
Lisa Davis, Coordinator, Moderator & Speaker
Shannon Hein, Speaker
Shane Marmion, Speaker
Robert Morse, Speaker
Bonnie Shucha, Speaker
Introduction & Roadmap

• Presenters
• HeinOnline
• U.S. News & World Report
• Law Libraries
• Q & A
Presenters

Lisa Davis
Interim Director, Law Library
FIU College of Law

Shane Marmion
President
William S. Hein & Co., Inc.

Shannon Hein
Executive Vice President
William S. Hein & Co., Inc.

Robert Morse
Chief Data Strategist
U.S. News & World Report

Bonnie Shucha
Associate Dean for Library & Information Services
University of Wisconsin Law School
The Database: HeinOnline

Shannon Hein, Executive Vice President
Shane Marmion, President
William S. Hein & Company, Inc.

#AALL19
Overview

• Author Profiles, Scholar Check & Scholar Rank
• U.S. News & World Report Update
About Author Profiles

For any author represented in the Law Journal Library, Author Profile Pages automatically display a list of articles and ScholarCheck statistics. A profile page can be enhanced by including the following information:

- **Photo**
- **University/Affiliation**
- **Job Title**
- **ORCID ID**
- **Biography**
- **Link to affiliation webpage**
- **Social Media Links**
About Author Profiles

For any author represented in the Law Journal Library, Author Profile Pages automatically display a list of articles and ScholarCheck statistics. The existing profile can be enhanced to include a photo, biographical information, and links to the author’s website and social media accounts.

ScholarCheck metrics include:

- The number of times an article has been cited by other articles and cases
- The number of times an article has been accessed by other HeinOnline users within a rolling 12-month period.
- The number of times an article has been cited by articles written in the past 10 years
- The number of times an author’s articles have been cited by articles written within the previous year and year to date.
About Author Profiles

Additional metrics not factored into an author’s overall ScholarCheck ranking analysis include:

**Average Citations per Article**
This metric counts the cumulative number of times this author has been cited by other articles, then divides this number by this author’s total number of articles written to calculate the average number of citations per article.

**Average Citations per Document**
This metric counts the cumulative number of times this author has been cited by other articles, then divides this number by this author’s total number of documents written to calculate the average number of citations per document.

**Self-Citations**
This metric counts the cumulative number of an author’s self-citations.

**H-Index**
The h-index is an author-level metric that attempts to measure both the productivity and citation impact of an author’s publications. The index is based on the set of the author’s most cited papers and the number of citations that they have received in other publications.
HeinOnline users can set up email alerts regarding a designated author’s works. Simply click on the Set up email alerts icon found on the author’s profile page.

The four different alerts are for:

- When new articles for this author is added to HeinOnline
- When new articles in HeinOnline cite this author’s articles
- When articles are accessed on HeinOnline each month
- When similar articles are published on this author’s works

Choose the desired alerts, enter an email address, and click Set up email alerts. These alerts will be sent once a month.
Enhance Author Profile Pages

Users can edit or enhance a profile by clicking on **Edit Author Profile** within the author profile page. All edits are verified by HeinOnline Support before changes go live. There is also a web form located at: [https://home.heinonline.org/author-portal/](https://home.heinonline.org/author-portal/)
Access and Download Metrics

Users have the ability to download a CSV of ScholarCheck metrics for an entire institution. To utilize this feature, navigate to the Law Journal Library and Browse by Author Profiles.
Access and Download Metrics

When users click on the institution’s name, all articling authors who have enhanced their Author Profile will be provided, as well as a link to download a CSV of ScholarCheck metrics for all of the enhanced profiles from the institution. A CSV is automatically downloaded when the user clicks on the link. All of the authors’ information is pulled into the CSV, where a user can sort/filter the information by any individual metric or by overall ScholarCheck rank.
**ScholarRank**

**ScholarCheck Rank**, or **ScholarRank** is an overall ranking based primarily on the five HeinOnline ScholarCheck metrics. The five metrics are:

1. Cited by Cases
2. Cited by Articles
3. Accessed (Past 12 Months)
4. Cited by Articles (Past 10 Years)
5. Cited by Articles (Past 1-2 years)

h-index is also used as a modifier in overall scholar check rank to reduce ties.

ScholarCheck Score = \( \frac{\text{total of all 5 scholarcheck metrics rankings}}{5} - \frac{\text{h-index}}{1000} \)

(The totals for each of the five metrics are ranked using dense ranking.)

Next, the scores are sorted from lowest to highest and ranked using standard competition ranking. The lowest score will have a ScholarRank of 1. The ranking encompasses ALL authors indexed in HeinOnline.
U.S. News & World Report Update
Project Overview

In February of 2019, *U.S. News and World Report* announced an expansion to its “Best Law Schools” data—a new ranking which will evaluate each law school’s scholarly impact. *U.S. News* further stated that it would be collaborating with the Hein Company as its source for this analysis.

The purpose of the *U.S. News* project is to analyze the scholarly impact of each U.S. law school based on the impact and productivity of its faculty members. *U.S. News* announced that it would be using several accepted indicators to measure scholarly impact, including citations, publications, and other bibliometric measures.

Project Update: July 2019

So far, *U.S. News* has sent out a survey to each law school requesting the names and other details of its full-time tenured and tenure-track faculty for fall of 2018. The results of these surveys have been passed to HeinOnline.
Why Hein?

Prior to the announcement, the Hein Company was approached by a group of law school deans and professors who requested that we consider collaborating with *U.S. News* on this upcoming project. HeinOnline was chosen by the group and *U.S. News* based on the following qualifications:

- HeinOnline’s Law Journal Library contains comprehensive coverage of more than 2,700 legal periodicals, more than its current competitors.
- HeinOnline has already created its own tools for citation analysis within ScholarCheck.
- HeinOnline has already begun performing citation analyses of faculty publications using these tools.
- Hein’s citations offer many advantages over those of its competitors, including indexing multiple authors per article, many more foreign law journals, correcting for name misspellings, and several others.
- The Hein Company is the world’s largest distributor of legal periodicals.
It contains more than 2,700 journals, 64,000 volumes, and more than 2 million documents within 36 million pages.

HeinOnline contains 98% of the Top 500 Journals and 85% of the Top 1,000 Journals according to the Washington and Lee Law Journal Rankings Project.

Out of the 2,700 journals, all date back to inception and more than 2,200 include coverage to most current issue, with no delay.

There are currently 1,720 active serial titles, and nearly 40% of the journals (993 journals to be exact) are published outside of the U.S.

Interdisciplinary: Comprised of a variety of subjects such as political science, technology, history, and much more!
Overview of HeinOnline’s Law Journal Library

The Law Journal Library contains many non-academic and commercial journals, from publishers such as:

- American Bar Association
- American Society of International Law
- Brill Publishers
- Cambridge University Press
- Canadian Bar Association
- Clarus Press
- De Gruyter
- Edward Elgar Publishing
- Hart Publishing
- Institute of Art & Law
- McGill Institute of Air and Space Law
- Oxford University Press
- Paris Legal Publishers
- SAGE Publishers
- Taylor & Francis
- Vathek Publishing
- John Wiley & Sons, Inc.
- Wolters Kluwer
Overview of HeinOnline’s Law Journal Library

The Law Journal Library contains multidisciplinary journals that cover more than 100 subjects, including:

- Business/Economics
- Communications
- Criminal Justice
- Environmental & Conservation Law
- Family Law
- Health and Safety
- Human Rights
- Intellectual Property
- International Relations
- Immigration
- Medical Jurisprudence
- Political Science
- Psychology/Sociology
- Religion/Theology
- Taxation
- Technology/Computers
- Terrorism
- Women’s Studies
How Hein Is Involved

Our role in this project is to provide *U.S. News* with the citation metrics from HeinOnline. As for the methodology that will be used for their analysis, we will not be involved. The Hein company is not receiving any type of compensation for its work on this project; we simply felt that if *U.S. News* was going to proceed with such an analysis, HeinOnline would be a good source for the law review citation analysis.
Coverage for Citation Analysis

Periodical Coverage

- Law Journal Library
- Bar Journals
- ALI-CLE Journals
- Kluwer Law International Database
- Foreign & International Law Resources: Yearbooks and Periodicals
- ABA Law Library Periodical Database

Case Law Coverage

- All Federal Circuit Courts
- All Federal District Courts
- All Federal Bankruptcy Courts
- U.S. Supreme Court
- All 50 State Courts
- Specialty Courts

Indexed only and all embargoed content are included in the citation analysis.
There are currently over **7.3 million** article to article citations in HeinOnline

There are currently over **310,000** case to article citations

ScholarCheck looks at citation patterns in the text using sources such as:

- Bluebook
- Prince’s Bieber Dictionary of Legal Abbreviations
- Cardiff Index to Legal Abbreviations
- McGill Citation Guide
- And many others!
ScholarCheck and Citation Metrics: Example

151 results searching for 

Simplified Pleading, Meaningful Days in Court, and Trials on the Merits: Reflections on the Deformation of Federal Procedure [article]


Miller, Arthur R. (Cited 2436 times)


- NYUL Rev
- N.Y.U.L.R.
- N.Y.L.
- N.Y. Univ. L. Rev.
- New York University Law Review
- NYU L Rev
- NYU L. Rev.
Hein is aware that the use of citation pattern matching is not a perfect method for counting citations for many reasons such as OCR errors, proper citation rules not followed, etc...

Does a perfect method exist? Likely not

Our goal is to continue to enhance our methods for counting citations so that we can provide the best possible results

Our development team is currently identifying other methods to count citations such as searches by author name, as well as article title (and variants) to ensure completeness.
Quality Control

Hein has compiled a data team to review each faculty member included on the XLS to make sure they’re properly associated with the HeinOnline-indexed data. Part of the review from the data team included reviewing any/all similar author names which could potentially include indexing errors. Identified indexing errors have been corrected and known name variations combined to help associate the proper works with each faculty member.

While our quality assurance check is effective, the challenge of properly disambiguating all proper name variations is very difficult, especially in the cases of common names. We are asking each school to review their faculty members’ profile pages in HeinOnline and notify us of any discrepancies they may find.
Combining Author Name Variations

Example #1 – Author with articles published under 5 different names. The HeinOnline author index would treat as 5 different authors if not combined:

1. Lietzan, Erika
2. Lietzan, Erika King
3. Lietzan, Erika Fisher
4. King, Erika F.
5. King, Erika
Example #2

This submitted faculty roster did not include all name variations. Hein’s data team will review all possible variations found in HeinOnline.

Two corrections found during our QC:

1. Author name published as ‘Miller, Elizabeth Stone’. Stone as middle name not provided as a name variation but picked up via Similar Author tool and confirmed by QC’er
2. Indexing error – Elisabeth (no z in first name)
Example #3
Indexing error where associated article has relevant citation metrics which will improve the author’s overall citations.
HeinOnline and ORCID

HeinOnline has recently become an ORCID member and is currently working on setting up an API to push and pull data between platforms to help with the future overall quality control of maintaining author profiles.
What happens next?

We estimate the total project to involve the review of more than 7,500 faculty profile pages, with the goal for our data team to complete by the end of August 2019.

Our data team will be contacting each school upon completion of our Quality Control Procedures.

- We will be contacting the person who submitted the original faculty XLS to US News as well as the Library Director (and anyone else who requested to receive notification)
- Included in the confirmation message from Hein will be a summary of the work we have done as well as the XLS of faculty names which were included in the US News Survey submission that will also include the HeinOnline Author Profile page URL
In Conclusion (HeinOnline ScholarRank vs. US News & World Report (USNWR)):

- USNWR will NOT use HeinOnline’s current ScholarRank methodology
- USNWR ranking will be based on just law schools while HeinOnline ranks all authors

This project is a major undertaking, but we are committed to improving our data so that we can provide the most accurate results possible. Our mission remains to be first amongst equals and offer the best scholarly legal database to our customers, knowing that enhancing ScholarCheck and adding more analytics will improve the HeinOnline research experience. We appreciate all of the questions, comments, and concerns that we have received thus far.
U.S. News Proposed Ranking: A New Scholarly Impact Metric

Robert J. Morse, Chief Data Strategist
U.S. News & World Report
2020 BEST LAW SCHOOLS

U.S. News factors in data on reputation, LSAT scores, job placement success and more when ranking the top law schools. READ THE METHODOLOGY »

- #1 Yale University  
  New Haven, CT
- #2 Stanford University  
  Stanford, CA
- #3 Harvard University  
  Cambridge, MA

SEE FULL RANKING LIST »

LAW PROGRAMS & SPECIALTIES

Clinical Training  International Law
In February 2019 U.S. News announced that it’s expanding its Best Law Schools data collection with the goal of creating a new ranking that would evaluate the scholarly impact of law schools across the U.S.

The intent is to analyze each law school’s scholarly impact based on a number of accepted indicators that measure its faculty’s productivity and impact using citations, publications and other bibliometric measures.

U.S. News is collaborating with William S. Hein & Co. Inc., the world's largest distributor of legal periodicals, to complete this analysis.
May 2, 2019: U.S. News Responded to the Law School Community

U.S. News recently received feedback from many in the law school community, including deans and professors, regarding the proposal to evaluate scholarly impact at law schools across the country.

Much of the input U.S. News has received to date has focused on questions about the scholarly impact ranking methodology, how the scholarly impact rankings will fit into U.S. News' overall law school rankings and the data sources U.S. News plans to use to create these rankings.

In light of these questions, U.S. News shared an open letter to the law school dean community addressing the preliminary methodology and our work with HeinOnline to create the scholarly impact rankings.
1. U.S. News believes the scholarly impact rankings should be a dynamic survey that expands over the years. We believe we have created a plan for the scholarly impact rankings that is a reliable initial basis for such rankings and, importantly, a foundation continually improve and expand such rankings.

2. We understand that legal scholarship can have an impact beyond law reviews and law journals. While we of course will focus on citation in law reviews and law journals in legal scholarship, we are also incorporating case law and will keep our eyes open to additional resources.

3) Although we will perform the analysis on an individual faculty member level, our rankings will be done at the law school level based on the aggregate results of the school’s faculty. This will allow for a more even comparison across schools. In order to be included in the analysis for any given school—a faculty member’s name needed to be submitted as a full-time tenure and tenure track faculty to USNEWS by their school (these were given to HEIN). For schools that didn’t submit any names to U.S. News we are doing our best to develop faculty names for public sources like AALS and school websites. Our goal is to include all schools in the rankings.
4) Like other U.S. News rankings, we fully expect that the methodology for the scholarly impact rankings will evolve over time. At this time, neither the methodology nor the metrics for the proposed new rankings have been finalized.

5) We do not have any current plans to incorporate scholarly impact rankings as an element in our Best Law Schools rankings. Rather, U.S. News is considering publishing our initial separate law school scholarly impact ranking during the 2019 calendar year or later.
We have received several questions regarding the breadth of HeinOnline’s databases and U.S. News’s willingness to use other resources. We would like to answer these.

First, HeinOnline has a broad database of legal journals and related resources from which citations will be derived. This database includes journals licensed from commercial publishers as well as student edited law reviews.
Second, HeinOnline also includes case law through Fastcase, permitting us to count citations to and from both U.S. state and federal case law.

Third, we have received requests that we consider using data from other citation databases, including Google Scholar, Dimensions and Microsoft Academic. There are disadvantages to those other databases, too.

For instance, Google Scholar is an algorithm, not a curated database, so it may pick up many citations that are not actual citations (e.g., a mention in a table of contents) or multiple instances of the same citation.
While we do not believe it is practical at this time for U.S. News to incorporate additional databases into our proposed scholarly impact ranking methodology, we will remain open to consideration of additional sources as the methodology evolves.
Conclusion

U.S. News wants to emphasize we appreciate the input we have received to date with respect to the scholarly impact rankings.

While we may not agree with each comment we have received, all of the comments are being considered as we formulate our methodology.
Best Practices:
The Law Librarian’s Experience

Lisa Davis, Interim Director Law Library, FIU College of Law
Bonnie Shucha, Associate Dean for Library & Information Services, University of Wisconsin Law School
Current Process Overview

Step by Step:

- Author Profiles: The Initial Author Profiles csv Download
- Spreadsheet Review
  - Edit Institutional Data
  - Edit Author Data
  - Edit Publication Data?
  - Edit Citation Data?
- Communications with Hein
Institutional Data

Types:
• Institution Name
• Authors
• Media and Brand
• Lateral Moves
<table>
<thead>
<tr>
<th>An Option</th>
<th>Another Option</th>
<th>Option Selected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida International University College of Law</td>
<td>FIU Law</td>
<td>FIU College of Law</td>
</tr>
<tr>
<td>All Institutional-Affiliated Authors (students + adjuncts)</td>
<td>All Law Faculty (tenure + contract)</td>
<td>All Law Faculty + Librarian Authors</td>
</tr>
</tbody>
</table>
# AALL 19

**Travis, Hannibal**

<table>
<thead>
<tr>
<th>Full Name</th>
<th>Travis, Hannibal</th>
</tr>
</thead>
<tbody>
<tr>
<td>University/Affiliation</td>
<td>FIU College of Law</td>
</tr>
<tr>
<td>Title</td>
<td>Professor of Law</td>
</tr>
<tr>
<td>ORCID ID</td>
<td>0000-0001-8867-8016</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cited by Cases</th>
<th>1</th>
<th>255</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cited by Articles</td>
<td>238</td>
<td>1,464</td>
</tr>
<tr>
<td>Accessed (Past 12 Months)</td>
<td>390</td>
<td>1,232</td>
</tr>
<tr>
<td>Cited by Articles (Past 10 Years)</td>
<td>174</td>
<td>781</td>
</tr>
<tr>
<td>Cited by Articles (Previous Year + YTD)</td>
<td>16</td>
<td>218</td>
</tr>
<tr>
<td>ScholarCheck Rank</td>
<td>3,791</td>
<td></td>
</tr>
</tbody>
</table>

**Standardized Institutional Description**

How does your institution describe itself?

*Example FIU Law Hein Author Profile:*
http://heinonline.org/HOL/AuthorProfile?collection=journals&search_name=Travis,%20Hannibal&base=js

# AALL19
Author Data

Types:
• Aliases
• ORCiD
• Social Media

Sources:
• Institutional Repository
• Faculty Profiles
• Marketing Personnel
• Outreach
Standardized Author Description

How do your authors describe themselves?

Example FIU Law Faculty Profile: https://law.fiu.edu/faculty/directory/hannibal-travis/
Publication Review
Discovering Known Publications

Sources:
- Faculty CVs
- Annual Reviews
- Institutional Repositories
- Other Datasets (Google Scholar, SSRN, Selected Works, etc.)
- Outreach

"A Uniform Normal Person's System of Citation"
Comparing Publication Count

Hein and Digital Repository

- On average, 62% of works in our repository unaccounted for in Hein
- Individually, from 0% to 94% unaccounted

Based on analysis of scholarly works from all full-time tenured and tenure track faculty
Why Publication Count Differs

• HeinOnline Dataset Limitations
  – Available
    • Largest database of law journals
    • Federal and state cases from Fastcase
  – Not Available
    • Non law and multidisciplinary journals
    • Some online companions, commercial, and foreign / international law journals
    • Monographs and chapters
    • Other scholarship – reports, proceedings, newspapers, etc.
Why Publication Count Differs

• Author Name Mismatch
  – Name variations
  – Name misspellings by publication or Hein
  – Unattributed articles by publication or Hein

• Some Good News
Comparing Citations

Hein and Google Scholar

– On average, Google Scholar attributed 74% more citations than Hein
– Individually, from 42% to 96% more citations attributed

Based on analysis of scholarly works from three full-time tenured faculty
Why Citation Count Differs

• Dataset Differences and Deficiencies
  – Publications not available in HeinOnline
    • Problem compounded - Both cited and citing works must be available
  – Google Scholar algorithm multi-counts and missed citations
Why Citation Count Differs

• Publications in Hein but Citations Missed due to Data Errors
  – Citation errors by citing authors
    • Wrong page numbers, incorrect journal abbreviations, missing punctuation
  – OCR errors by Hein
Lessons Learned

WHAT'S LEARNING FROM SUCCESS CALLED?

EDUCATION, I GUESS.

WHAT'S LEARNING FROM MISTAKES?

EXPERIENCE.

WHAT IF YOU SECRETLY ENJOY CERTAIN MISTAKES AND JUST KEEP MAKING THEM UNTIL YOU DEVELOP A TOLERANCE?

TRAINING.

© Jeff Mallett https://www.gocomics.com/frazz
Lessons Learned

Focus on Greatest Impact / Lowest Time Investment
- Name variations
- Review list of attributed works in Hein
- *Selective* citation review

Communication is Key
- with Hein
- with Faculty *and their self-review support*
  - UW Law Library Checklist for Faculty Scholar Profile Reviews
  - GSU Law Library Faculty Citation Reports LibGuide

#AALL19
# Recommendations to Hein

<table>
<thead>
<tr>
<th>Lessons Learned &amp; Shared</th>
<th>Hein’s Responsive Effort</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCR is faulty</td>
<td>Improving OCR</td>
</tr>
<tr>
<td>Bluebook is faulty</td>
<td>Added citation formats</td>
</tr>
<tr>
<td>Administrative Dashboard</td>
<td>Working on it . . .</td>
</tr>
<tr>
<td>Embargoed content?</td>
<td>Embargoed and Indexed included</td>
</tr>
</tbody>
</table>

Preemptive Review Will Occur for U.S. News Reporting: Libraries will be notified of data prior to sharing with U.S. News & World Report.
Additional Recommendations to Hein:

Notification of Changes to Institutional Authors & Profiles:
tell libraries when people and works added for our institution

Expand Hein Dataset: License or index additional content so more publications and citations are counted . . .

. . . Add Books
. . . Add Foreign Language
. . . Add Cross-Disciplinary
Take-Aways
Take-Aways

HeinOnline’s database was preferred by Deans and U.S. News because its content is curated, not produced by an algorithm.

HeinOnline is vetting name variations and aliases, catching and capturing typos, and adding additional name versions.

The Faculty Authors listed for an institution will probably differ from those analyzed and included by U.S. News because the list includes non-tenure track faculty.
Take-Aways

ScholarCheck & Rank are not the metrics U.S. News & World Report will be using.

U.S. News’ new ranking will be at the law school level, not at the individual faculty level.

Author self-review and outreach is key.

#AALL19
Questions & Answers

Lisa Davis, lisdavis@fiu.edu, @LDavisLibrarian
Shannon Hein, shein@wshein.com
Shane Marmion, smarmion@wshein.com
Robert “Bob” Morse, rmorse@usnews.com, @bob_morse
Bonnie Shucha, bonnie.shucha@wisc.edu