

# Integrating the Web of Science and ProQuest Dissertations & Theses Global

Chris Burghardt, Senior Vice  
President of ProQuest Information  
Solutions for Clarivate

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Partnerships

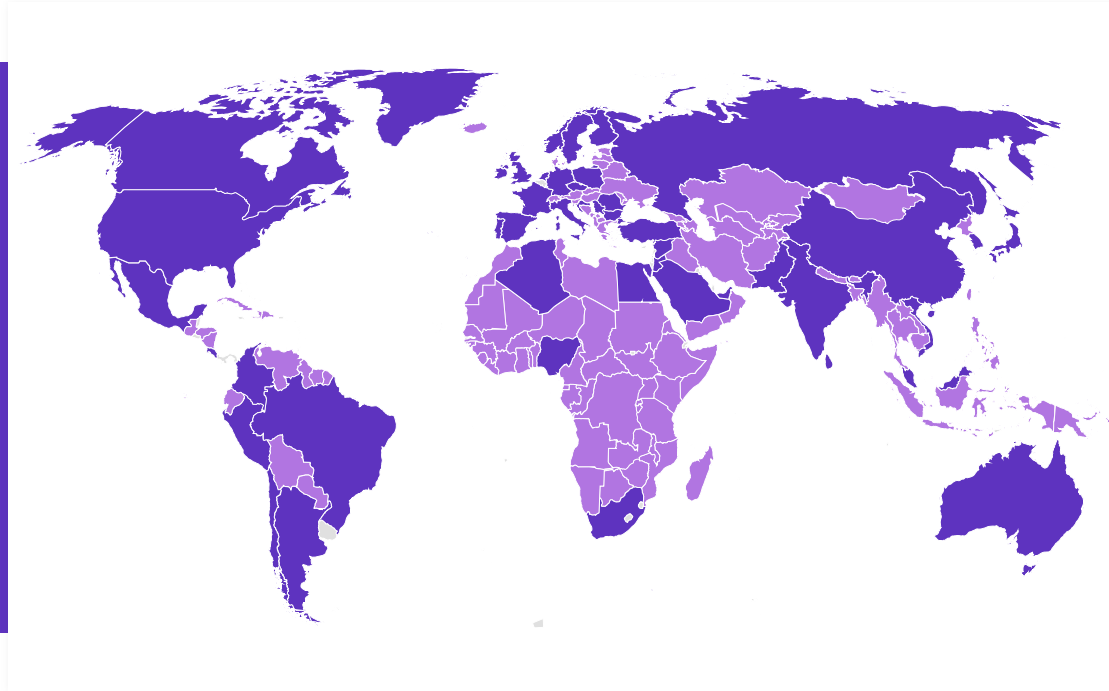
Gilia Smith, Ph.D., Director,  
Partnerships





# ProQuest Dissertations & Theses Global - Connecting the World through Scholarship

# ProQuest Dissertations & Theses Global - Connecting Global Scholarship



**5.7+ million  
records and**

**3.2+ million  
full text**

## Collection + Research Tools

- **Graduate students**
  - Find a unique research topic for research
  - Build discipline expertise
  - Track research trends
- **Faculty/Researchers**
  - Source for text and data mining research
  - Stay current on a topic
  - Identify emerging research

**65+**

Countries represented  
in content

**4.1K**

Universities' content  
represented

**4M**

Subscribing users

**60+**

**languages**  
represented in dissertation  
and theses records

# ProQuest Dissertations & Theses Global

The premium collection of global, multi-disciplinary graduate research



**5.7M+**

curated metadata records



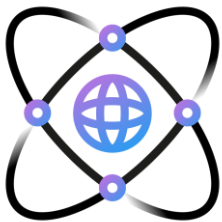
**3.2M+**

full-text documents



**4,100+**

institutions



**65+**

countries



**60+**

languages



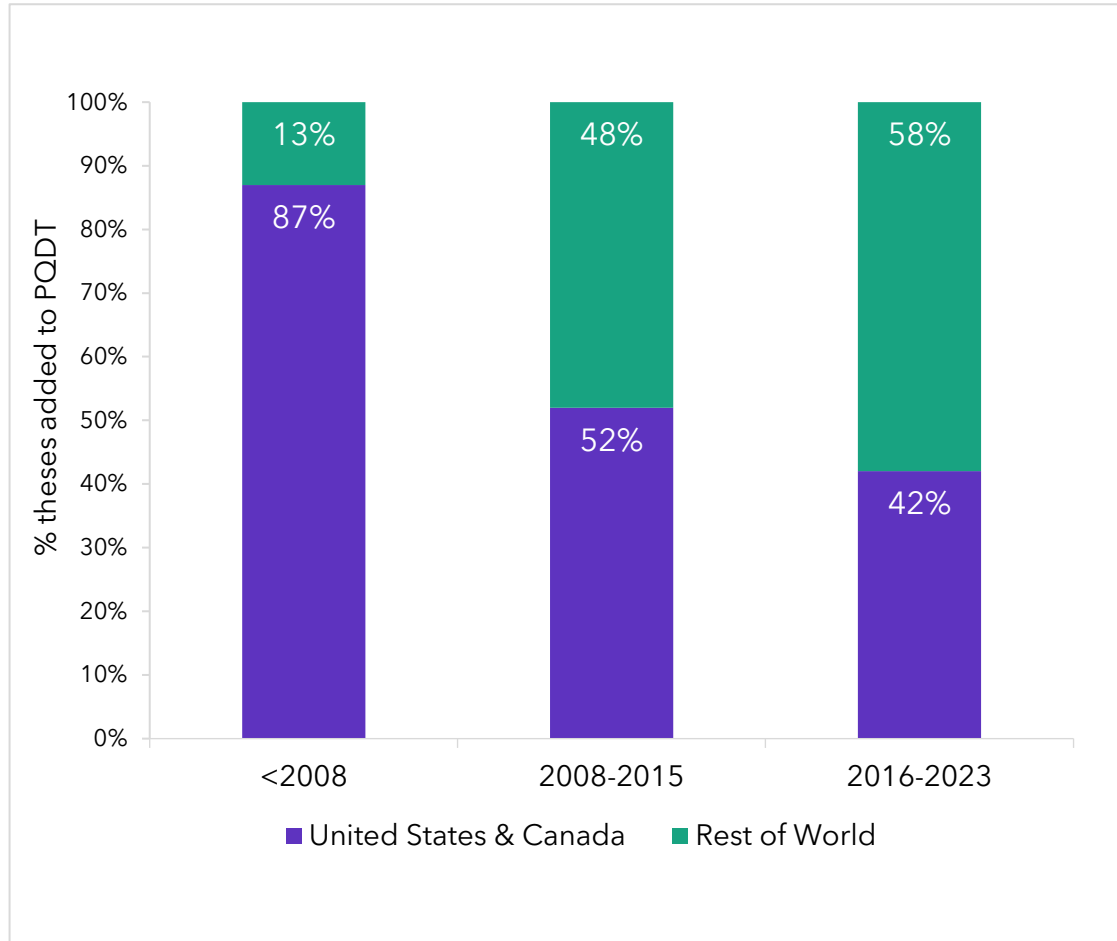
**2.6M+**

non-US theses

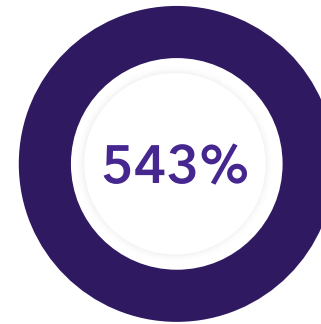
**Only comprehensive, quality source of metadata, citations, and full-text for graduate theses.**

- Reviews records for accuracy and completeness
- Enhances records via additional subject indexing, keywords,
- Extracts additional metadata fields
- Extracts cited references and manually reviews to 98% accuracy
- Translates abstract and title to English for enhanced discoverability
- WoS indexing adds Research Areas, Citation Indexing and analytics

# ProQuest Dissertations & Theses Global is more "global" than ever

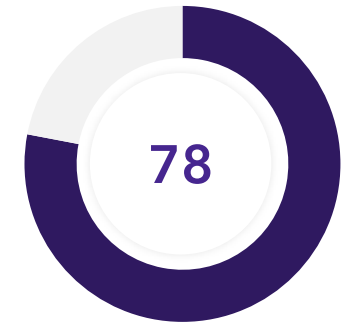


Since 2012



Growth in full-text titles from outside the U.S.

In the past 3 years



New international institutions became content partners



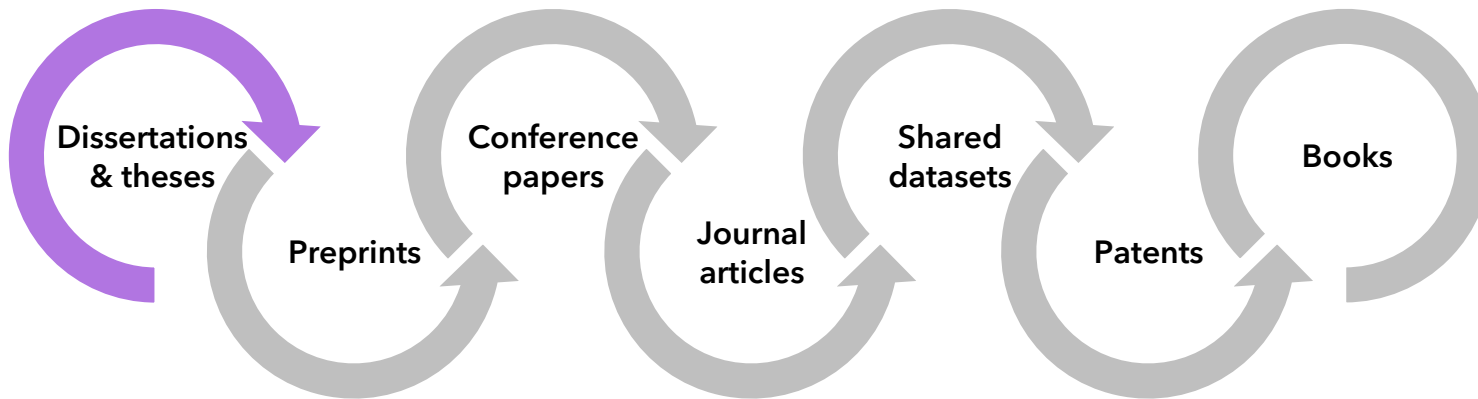
400+

Years of coverage



# ProQuest Dissertations & Theses Citation Index in the Web of Science

# Introducing ProQuest Dissertations & Theses Citation Index on the Web of Science



ProQuest Dissertations &  
Theses Global



Web of Science



**Maximize the results of limited research time**

Research with a single platform that streamlines discovery of millions of post-graduate works alongside journal articles, conference papers, preprints, patents, and books.

# “File Drawer Effect”

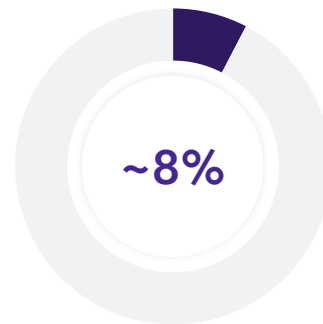
A fraction of post-graduate scholarship is represented in peer-reviewed journals



Not all graduate dissertations are submitted for publication

Majority of articles are rejected outright, prior to entering the peer review cycle

Acceptance rates vary, but top-tier publishers accept <20% of articles that are submitted.



[https://www.science.org/content/page/journal-metrics.](https://www.science.org/content/page/journal-metrics)

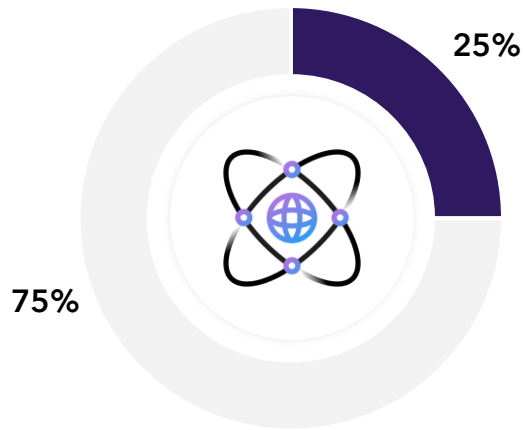
[https://journalinsights.elsevier.com/journals/0142-9612/acceptance\\_rate.](https://journalinsights.elsevier.com/journals/0142-9612/acceptance_rate)

<https://www.nature.com/nature/for-authors/editorial-criteria-and-processes>



# Broaden the view of a research field

ProQuest Dissertations & Theses Citation Index on the Web of Science



## Tap into a trove of graduate research aggregated in PQDT

One study of psychology dissertations found that only 25%\* turn into published journal articles. This integration opens discovery of unpublished work not currently available on the Web of Science platform

## Uncover hidden opportunities to advance research

- Identify **emerging areas of research** and the graduate programs that are engaged in this research.
- Execute **more comprehensive literature reviews** by including unpublished scholarship and more diverse perspectives.
- Understand the evolution of a topic by capturing **diverse, multidisciplinary research outputs in a single set of results**.  
Follow citation links to spark new ways of thinking about an idea.
- **Locate research methodologies** that are not published in the peer-reviewed literature.
- Quickly explore the **research foundation** of dissertations and theses on **novel and niche topics** and locate research that shares part of that foundation.

\*Field of psychology. Evans et al. (2018) PLoS ONE 13(2): e0192219. <https://doi.org/10.1371/journal.pone.0192219>. Range 18%-49% across disciplines.

# Streamline discovery of early career scholarship

English ▾

Search

DOCUMENTS RESEARCHERS

Search in: ProQuest™ Dissertations & Theses Citation Index **New** ^

Data Citation Index  
Derwent Innovations Index  
FSTA® - the food science resource  
Inspec®  
KCI-Korean Journal Database  
MEDLINE®  
Preprint Citation Index **New**  
**ProQuest™ Dissertations & Theses Citation Index** **New**  
SciELO Citation Index  
Zoological Record

**ProQuest™ Dissertations & Theses Citation Index**  
(1637-present)

The world's most comprehensive curated collection of multi-disciplinary dissertations and theses from around the world, offering over 5 million citations and 3 million full-text works from thousands of universities.

- Within dissertations and theses is a wealth of scholarship, yet it is often overlooked because most go unpublished. Uncover new ideas and innovations with more confidence and efficiency.
- Delivers a focused path for researchers by tapping into a global network of connected research.

Data updated 2023-03-10

Search



- Discovery of 5.7M+ metadata records from ProQuest Dissertations & Theses Global in a standalone database
- >172M indexed and linked cited references connect dissertations and theses to the Web of Science network
- Graduate works from 4K+ universities in 60+ countries around the world
- For PQDT Global subscribers, links to 3M+ full text documents that include:
  - Innovative methodologies and experimental details outlined in the full document
  - Unpublished datasets and results found only in the dissertation document

# Embed discovery of dissertations and theses into existing researcher workflows

Discover a breadth of multidisciplinary graduate research in the Web of Science

The screenshot displays the Clarivate Web of Science interface. At the top, the navigation bar includes the Clarivate logo, 'Web of Science™', a search field, and links for 'Help', 'English', 'Products', 'Sign In', and 'Register'. The main content area shows search results for 'climate change (Topic)'. A sidebar on the left contains a 'MENU' and various filters like 'Publication Years', 'Degree Type', and 'Institution'. The results list includes two entries, each with a 'View Full Text Preview on ProQuest' link. Annotations 1-4 highlight specific features: 1. 'Refine results' button; 2. 'Sort by: Citations: highest first' dropdown; 3. 'Create Alert' button; 4. 'View Full Text Preview on ProQuest' link.

1 Refine results to drill down to the most relevant research for research question.

2 Quickly explore the research foundation of dissertations and theses and locate highly cited post-graduate works.

3 Create alerts to keep abreast of new graduate research entering a field or research area of interest.

4 Link to options for accessing full text on the ProQuest Platform.

# Follow connections between published and unpublished scholarship to deepen the scope of research

## Investigation of Poly-(N-isopropylacrylamide) (PNIPAM) for water collection applications

**By** AlShehhi, Mashael Abdulla (AlShehhi, Mashael Abdulla)  
**Source** The Petroleum Institute (United Arab Emirates)  
**Published** 2015  
**Indexed** 2023-05-23  
**Document Type** Dissertation/Thesis  
**Abstract** The climate of the UAE is arid with rapid economic development and fast-growing population, which may lead to future water demand that exceeds the limited fresh water supplies. One of the methods of supplying water to satisfy the future demands in the

**3**

### 19 Cited References

→ View as set of results

<input type="checkbox"/>	<b>1</b> <b>Thermoresponsive Polymers for Biomedical Applications</b> (From: Web of Science Core Collection) <a href="#">Ward, MA</a> and <a href="#">Georgiou, TK</a> Sep 2011   <a href="#">POLYMERS</a> 3 (3), pp.1215-1242  Thermoresponsive polymers are a class of "smart" materials that have the ability to respond to a change in temperature; a property that makes them useful materials in a wide range of applications and consequently attracts much scientific interest. This review focuses mainly on the studies published over the last 10 years on the synthesis and use of thermoresponsive polymers for biomedical appli ... <a href="#">Show more</a>  <a href="#">Free Full Text from Publisher</a> <a href="#">View Full Text on ProQuest</a> ... <a href="#">Related records</a> (?)	911 Citations  162 References
<input type="checkbox"/>	<b>2</b> <b>Surfaces with reversible hydrophilic/hydrophobic characteristics on cross-linked poly(N-isopropylacrylamide) hydrogels</b> (From: Web of Science Core Collection) <a href="#">Liang, L;</a> <a href="#">Rieke, PC</a> ; (-); <a href="#">Alford, KL</a> Oct 17 2000   <a href="#">LANGMUIR</a> 16 (21), pp.8016-8023  Temperature-sensitive surfaces were prepared by grafting paly(N-isopropylacrylamide) (PNIPAAm) hydrogel on the surface of silicone wafers. The silicone wafer substrates were modified by organosilane (vinyltriethoxysilane). They were further reacted with N-isopropylacrylamide (NIPAAm), using N,N'-methylenebisacrylamide as the cross-linking agent, to generate the cross-linked PNIPAAm layer on th ... <a href="#">Show more</a>  <a href="#">Full Text at Publisher</a> ... <a href="#">Related records</a>	108 Citations  31 References

**6** Citations

**1** In All Databases  
**2** [Create citation alert](#)

**6** Times Cited in All Databases  
**6** In Web of Science Core Collection  
0 In Arabic Citation Index  
**1** In BIOSIS Citation Index  
0 In Chinese Science Citation Database™  
0 In Data Citation Index  
0 In Russian Science Citation Index ⓘ  
0 In SciELO Citation Index  
0 In Derwent Innovations Index  
0 In ProQuest™ Dissertations & Theses Citation Index  
– [See less times cited](#)

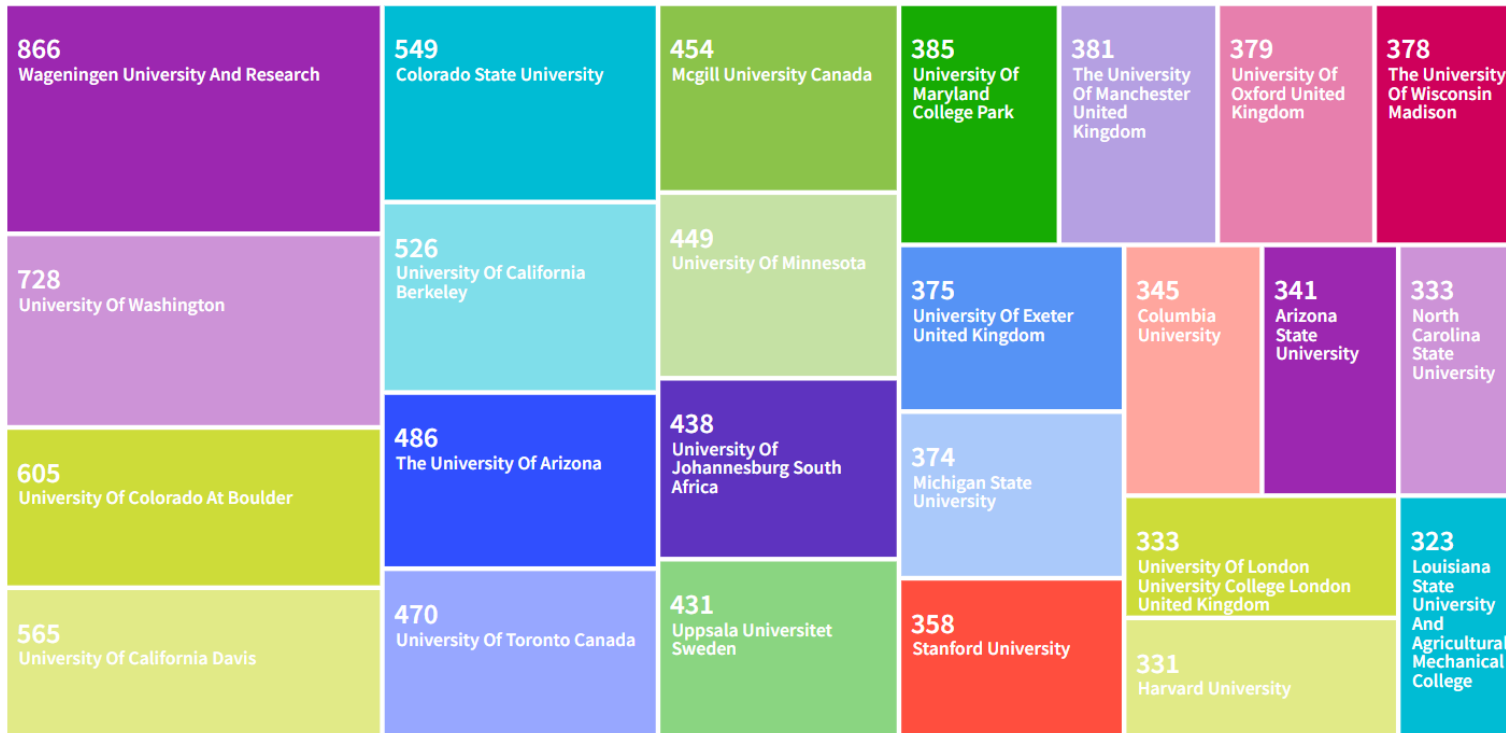
**19** Cited References **4**  
[View Related Records](#) →

**5** Most Recently Cited by  
Mittal, H; Al Alili, A; Susantyoko, RA; et al.  
[Zeolites and superporous hydrogels-based hybrid composites as solid desiccants to capture water vapors from humid air](#)  
MICROPOROUS AND MESOPOROUS MATERIALS  
  
Mittal, H; Al Alili, A; Alhassan, SM;  
[Capturing water vapors from atmospheric air using superporous gels](#)  
SCIENTIFIC REPORTS

- 1 Citation of the dissertation across Web of Science databases
- 2 Create a Citation Alert to be notified when the dissertation is newly cited in Web of Science databases.
- 3 List of cited references extracted from the record and integrated into the Web of Science citation network
- 4 View related records that share references with the document
- 5 Most Recently Cited by shows articles that recently referenced the title

# Analyze the global dissertations and theses landscape

## "Analyze Results" for PQDT Citation Index search results on "Climate Change"



## Analyze Results to view trends in graduate research in a topic area of interest

- Identify **regions and institutions** with graduate research programs that are contributing to the advancement of an area of research.
- Review the multidisciplinary contributions to important research questions using Web of Science **Research Areas**.

Example of "Analyze Results" for ProQuest Dissertations & Theses Citation Index search for "Climate Change" yielded 50K total records from 1,135 institutions in 56 countries. Results are refined by "Institution" with a visual representation of the top 50 institutions, and the number of theses from these institutions, on this topic.

# Graduate Students are able to Showcase their achievements

Clarivate Web of Science English Products April Ellsey

Advanced Search Results for TS=(Lagenorhynchus) Results for TS=(Lagenorhynchus)

Discover funding opportunities in Pivot-RP

**April (Harlin Cognato) Ellsey** (Harlin-Cognato, April D.)  
Texas A&M University College Station  
Web of Science ResearcherID: ABB-7480-2021

Published names: Harlin-Cognato, April D., Harlin, AD, Harlin-Cognato, April, Harlin-Cognato, A  
Published Organizations: Michigan State University, Texas A&M University System  
Subject Categories: Evolutionary Biology; Environmental Sciences & Ecology; Marine & Freshwater Biology; Zoology; Genetics & Heredity

Documents Peer Review

16 Documents

Include publications not indexed in Core Collection (4) All Publications Citations: highest first 1 of 1

Dusky dolphin foraging habitat: overlap with aquaculture in New Zealand  
Markowitz, TM; Harlin, AD; [...]; McFadden, CJ  
Published Mar 2004 | Aquatic Conservation: Marine and Freshwater Ecosystems  
59 Times Cited

Skin swabbing for genetic analysis: Application to dusky dolphins (*Lagenorhynchus obscurus*)  
Harlin, AD; Wurtzig, B; [...]; Markowitz, TM  
Published Apr 1999 | Marine Mammal Science  
47 Times Cited

Molecular systematics and phylogeography of *Lagenorhynchus obscurus* derived from nuclear and mitochondrial loci  
Harlin, April Dawn  
Published Jan 2004 | Texas A&M University  
**Dissertation or Thesis**

Applying for a job or funding? Export your profile as a CV in one click.

Metrics Open dashboard

Profile summary

16 Total documents  
12 Web of Science Core Collection publications  
0 Preprints  
0 Verified peer reviews  
0 Verified editor records

Web of Science Core Collection metrics

10 H-index  
12 Publications in Web of Science  
321 Sum of Times Cited  
253 Citing Articles  
0 Sum of Times Cited by Patents  
0 Citing Patents

View citation report

Author Impact Beamplot Summary

Citation Percentile

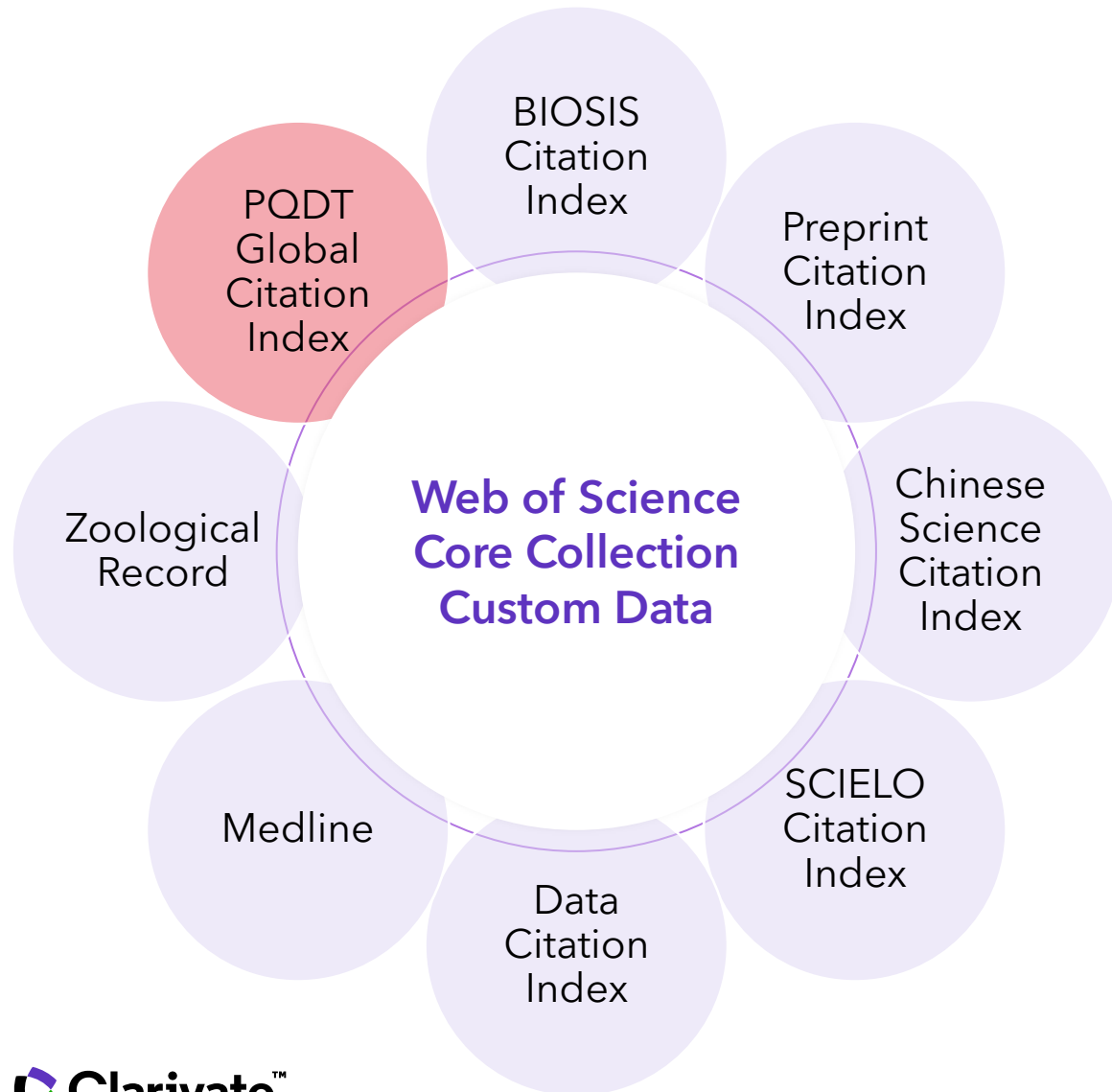
Author's publication percentile range  
Overall citation percentile median

Percentile range displays for authors from 1980 to 2021. View all publications in full beamplot.  
Open metrics dashboard to view the beamplot.



- Claim your dissertation or thesis in your **Web of Science Researcher Profile** to make your early-career work more visible to researchers and leaders at 9,000 organizations around the world using Web of Science.
- Easily monitor the **citation impact** over time with citation alerts

# PQDT Citation Index - Newest Addition to the Web of Science Custom Data Portfolio



## Other datasets IP & Healthcare

Pivot RP Funding Data

Derwent Patent Data

## WoS Core Collection

- Science Citation Index Expanded
- Social Sciences Citation Index
- Arts & Humanities Citation Index
- Emerging Sources Citation Index
- Conference Proceedings Citation Index
- Book Citation Index

## Researchers, government agencies, and industry analysts incorporate ProQuest Dissertations & Theses data to gain insights



**“ProQuest [PQDT] is really a cornerstone for the work we are doing...**

**We can take [a dissertation] and map it to publications, citations, and patents they’ve received. We’ve managed to build a whole constellation of data around ProQuest [PQDT] as the keystone..”**

*Bruce A. Weinberg, Professor of Economics and Public Affairs The Ohio State University*



# ProQuest Dissertation Custom data Unparalleled Breadth and Depth of Coverage

<b>Dissertation Data Statistics</b>	
<b>Global Database</b>	
Total Records	5,728,599
Full Text	3,309,071
Records with Abstracts	4,125,781
Records with Cited References	1,366,062
Total Cited References	1,64,294,887
Doctoral titles	4,709,281
Master's titles	1,019,318
<b>US Titles</b>	
Total	3,178,645
Doctoral	2,607,663
<b>International Titles</b>	
Total	2,549,954
Doctoral	2,101,618

<b>Primary Subject Area</b>	<b>Total Titles</b>
Engineering	887,297
Mathematical and Physical Sciences	782,384
Education	716,868
Biological Sciences	687,991
Social Sciences	655,251
Health and Medical Sciences	570,317
Behavioral Sciences	422,490
Language and Literature	295,081
Area, Ethnic, and Gender Studies	293,522
Business	258,396
Agriculture	207,309
Philosophy and Religion	203,492
Interdisciplinary	176,090
History	174,244
Fine and Performing Arts	164,560
Geosciences	161,041
Communications and Information Sciences	129,157
Environmental Sciences	117,351
Law and Legal Studies	73,126
Ecosystem Sciences	65,274
Architecture	31,617



# Measuring Usage of Dissertations and Theses Across the Globe: An Inferential Analysis of ProQuest Data

# What is the Study about?

... and who did it

## Independent Expert: Alfred DeMaris

*Professor Emeritus Bowling Green University*

A cross-sectional, multi-level regression analysis of dissertation and thesis usage in PQDT Global in 2021



Highly published behavioral (social) scientist.



Author of *Regression with Social Data: Modeling Continuous and Limited Response Variables*. Wiley-Interscience: 2004.

# Why Do It?



Use rigorous social science methods and our global data cache to investigate how academic researchers use ETDs on the PQDT Global platform

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Assemble a baseline understanding of usage BEFORE the collection was indexed in Web of Science

## Two levels of Analysis

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- **Level 1:** How background characteristics of *the ETD itself* impact usage
- **Level 2:** How background characteristics of *the institution where the ETD was produced* impact usage

# Sample Size

||

3,548,714 observations

Large sample allows for stringent significance levels and high confidence in the trends we have identified

$p < .01$  = alpha level for significance

95% confidence levels



## Outcome Variables

1

**Total Usage:** Indicates researcher viewed metadata, citation, abstract, print preview or full-text document—or perhaps one or more of the above.

2

**Abstract/Citation Usage:** Indicates the end-user accessed the abstract and/or citation

3

**Full-text Usage:** Indicates the user viewed or downloaded the full-text document



# Major Findings

# What did we find?

## Degree Type

Masters Theses -17% less likely to be used than dissertations

## Full-text/PDF

+15% more likely

## Field

- Social Sci +14%
- Arts & Humanities +13%
- Interdisciplinary +10%
- Professional Fields +8%
- Earth Sci +1%
- Math & Physical Sci -5%

## Holding all other variables constant...

### Solution for Fixed Effects Main Effects L1 (ETD Level) on Total Usage

Effect	Estimate	t Value	Pr >  t
Masters Thesis	- 0.1874	- 80.86	< 0.0001
Full Text	0.1401	44.16	< 0.0001
Social Sciences	0.1311	32.86	< 0.0001
Arts & Humanities	0.1184	27.82	< 0.0001
Interdisciplinary	0.0947	14.16	< 0.0001
Professional Fields	0.0745	19.32	< 0.0001
Bio & Earth Sciences	0.0134	3.35	0.0008
Math & Physics	- 0.0528	-12.25	< 0.0001

# What did we learn?

## Degree Age

- In general, newer ETDs get more usage

## Language of ETD

- Use of English and Spanish ETDs usage isn't significantly different
- Chinese +11%
- French -3%
- Swedish -7%
- Other -9%

## Holding all other variables constant...

### Solution for Fixed Effects Main Effects L1 (ETD Level) on Total Usage

Effect	Estimate	t Value	Pr >  t
Degree Age	- 0.0075	- 26.04	< 0.0001
Chinese	0.1046	4.19	< 0.0001
French	- 0.0264	- 2.55	0.0107
Other Language (x51)	- 0.0919	- 5.49	0.0001
Swedish	- 0.0698	- 2.42	0.0157



# Active ProQuest Contributors get a HUGE BUMP in usage!

+23% average

## Region

- North American (Canada and US) ETDS get significantly more usage than ETDS in other regions of the world
- ETDS from the UK get 16% less use than the ETDs from NA
- ETDs from APAC get 5% less use than those from NA

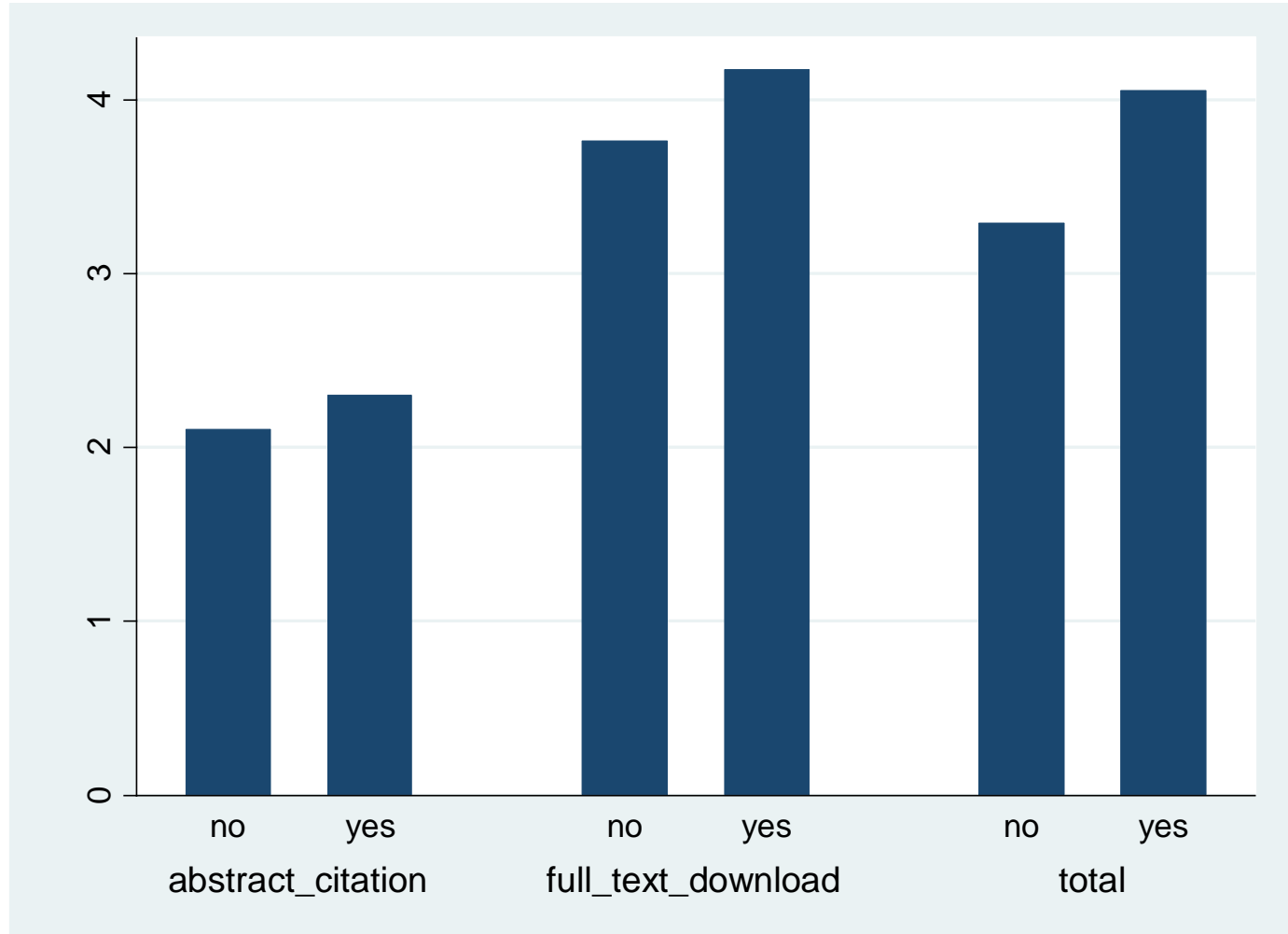
## Holding all other variables constant...

### Solution for Fixed Effects Main Effects L2 (Institutional Level) on Total Usage

Effect	Estimate	t Value	Pr >  t
Active ProQuest Contributor	0.2091	14.99	< 0.0001
Africa	- 0.1167	- 1.55	0.1212
APAC	- 0.0536	- 2.10	0.0359
Australia & NZ	- 0.0042	- 0.08	0.9341
Caribbean & West Indies	- 0.2256	- 0.97	0.3335
Europe	- 0.0080	- 0.48	0.6365
Latin America (includes Mexico)	0.1071	1.06	0.2915
Middle East	0.0085	0.15	0.8839
United Kingdom	- 0.1700	- 11.15	< 0.0001

# PQ Dissemination Program Increases All Types of Usage

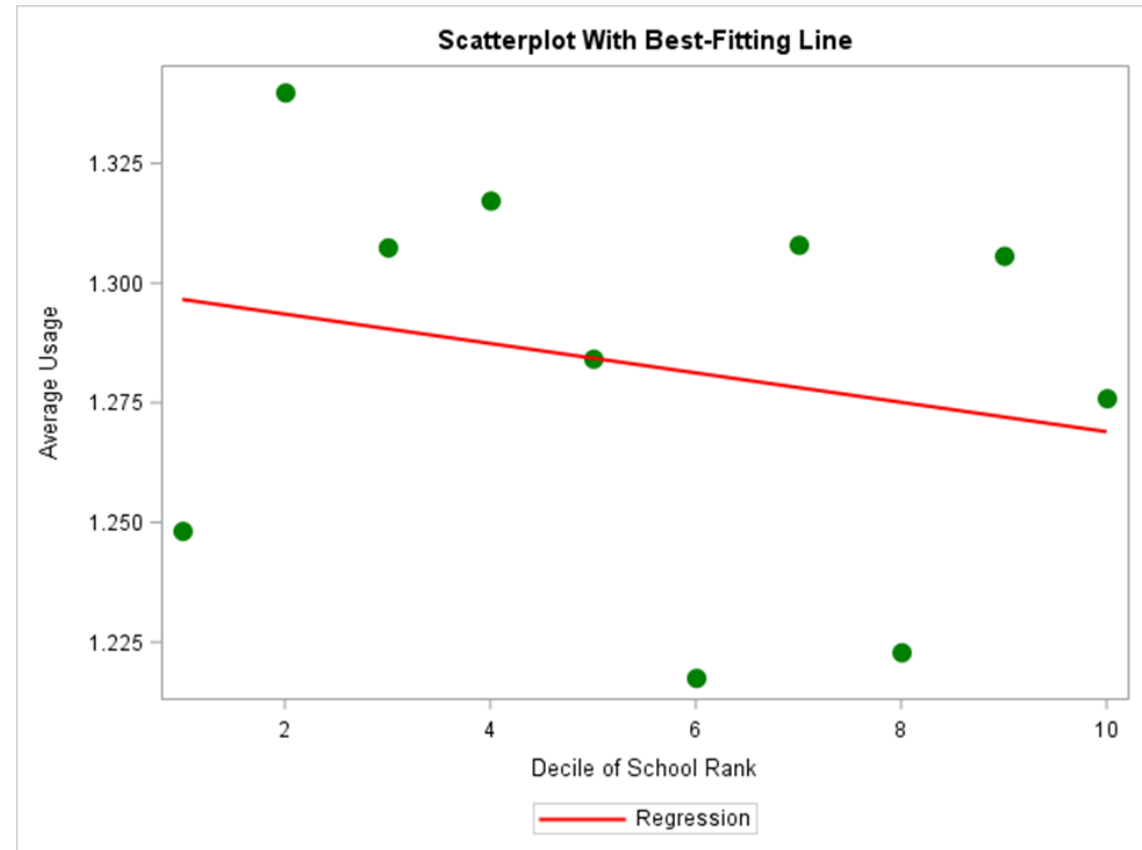
- Effects of active contributor status differ by type of usage measured
- In all cases, an institution's decision to actively partner with ProQuest boosts its usage
- This baseline model—gives us the future opportunity to measure the increase in discoverability/visibility that indexing in WOS provides our customers



# Effect of Shanghai Rank

Contributors to the ProQuest database skew toward higher-prestige institutions.

The emerging scholarly works of higher-prestige institutions also tend to be used more than those from their lower-ranked counterparts.

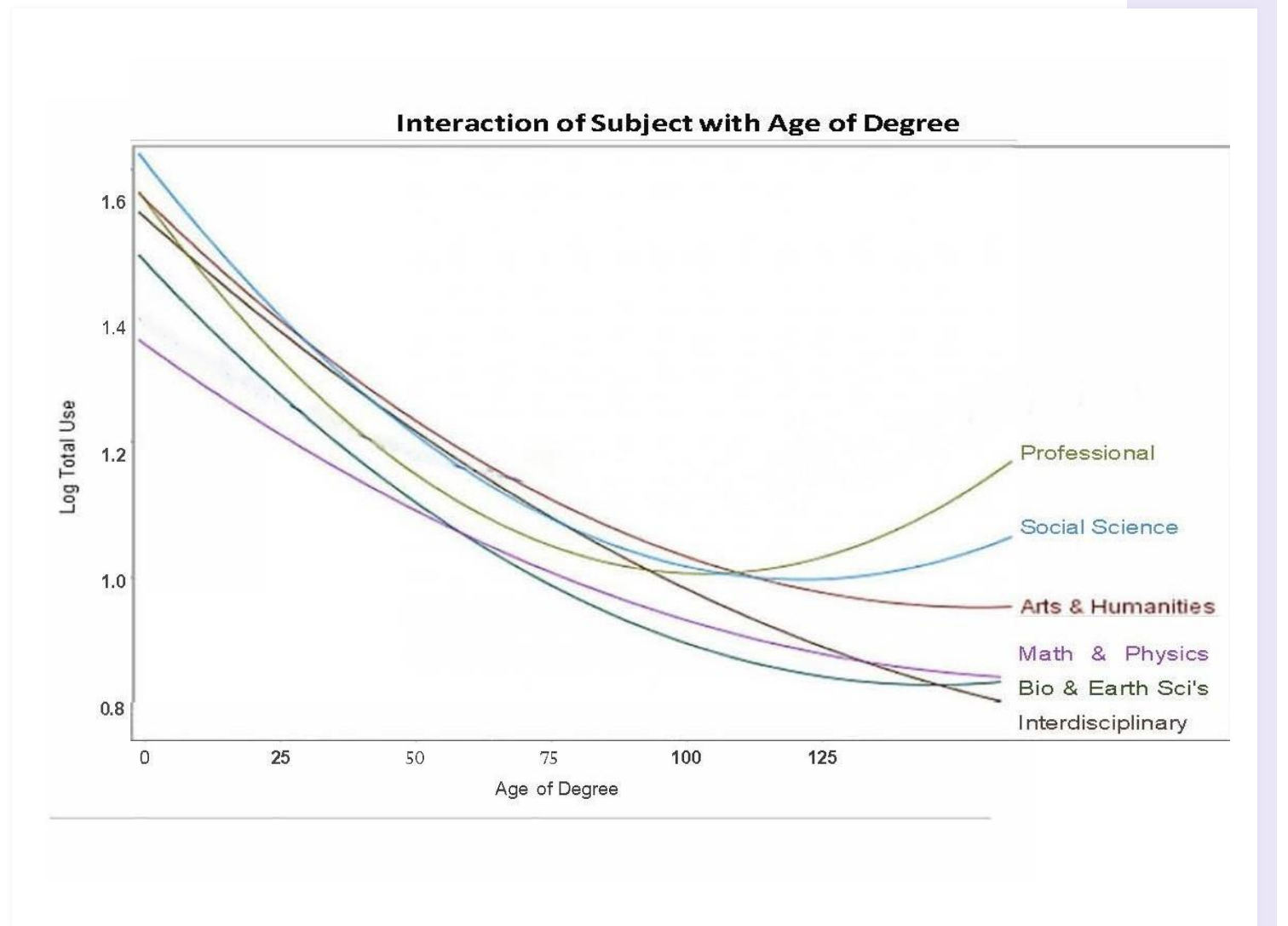


Scatterplot of the relationship between Average Usage and Decile of School Rank. The best-fitting straight line through the points is depicted.

# Interaction between Degree Age\*Subject

ETDs, regardless of subject, receive less usage as they increase in age—up to about 85 years from the year in which they are produced.

What happens after that depends on the subject of the ETD itself...

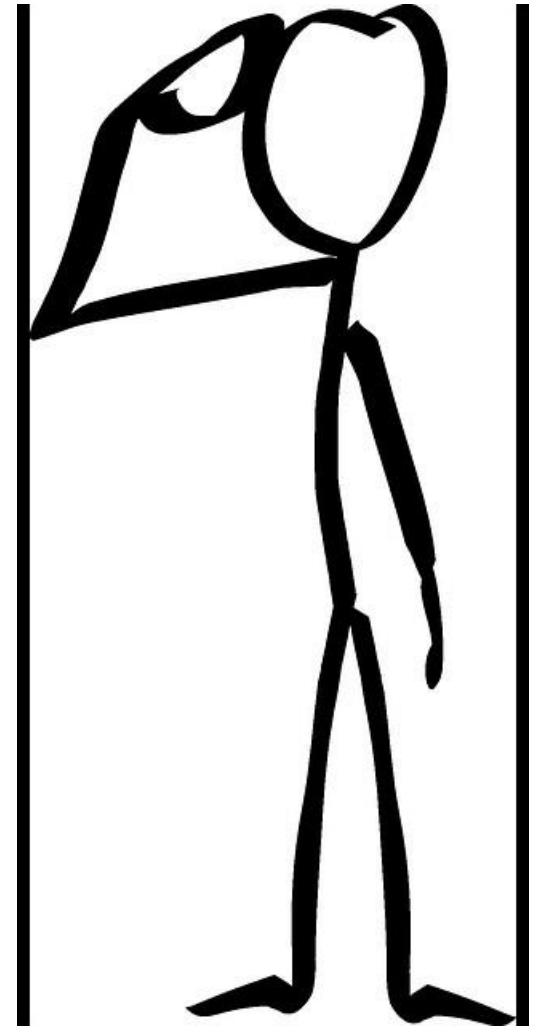


## What did we learn?

- Significant interaction between Quantity and Rank; the more highly ranked the institution, the more ETDs it produces.
- BUT higher quantities of records at a single institution depress usage.
- Professor DeMaris attributes this to the fact that prestigious schools produce many ETDs in a particular subject. Hence, more ETDs to choose from when looking for material on a specific topic—and less usage of individual ETDs.

### A COUNTER-INTUITIVE FINDING

**Quantity Depresses Usage:**  
Each individual ETD receives less usage  
( -1.3% drop in usage per 1000 records)





# Q & A

(For more information about any of the topics presented here, please contact Dr. Smith at [gilia.smith@clarivate.com](mailto:gilia.smith@clarivate.com))

