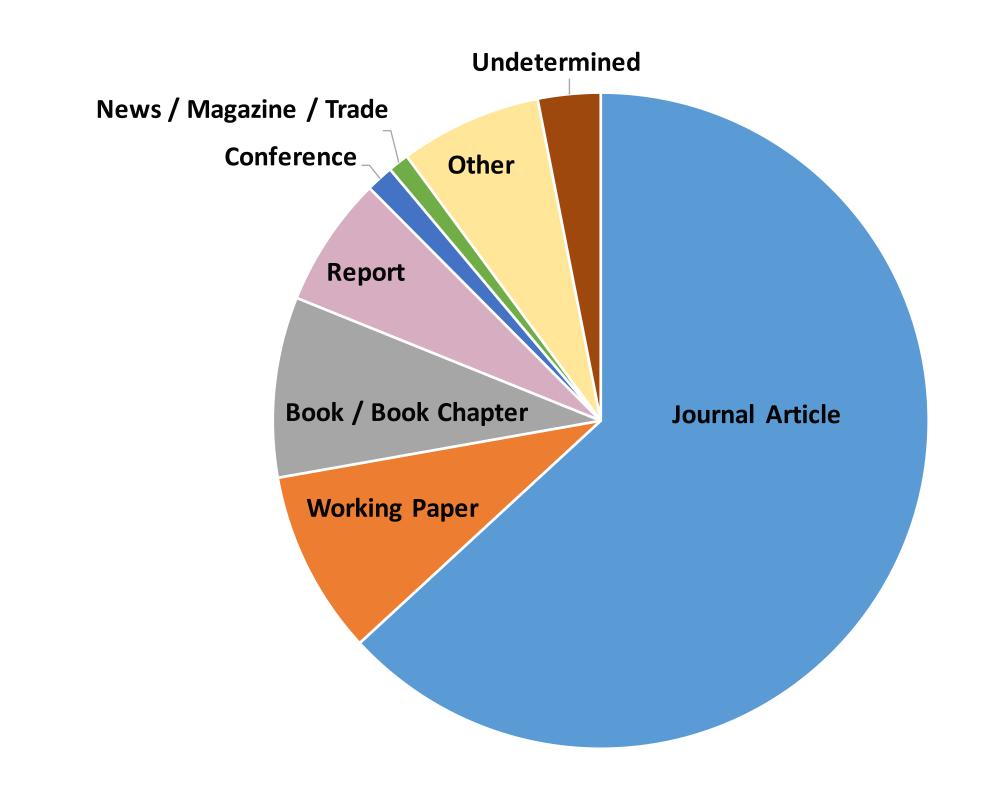
Using a Citation Study to Gain New Insights into Agricultural & Resource Economics

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Methods

- The study looked at PhD dissertations dated 2008-2015 from UC Berkeley's department of Agricultural and Resource Economics (ARE) using data from the ProQuest Digital Dissertations database.*
- Citation elements were parsed into fields by ProQuest's proprietary algorithms.
- File contained a total of 8474 (messy) citations from 96 dissertations.**
- Step 1: Data Cleaning
 - Standardized journal names
 - Checked and corrected reference types (for most citations)
 - Removed duplicate records (for most reference types)
- Step 2: Data analysis of resulting ~8300 citations
- *6% of dissertations conferred during this time period were not included in the database due to embargos.
- **Thanks to UCB librarian Susan Edwards for providing me the data.

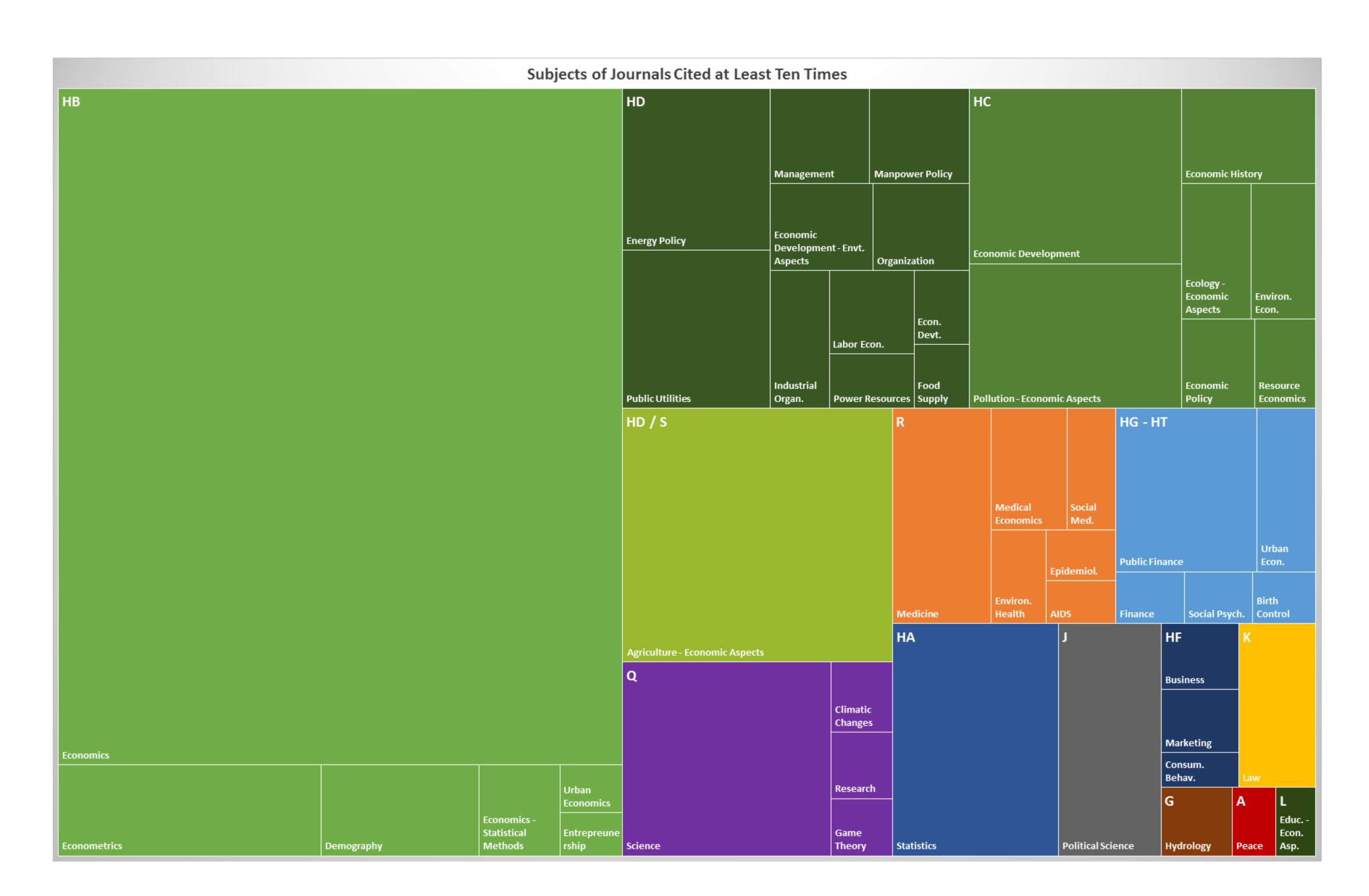
Types of References Cited in Dissertations



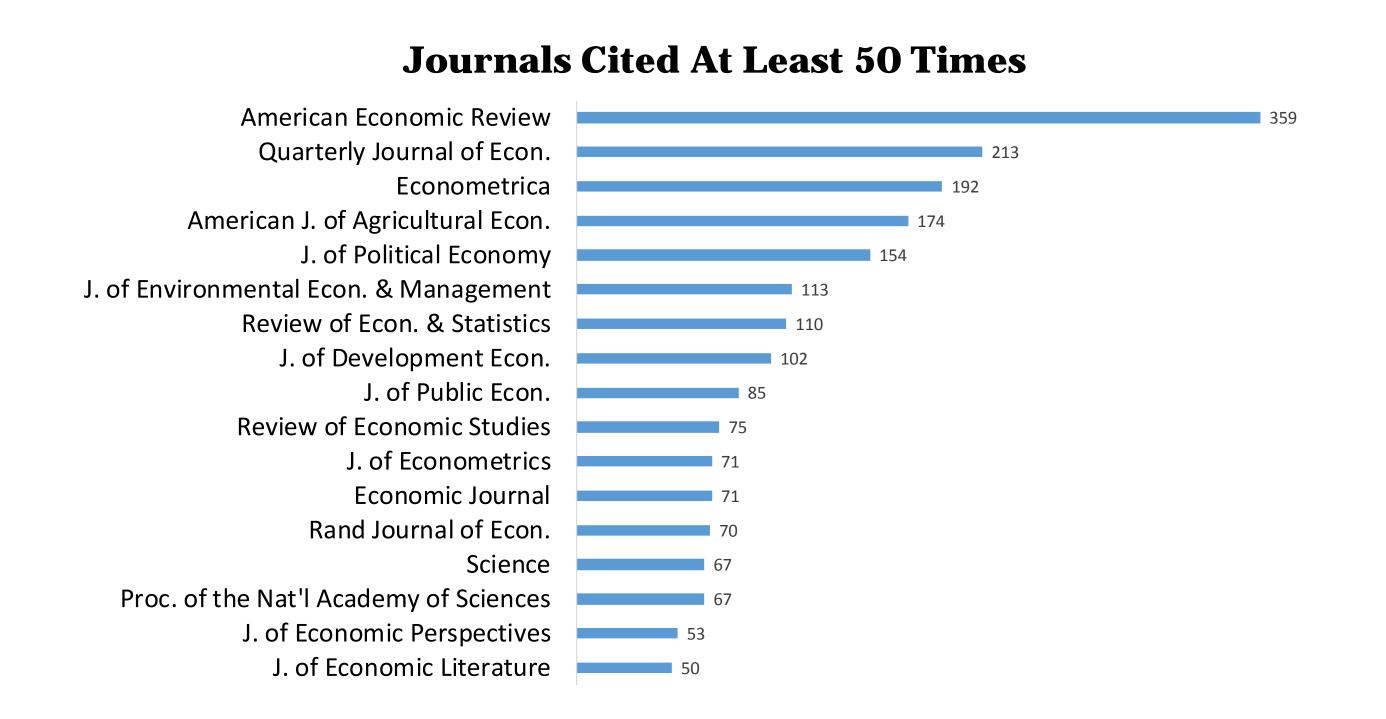
- The largest category of cited references was journal articles (63%), followed by identifiable working papers (9%), books or book chapters (9%), and identifiable reports (6%; government and non-government).
- The "other" category (7%) includes a myriad of reference types including websites, dissertations, data, pre-pubs, case law, legislation, public documents, personal communications, and other unpublished documents like mimeos.
- Citations that were incomplete, not in English, or otherwise not identifiable as a particular reference type were designated "undetermined."

Subjects

- Citations came from 960 different journals.
- 93 journals were cited at least 10 times, representing 67% of the journal citations (3554 citations).
- The Library of Congress was used as a source for LC classes and subject headings for each of the 93 "top" journals.
- As shown in the tree map, most citations from top journals were from Economics journals (green), particularly class HB but also HC and HD.
- Other H classes (blue) were also well represented; 85% of citations from the top 93 journals fell under Social Sciences, while only 11% fell under Science or Medicine.
- "Agriculture Economic Aspects"
 was a subject heading for 7 of the
 top 93 journals (classed HD or S),
 but no other top journals were
 classed under S.



Top Journals



Top Publishers

Journals (those cited ≥ 10 times) publisher - # of journals	Books & Book Chapters publisher - # of book / chapter cites
Wiley - 16	Cambridge Univ. Press - 77
Elsevier - 15	Elsevier - 53
Oxford - 13	MIT Press - 38
Springer - 6	Oxford Univ. Press - 29
Univ. of Chicago Press - 5	Princeton Univ. Press - 28
Academic Press - 4	Springer - 26
American Economic Association - 4	Univ. of Chicago Press - 24
Cambridge - 4	Harvard Univ. Press - 22
Pergamon Press - 4	North Holland - 21

Conclusions

- Working with the citation data showed me the diversity of research topics and interests in the ARE department at UC Berkeley.
- ARE graduate students are primarily citing other economists, and ARE at UCB does not have a strong agricultural focus.
- ARE grad students are referencing a wide variety of sources, though journal articles are still dominant.
 This is consistent with other citation studies in the area of agricultural economics.*
- * For example, Zhang, L. (2007). Discovering Information Use in Agricultural Economics: A Citation Study. *Journal of Academic Librarianship*, 33(3), 403–413.



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