

NSSE and AAUDE

Lou McClelland, U of Colorado at Boulder - AAUDE Indianapolis, April 2009

We have a gold mine of individual student survey responses

- Single SAS dataset with 10 years, now over 20,000 random-sample responses per year, from freshmen and seniors
- User guide, tables of means and SDs, Excel codebooks, SAS formats, posted overall counts, etc. All at <http://www.colorado.edu/pba/surveys/nsse-aaude>.
- 3 time windows (01-03, 04-06, 07-09) with all 16 institutions represented in each, of Arizona, Colorado, Illinois, Kansas, Maryland, Michigan, Missouri, North Carolina, Nebraska, Ohio State, Oregon, Pittsburgh, Texas, Virginia, Washington, Wisconsin
 - Comparison group used by CU-Boulder so have same peers in each of 3 time points
 - VSA uses/accepts NSSE and requires administration at least every 3 years
- Other schools and responses from “oversamples” (not random) are also in dataset
 - Website shows counts for schools by years
- Discipline info including CIP codes – thanks to Mary Black (MSU) and Linda Lorenz (MN)
- 2010 participants: Illinois, Indiana, Kansas, Michigan State, Nebraska, N Carolina, Ohio State, Texas. *If you know of others let me know.*

Data are at Colorado, not warehouse. AAUDE website exchange-item page for NSSE points to <http://www.colorado.edu/pba/surveys/nsse-aaude> which is a public website leading to passworded datasets.

Response rates

- Average 31% for both freshmen and seniors ; range 20's to 50's
- Have only for 2005-08. No real trends or patterns

Recent changes and events

- Census! Starting in 2010 NSSE will do a census for no additional cost. Yea! This allows
 - by-discipline analyses
 - all-campus campaigns encouraging response
- Pilot, Colorado, '09, using both AAUDE and writing-consortium questions on split sample. Disaster. NSSE made error after error. We ended up with a full census, and useable data, in recompense. Not ready for general use.

Use at Colorado

<http://www.colorado.edu/pba/surveys/NSSE/09/>

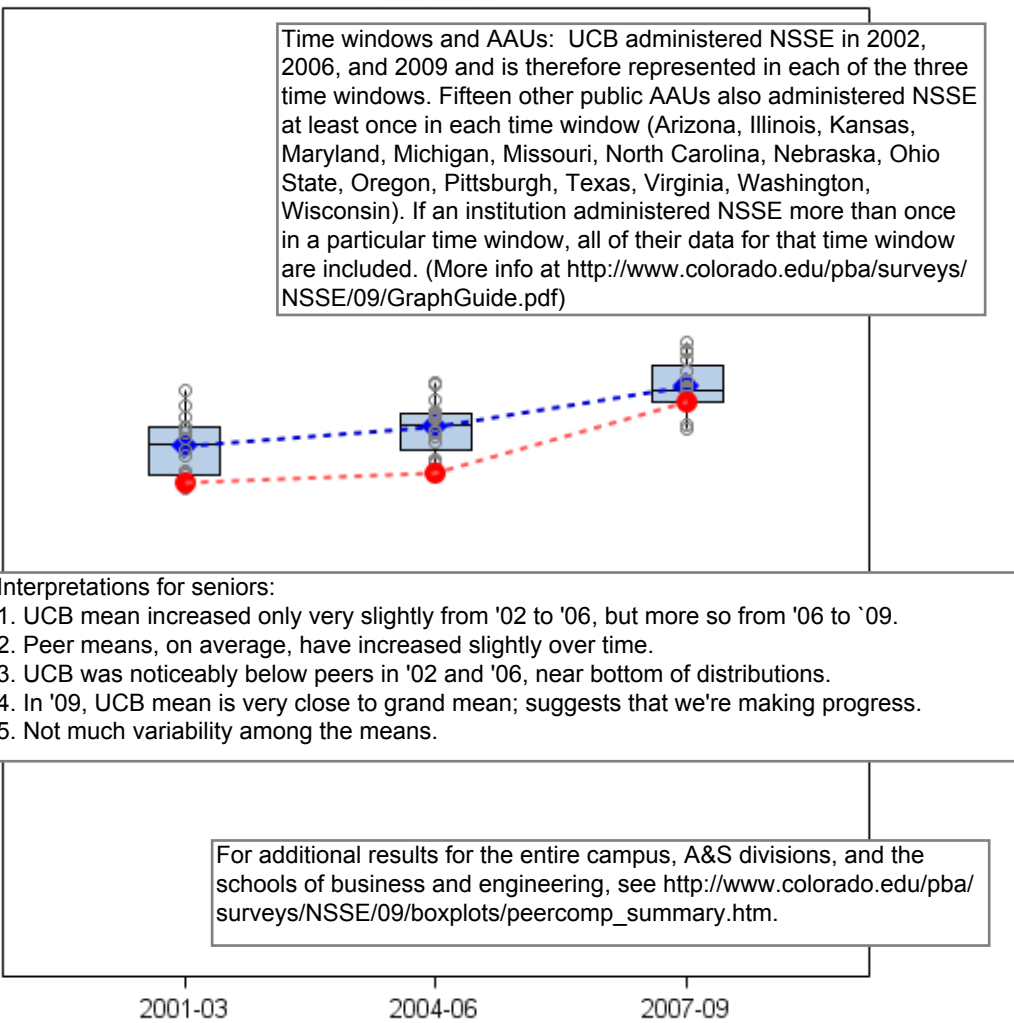
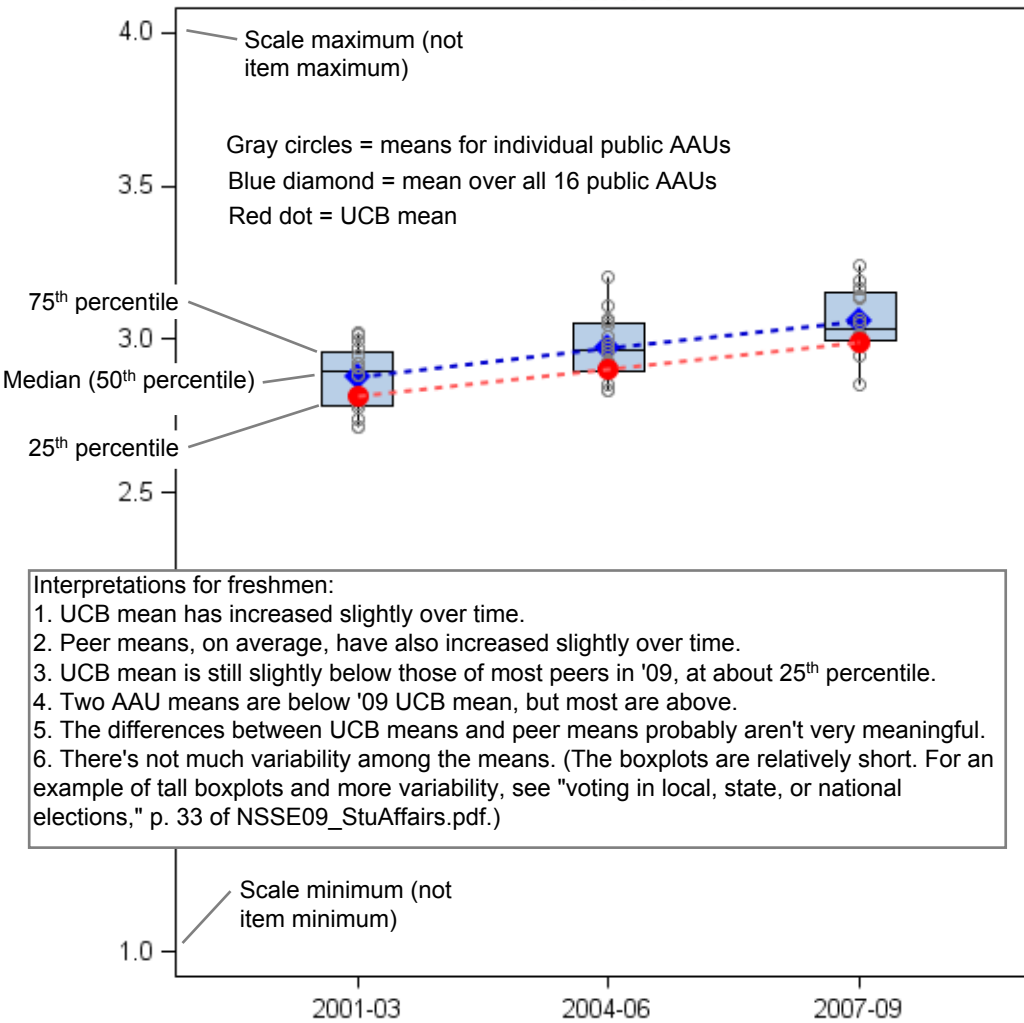
- Post all results. Put in VSA and accreditation. Go to department level, put in academic program review profiles (course availability, academic quality, advising)
- Compare over schools/colleges/depts, over time, and vs. peers
- Review with anyone who'll listen
- See over for sample over-time, frosh vs. senior, us vs. peers, plot. SAS code available.

This graph shows distributions of item means over 16 AAU publics, including UCB, for each of 3 "time windows," (2001-03, 2004-06, and 2007-09) and 2 student groups (freshmen and seniors).

Example of Interpreting the Peer/Over Time Graphs

Freshmen

Seniors



Interpretations for freshmen:

1. UCB mean has increased slightly over time.
2. Peer means, on average, have also increased slightly over time.
3. UCB mean is still slightly below those of most peers in '09, at about 25th percentile.
4. Two AAU means are below '09 UCB mean, but most are above.
5. The differences between UCB means and peer means probably aren't very meaningful.
6. There's not much variability among the means. (The boxplots are relatively short. For an example of tall boxplots and more variability, see "voting in local, state, or national elections," p. 33 of NSSE09_StuAffairs.pdf.)

Interpretations for seniors:

1. UCB mean increased only very slightly from '02 to '06, but more so from '06 to '09.
2. Peer means, on average, have increased slightly over time.
3. UCB was noticeably below peers in '02 and '06, near bottom of distributions.
4. In '09, UCB mean is very close to grand mean; suggests that we're making progress.
5. Not much variability among the means.

For additional results for the entire campus, A&S divisions, and the schools of business and engineering, see http://www.colorado.edu/pba/surveys/NSSE/09/boxplots/peercomp_summary.htm.

◆ Grand mean

● CU-Boulder

UCB emphasizes: Providing the support you need to help you succeed academically
Scale: 1 = Very little 2 = Some 3 = Quite a bit 4 = Very much

Entire Campus