DIY Tools for Grad Program Assessment

An Approach and Some Examples

Rick Dale
CIS Grad Chair
cogsci.ucmerced.edu / cognaction.org/rick
Graduate Assessment
Graduate Assessment
Graduate Assessment

program
program

Graduate Assessment
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PLO 1: Understanding foundational concepts in cognitive and information sciences.
PLO 2: Skillful use of foundational methods in cognitive and information sciences.
PLO 3: Scientific communication skills.
PLO 4: Ability to integrate knowledge across the disciplines that compose cognitive and information sciences.
PLO 5: Expertise in a specific scientific domain.
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Cognitive and Information Sciences Graduate Program
Graduate Student Annual Progress Report Academic Year + Summer 2013-2014

Your UCM ID: rdale

Please fill out each section and click the “save” button by September 28th, 2014. This is our second annual progress report, and we have moved the process to an online submission system. Note: You no longer have to enter courses or teaching, as we can get this information elsewhere.

This report reflects your activities for the academic year Fall 2013 to Spring 2014, and also this past summer. Sections left blank mean that nothing has been done for that section (unless otherwise noted below).

These reports will be reviewed by the CIS faculty together as a group. By October 28th at the latest, the CIS faculty will reply with a memo to each student that summarizes the review. It will then be incumbent upon the student to meet with his/her advisory committee during the fall or spring semester to review the memo, and advise about future plans.

Note: At the bottom of this form is a SAVE button. You can save your progress on this form and come back to it.

2013-2014 committee

(Chair)
(committee member)
(committee member)
(committee member)
(committee member)

2013-2014 empirical data collection and analysis

Summarize your empirical work for Fall 2013, Spring 2014 and Summer 2014. Include information about study design, piloting, numbers of participants, data analyses, and results. Three to five sentences per period, on average.

Fall 2013
Annual Meeting of the Cognitive Science Society ("CogSci")

premiere interdisciplinary cognitive science conference

almost 1,000 presentations
1,500 attendees
hundreds of schools

Invited symposia
- Philosophy of Mind
- Technological Innovation
- Cognition in Society

Keynote speakers
- Martha Farah, University of Pennsylvania
- Christof Koch, Allen Institute for Brain Science
- Rosalind Picard, MIT Media Laboratory

Program Organizers
- Rick Dale, Carolyn Jennings, Paul Maglio, Teenie Matlock, David Noelle, Anne Warlaumont, Jeff Yoshihi
- Cognitive and Information Sciences – University of California, Merced
PLO 5: Expertise in a specific scientific domain.
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information sciences.
PLO 5: Expertise in a specific scientific domain.

CogSci Abstracts

similarity score
Approach: compare similarities of 4 advanced PhD students
Distribution of topical similarity at CogSci 2013

Similarity score between a pair of abstracts (cosine)

Density

0

10000

Approach: compare similarities of 4 advanced PhD students
Distribution of topical similarity at CogSci 2013

Similarity score between a pair of abstracts (cosine)

Density

Approach: compare similarities of 4 advanced PhD students

Similarity score between a pair of abstracts (cosine)
Distribution of topical similarity at CogSci 2013

Similarity score between a pair of abstracts (cosine)

Density

−0.5 0.0 0.5 1.0

Approach: compare similarities of 4 advanced PhD students

average of least similar abstracts

Similarity score between a pair of abstracts (cosine)
Approach: compare similarities of 4 advanced PhD students
Approach: compare similarities of 4 advanced PhD students

Density

Similarity score between a pair of abstracts (cosine)
CogSci 2013

Accepted Proceedings Paper 32% rejection rate

~350 institutions
CogSci 2013

Accepted Proceedings Paper 32% rejection rate

University of California, San Diego
Stanford University
Indiana University
Carnegie Mellon University
University of California, Merced
University of California, Berkeley
Max Planck Institute for Human Development
University of New South Wales
Tilburg University

~350 institutions
CogSci 2014

Accepted Proceedings Paper 28% rejection rate

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CogSci 2014

Accepted Proceedings Paper 28% rejection rate

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- MIT
- University of California, Merced
- Stanford University
- Tilburg University
- Carnegie Mellon University
- Northwestern University
- University of California, Berkeley
- Indiana University

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cognitive & information sciences  graduate student productivity and contributions in the 2012-2013 academic year

59 unique conference presentations
10 cities, 6 countries

8 unique workshop experiences

40 unique writing endeavors
5  chapters
12 accepted or in-press journal articles
13 submitted journal articles
13 proceedings
3  in-prep papers

language development: evolution, change, acquisition
nonlinear methods for psychological science
lsa summer institute universality and variability
joint action workshop
spatial cognition summer institute
dynamic field theory
structural equation modeling
exploratory data mining

extensive service  including
ad hoc journal manuscript reviewing
providing extensive undergrad research experiences
university representation and coordination
workshop presentations to summer research programs, e.g., McNair Scholars Program

Cogsci.ucmerced.edu  based on data from 19 students

Cogsci
UC Merced
Graduate Assessment program
Thanks

Thanks to UCM Assessment