

Academic Analytics (AA) at CU-Boulder

Update 1/7/2014

<http://www.colorado.edu/pba/peer/acanalytics.htm>

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L:\IR\Reports\GuideGR\AcAnalytics\AAatUCB_Update201401.docx**2012 faculty and units lists** – complete revamp. Highlights

- 1: Identify UCB **individuals** from PBA files using AA guidelines and common practices
 - Basics: Formal HR appointment (paid/not) 11/1/12 and TTT, research prof, adjoint, clinical prof, RA/SRA, museum curator/assoc
 - *Changes: List all with adjoint appointments from the federal labs, all Nobel prize winners, and all institute directors (a few of each were missed before); add museum-related academic appointments*
- 2: Identify **units**, or ways of aggregating individuals, of three AA types: “Departments,” PhD Programs, and “other”
 - *Changes: Review all and add new PhD programs; divide and name PhD programs to match UCB school-college web listings*
 - *List all Regent-approved organizational units including research institutes and museum, plus all other tenure homes. Call all units with research expectations “departments;” this will make them visible in the portal to users at other schools.*
- 3: Associate units with AA **disciplines**, also called the AA taxonomy
 - *Changes: List disciplines for research institutes; add discipline associations to increase comparability with other schools; e.g., put SLHS in both AA’s “Speech and Hearing Sciences” and in AA’s “Communication Disorders and Sciences,” used by many of SLHS’s peer departments*
 - *Increased unit type x unit x discipline entries from 110 to 381.*
- 4: **Associate individuals with units** of all types
 - *Changes: Use participating departments for cross-department PhD programs; use websites and other internal records to supplement HR records*
- *All this is a big deal, and enhances, indeed enables, the utility of all AA data.*

AA workshop Feb 3-4, Boulder

- For clients with or considering individual activity data – e.g., John Brown authored article ABC in journal XYZ issue/date; Ted Smith received honor Q from agency W year Y.
- Plus advisory board meeting
- Lou local arrangements, advisory board, and workshop, presenting on UCB use/plans/hopes and on analyses spinning from doing 2012 lists
- Rob, Liz T, Alex V coming also

Other infrastructure work

- Met with AA staff to review all portal screens and suggest enhancements. Learned how to use most parts of current portal.
- Credentialed several users to the portal. To do: Write guidelines for UCB portal users.
- Sent suggestions re custom broad fields, discipline matches, other – many in AA’s court
- Modified 2011 database (release currently in use) which omitted two of our Nobel prize winners entirely (Cornell, Wineland), and omitted one winner’s association with Physics (Hall). This was our fault. AA has fixed, and I fixed file-generation code to avoid this problem in future.

- Keep on AA about matching our non-tenured/tenure-track faculty including our over 800 senior/research associates who are expected to produce research and publications as a condition of employment.
- “Expert picker” beta facility – much work, especially with INSTAAR, and feedback to AA on issues, displays, etc.
- **HOLD** Book chapters – new from AA, have pilot data. Pulled psych; English there too and 2-3 others. Got 10/1/13. Next: verification.
- **HOLD** Detail data file (person by individual articles, books, grants) checks and comments to AA (not done yet)
- **HOLD** Many other to do’s, website, advisory group, blurbs out
 - After 2012 list of people, units, programs, and affiliations in, write up what have been doing, get with Russ/Kelly/Leigh others for advisory group
- **HOLD** Long term – discussed with Eric Thrasher of AA
 - Profile disciplines and broad fields in RAW terms – mix of publishing vs. grants, authors/paper, papers/author, etc.
 - Ditto on depts

Work for campus clients – most on hold pending completion of 2012 faculty, units lists

- **HOLD** Faculty Affairs, individual person detail data on recent and past articles, conference proceedings, honors, and books, for public use in VIVO and population/pre-population of FRPA forms and FIS data on individuals - Liz Tomich (and Alex)
 - Focused on 2013 journal articles; decided not to push to get more from AA by Dec 1.
- **HOLD** Library collections, info on journals and UCB and national publishing by broad field and discipline, for libraries to use in considering journals to drop or add
 - Out to AA 10/8/13
- **HOLD** Institutes, starting with INSTAAR, for development of scholarly activity metrics meaningful to them
 - Considerable work on finding peer institutions, characterizing faculty, and ensuring that INSTAAR-affiliated faculty are so reflected in HR. Work ongoing identifying affiliated students, for eventual PhD-recipient tracking.
 - Related work on “School of Sustainability” and on selling Boulder’s contributions in the research areas in which INSTAAR specializes.
 - Work out to AA (especially custom broad field enhancements)
- **DONE** Program review units with self-studies due this fall, particularly Business and Education
 - Worked with School of Education on alternative uses; now incorporated in their self-study.
 - Leeds Business – sent report 11/4, of limited utility due to discipline mapping in 2011.
 - Journalism – Sent report 11/4, comparing to custom peer list of the ~50 depts with word “journalism” in name and 9+ faculty. Braider said not doing self-study this fall.
- Use of fall 2012 posting (summary at <http://www.colorado.edu/pba/peer/CU-BoulderUseOfAAInProgramReview2012b.pdf>) – individuals granted access Oct 2013 and later to the posting with data used by A&S social science units in self-studies fall 2012
 - Academic Review and Planning reviewers (N ~ 20)
 - AABAC ditto N =8 or more
 - AVC’s Bill, Jeff, Bob

- **HOLD** Grad school, John S – tracking UCB PhD recipients.
 - I have a file from AA with data on 763 individuals getting PhD's here since 1950 (!). We've granted more than 7600 PhD's 1988-2013.
 - I estimate that it would take me about two weeks, probably, of solid work to turn it into something ready to review w the grad school. The file from AA must be matched to our degree-recipient files by name just to squeeze out info such as what degree the person got, when (chemistry 1988, history 1965, etc.). Then there would be additional work characterizing the folks matched/sent by AA, to all degree recipients.
- **HOLD** Faculty Affairs, VC Research, others – characterizing (or finding) UCB people, depts, doing research in specified area, and collaborations among them
 - Awaiting improvements in “expert picker” and UCB work and collaboration files from AA