor1 fownview1 fothrvw1 fchngvw1 1 'LOW IMPORTANCE'
2 'MOD IMPORTANCE'
3 'HIGH IMPORTANCE'
4 'EXCELLENT'.

STEP 3: PERCENTAGE OF FACULTY WHO BELIEVE SELECTED LEARNING TASKS ARE IMPORTANT TO VERY IMPT (FACULTY).

CTABLES
/VLABELS VARIABLES=crslevel FREWROPA1 fintegral foccgrpl DISPLAY=DEFAULT
/TABLE FREWROPA1 [COUNT F40.0, COLLECT.COUNT PCT40.1] + fintegral [COUNT F40.0, COLLECT.COUNT PCT40.1] + foccgrpl [COUNT F40.0, COLLECT.COUNT PCT40.1] BY crslevel
/CATEGORIES VARIABLES=crslevel FREWROPA1 fintegral foccgrpl ORDER=A
KEY=VALUE EMPTY=INCLUDE.

STEP 4: FILE IN FILE LOCATION AND NAME FOR NSSE07 OR NSSE08 FILE.

GET FILE='C:\NSSE.sav'.
SELECT IF (SMP105 LE 3 AND ENELIG EQ 1).
EXIT.

STEP 5: RECODE INTO FREQUENCY OF PARTICIPATION IN SELECTED LEARNING TASK (STUDENTS).

RECODE REWROPA1 INTEGRAT OCCGRP INTIDIES OCCIDEAS TUTOR OWNVIEW OTHVIEW CHNGVIEW (1 THRU 2=1) (3 THRU 4=2) INTO REWROPA1 INTEGRAT1 OCCGRP1 INTIDIES1 OCCIDEAS1 TUTOR1 OWNVIEW1 OTHVIEW1 CHNGVIEW1.
VARIABLE LEVEL REWROPA1 INTEGRAT1 OCCGRP1 INTIDIES1 OCCIDEAS1 TUTOR1 OWNVIEW1 OTHVIEW1 CHNGVIEW1(ORDINAL).
VALUE LABELS REWROPA1 INTEGRAT1 OCCGRP1 INTIDIES1 OCCIDEAS1 TUTOR1 OWNVIEW1 OTHVIEW1 CHNGVIEW1 1 'SOME/NEVER' 2'F
3 'MODERATE' 4 'HIGH' 5 'EXCELLENT'.

Note: NSSE data file location
COMPARING NSSE-FSSE RESULTS.

CLASSROOM PRACTICES - STUDENT PARTICIPATION IN SELECTED LEARNING TASKS.

COURSE-BASED SURVEY OPTION ONLY.

STEP 1 TYPE IN FILE LOCATION AND NAME FOR FSSE08 FILE.

GET FILE='C:\FSSE08.sav'.

STEP 2 RECODE INTO LEVEL OF IMPORTANCE FACULTY PLACE ON SELECTED LEARNING TASKS.

RECODE FREWROPA1 TO fchngvw (1 THRU 2=1) (3 THRU 4=2) INTO FREWROPA1 fintegral foccgrp1 fintideal foccid051 fctutor1 fowview1 fothrvwl fchngvw1.

VARIABLE LEVEL FREWROPA1 fintegral foccgrp1 fintideal foccid051 fctutor1 fowview1 fothrvwl fchngvw1 (ORDINAL).

VALUE LABELS FREWROPA1 fintegral foccgrp1 fintideal foccid051 fctutor1 fowview1 fothrvwl fchngvw1 1='LOW IMPORTANCE' 2='HIGH IMPORTANCE'.

STEP 3 PERCENTAGE OF FACULTY WHO BELIEVE SELECTED LEARNING TASKS ARE IMPORTANT TO VERY IMPT (FACULTY).

CTABLES
/VLABELS VARIABLES=crslevel FREWROPA1 fintegral foccgrp1 DISPLAY=DEFAULT
/TABLE FREWROPA1 [COUNT P40=0, COLPCT.COUNT PCT40=1] + fintegral [COUNT P40=0, COLPCT.COUNT PCT40=1] BY crslevel
/CATEGORIES VARIABLES=crslevel FREWROPA1 fintegral foccgrp1 ORDER=A KEY=VALUE EMPTY=INCLUDE.

STEP 4 TYPE IN FILE LOCATION AND NAME FOR NSSE07 OR NSSE08 FILE.

GET FILE='C:\NSSE.sav'.
SELECT IF (SMPL05 LE 3 AND INELIG EQ 1).

STEP 5 RECODE INTO FREQUENCY OF PARTICIPATION IN SELECTED LEARNING TASKS (STUDENTS).

RECODE FREWROPA1 INTEGRAT OCCGRP INTIDEAS OOCIDEAS TUTOR OWNVIEW OTHERVIEW CHNGVIEW1 (1 THRU 2=1) (3 THRU 4=2) INTO FREWROPA1 INTEGRAT1 OCCGRP1 INTIDEAS1 OOCIDEAS1 TUTOR1 OWNVIEW1 OTHERVIEW1 CHNGVIEW1.

VARIABLE LEVEL FREWROPA1 INTEGRAT1 OCCGRP1 INTIDEAS1 OOCIDEAS1 TUTOR1 OWNVIEW1 OTHERVIEW1 CHNGVIEW1 (ORDINAL).

VALUE LABELS FREWROPA1 INTEGRAT1 OCCGRP1 INTIDEAS1 OOCIDEAS1 TUTOR1 OWNVIEW1 OTHERVIEW1 CHNGVIEW1 1='SOME/NEVER' 2='ALWAYS/NEVER'...
Contextualize FSSE Results: Group Exercise
Metro University – Case Study

Institutional Characteristics

- Master’s level (large)
- Enrollment 13,000
- 4-year, private
- Urban residential campus
- Competitive
### FSSE and NSSE Combined Results

**Work with classmates outside of class to prepare an assignment**

<table>
<thead>
<tr>
<th></th>
<th>Faculty teaching lower division (Impt to Very Impt)</th>
<th>First-year students (Often to Very Often)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metro University</td>
<td>44%</td>
<td>56%</td>
</tr>
<tr>
<td>Acceptable ?</td>
<td>Yes/No?</td>
<td>Yes/No?</td>
</tr>
<tr>
<td>FSSE Selected Results</td>
<td>43%</td>
<td>57%</td>
</tr>
</tbody>
</table>
## Discipline-based: Physical Sciences

In your selected course section, on average, what percentage of class time is spent on the follow?

<table>
<thead>
<tr>
<th>Teaching practice</th>
<th>Expectations</th>
<th>Metro University</th>
<th>FSSE Selected Results</th>
<th>Acceptable ?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecturing</td>
<td></td>
<td>48%</td>
<td>55%</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Small group</td>
<td></td>
<td>20%</td>
<td>12%</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Experiential</td>
<td></td>
<td>14%</td>
<td>13%</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Response Set (75% or more)</td>
<td>Metro University</td>
<td>Master’s Level (Large)</td>
<td>Acceptable</td>
<td></td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------</td>
<td>------------------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>Lecturing</td>
<td>12%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Institutional Comparison**

In your selected course section, on average, what percentage of class time is spent on the follow?

Response set: 0%, 1-9%, 10-19%, 20-29%, 30-39%, 40-49%, 50-74%, 75% or more

Back to **Using FSSE Data**
Faculty Survey of Student Engagement

Using FSSE Data
FSSE provides campuses with information that can be used almost immediately to improve various aspects of institutional performance and help professors enrich the college experience of their students. Schools use FSSE results in many ways, including:

- Faculty development programs
- Faculty workshops and retreats
- Scholarship of teaching and learning (SOTL)
- Assessment and improvement
- Institutional research
- Curricular reform
- Accreditation and self-studies

The impact of FSSE results can be enhanced when used in combination with results from NSSE. For tips on using your FSSE results to facilitate workshops, presentations, and discussions about student engagement practices with others on campus, download a copy of our new FSSE Facilitator’s Guide. To learn more about additional services and reports we provide, please visit: Selected Results, Sample Reports and Grand Frequencies, and Special Analysis.
Institutional Comparison

Institutional Report 2008

SECTION II. FSSE

FSSE 2008 Overview
FSSE 2008 Participating Institutions

Codebooks
FSSE 2008 Codebook (Course-Based)
FSSE 2008 Codebook (Typical Student)

Respondent Characteristics
FSSE 2008 Respondent Characteristics (Course-Based)
FSSE 2008 Respondent Characteristics (Typical Student)

Frequency Distributions
FSSE 2008 Frequency Distributions (Course-Based)
FSSE 2008 Frequency Distributions (Typical Student)

FSSE-NSSE Combined Report
FSSE-NSSE 2008 Combined Report (Course-Based)
FSSE-NSSE 2008 Combined Report (Typical Student)

Additional Survey Information

Course-based Option
Course-based - Demo.pdf
Course-based Item Descriptors

Typical Student Option
Typical Student - Demo.pdf
Typical Student Item Descriptors

Grand Frequencies

Course-Based Survey Option
Research Universities (very high research activity)
Research Universities (high research activity)
Doctoral/Research Universities
Master’s Colleges and Universities (large programs)
Master’s Colleges and Universities (medium programs)
Master’s Colleges and Universities (small programs)
Baccalaureate Colleges (art & science)
Baccalaureate Colleges - Diverse (princeton)

Grand Frequency
In your selected course section, how important is it that your students do the following? (continued)

<table>
<thead>
<tr>
<th>Variable</th>
<th>Response Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set 1</td>
<td></td>
</tr>
<tr>
<td>Not Important</td>
<td>324 (15%)</td>
</tr>
<tr>
<td>Somewhat Important</td>
<td>252 (12%)</td>
</tr>
<tr>
<td>Important</td>
<td>399 (18%)</td>
</tr>
<tr>
<td>Very Important</td>
<td>604 (28%)</td>
</tr>
<tr>
<td>Total</td>
<td>1410 (100%)</td>
</tr>
<tr>
<td>Set 2</td>
<td></td>
</tr>
<tr>
<td>Not Important</td>
<td>52 (4%)</td>
</tr>
<tr>
<td>Somewhat Important</td>
<td>118 (8%)</td>
</tr>
<tr>
<td>Important</td>
<td>395 (27%)</td>
</tr>
<tr>
<td>Very Important</td>
<td>919 (62%)</td>
</tr>
<tr>
<td>Total</td>
<td>1482 (100%)</td>
</tr>
</tbody>
</table>

In your selected course section, on average, what percent of class time is spent on the following?

<table>
<thead>
<tr>
<th>Variable</th>
<th>Response Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set 1</td>
<td></td>
</tr>
<tr>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>0%</td>
<td>47 (3%)</td>
</tr>
<tr>
<td>1-19%</td>
<td>161 (13%)</td>
</tr>
<tr>
<td>20-29%</td>
<td>188 (15%)</td>
</tr>
<tr>
<td>30-39%</td>
<td>149 (12%)</td>
</tr>
<tr>
<td>40-49%</td>
<td>213 (17%)</td>
</tr>
<tr>
<td>50-74%</td>
<td>322 (22%)</td>
</tr>
<tr>
<td>75% or more</td>
<td>202 (15%)</td>
</tr>
<tr>
<td>Total</td>
<td>1442 (100%)</td>
</tr>
<tr>
<td>Set 2</td>
<td></td>
</tr>
<tr>
<td>Teaching</td>
<td></td>
</tr>
<tr>
<td>0%</td>
<td>22 (2%)</td>
</tr>
<tr>
<td>1-19%</td>
<td>292 (23%)</td>
</tr>
<tr>
<td>20-29%</td>
<td>297 (22%)</td>
</tr>
<tr>
<td>30-39%</td>
<td>274 (20%)</td>
</tr>
<tr>
<td>40-49%</td>
<td>178 (13%)</td>
</tr>
<tr>
<td>50-74%</td>
<td>113 (9%)</td>
</tr>
<tr>
<td>75% or more</td>
<td>37 (3%)</td>
</tr>
<tr>
<td>Total</td>
<td>1409 (100%)</td>
</tr>
</tbody>
</table>
## Institutional Comparison

In your selected course section, on average, what percentage of class time is spent on the follow?

<table>
<thead>
<tr>
<th>Response Set (75% or more)</th>
<th>Metro University</th>
<th>Master’s Level</th>
<th>Acceptable ?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecturing</td>
<td>8%</td>
<td>12%</td>
<td>Yes/No</td>
</tr>
</tbody>
</table>
Recommendations

• Strongly discourage statistical testing between student (NSSE) and faculty (FSSE) data

• When presenting NSSE and FSSE Combined Results, be upfront with your audience about data limitations

• Despite limitations, reaching the goal of having productive discussion is possible
Other Resources

Ways we have reported FSSE and NSSE results in

- Annual reports
- FSSE Overview
- Conference presentations
- Research papers

FSSE Webinars

User’s Workshops
For More Information

• Email: agarver@indiana.edu
  shawmd@indiana.edu
  fsse@indiana.edu

• Phone: (812) 856-5824

• FSSE Web site: www.fsse.iub.edu

• NSSE Web site: www.nsse.iub.edu