

# Scott B. Weingart

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## National Endowment for the Humanities

### Chief Data Officer

### Director, Office of Data and Evaluation

## Highlights

Leader, historian of science, librarian, and data scientist building a thoughtful future through human-centered technology. Weingart is a prize-winning author of dozens of books and articles, a keynote speaker, a well-known educator, and a former treasurer and executive board member for several international organizations.

## Education

- 2019 M.Sc. Data Science, School of Library & Info. Science, Indiana University (Drs. Katy Börner & Cassidy Sugimoto)  
2009 B.A. History of Science (minor in Computer Engineering), University of Florida (Dr. Robert A. Hatch)

## Experience

- 2023 - ongoing **Chief Data Officer**  
**Inaugural Director, Office of Data and Evaluation**  
*National Endowment for the Humanities*  
-Directs office to collect, analyze, & report to Congress on humanities funding data, focusing on equity & impact.  
-Member of NEH senior leadership, ensuring proper enterprise risk management, federal standard compliance, etc.
- 2023 - ongoing **Research Affiliate, Centre for Data, Culture & Society**  
*University of Edinburgh*  
-Researching on historiographic method, the history of digital humanities, and other topics.
- 2021 - 2022 **Inaugural Director, Navari Family Center for Digital Scholarship**  
**Associate Librarian (Faculty), Hesburgh Libraries**  
**Affiliated Faculty, Lucy Family Institute for Data & Society**  
*University of Notre Dame*  
-Directed \$10 million endowed center with an 11,500 ft<sup>2</sup> footprint and 15+ faculty, staff, postdocs, & students.  
-Member of Hesburgh Libraries' senior leadership, serving on its administrative body, the Library Cabinet.
- 2015 - 2021 **Program Director, Digital Humanities**  
**Assistant Librarian (Faculty), Hunt Library**  
**Core Faculty, Humanities Analytics**  
**Affiliated Faculty, The Simon Initiative**  
*Carnegie Mellon University*  
-Oversaw \$2 million to make CMU a leader in Digital Humanities, incl. \$100k/year internal grants & fellowships.  
-Managed faculty, developers, & others on dozens of research projects at the intersection of data science & society.
- 2014 **Data Scientist (extended contract)**  
*Stanford University Libraries*  
-Developed technically innovative projects alongside scholars, librarians, & programmers.
- 2009 - 2014 **Research Associate**  
*Cyberinfrastructure for Network Science Center, Indiana University*  
-Project managed scholars, developers, and students in creating scientific infrastructure, software & documentation.
- 2010 - 2011 **Research Consultant (extended contract)**  
*Hygieens Institute, National Library of the Netherlands*  
-Led developers & scholars to create an interactive visualization dashboard; interviewed historians to inform scope.
- 2008 - 2009 **Research Assistant**  
*Digital Library Center, University of Florida*  
-Analyzed data, scanned & digitized materials, & helped create metadata standards.

## Academic Books

peer reviewed

- 2022 Graham, S., Milligan, I., & Weingart, S.B., & Martin, K. (2022). *Exploring Big Historical Data: The Historian's Macroscope*, 2<sup>nd</sup> edition. London: World Scientific Press. 10.1142/12435 signif. revisions
- 2020 Ahnert, R., Ahnert, S.E., Coleman, N., & Weingart, S.B. (2020). *The Network Turn*. Cambridge: Cambridge University Press. 10.1017/9781108866804 30+ citations
- 2014 Graham, S., Milligan, I., & Weingart, S.B. (2014). *Exploring Big Historical Data: The Historian's Macroscope*. London: Imperial College Press. 10.1142/p981 [Translated into and published in Chinese.] 300+ citations; bestseller

## Non-Academic Books

not peer reviewed

- 2010 Weingart, S.B. et al. (2010). *Science of Science (Sci2) Tool User Manual*. Digital Publication. 15+ citations
- 2009 Börner, K. et al. (2009). *Network Workbench Tool User Manual*. Digital Publication.

## Articles & Chapters

peer reviewed

- Weingart, S.B. (unpublished). The Networked Structure of Early Modern Science. *Journal for the Association of Information Science & Technology*.
- Sack, G. & Weingart, S.B. (unpublished). Literary Network Analysis. In J. O'Sullivan (Ed.) *Digital Humanities for Literary Studies: Theories, Methods, and Practices*. College Station: Texas A&M University Press.
- 2021 Lincoln, M., Weingart, S.B. & Eichmann-Kalwara, N. (2021). The Index of Digital Humanities Conferences. *Journal of Open Humanities Data*, 7(12). 10.5334/johd.26/
- Heberling, J.M., Miller, J.T., Noesgaard, D., Weingart, S.B., & Schigel, D. (2021). Data integration enables global biodiversity synthesis. *Proceedings of the National Academy of Sciences*, 118(6). 10.1073/pnas.2018093118 100+ citations
- 2020 Burton, M., Lavin, M., Otis, J., & Weingart, S.B. (2020). Digits: Two Reports on New Units of Scholarly Publication. *Journal of Electronic Publishing*, 23(1). 10.3998/3336451.0022.105
- Gomez, F., Weingart, S.B., Mulligan, R., & Evans, D. (2019/2020). The Latin American Comics Archive (LACA): an online platform housing digitized Spanish-language comics as a tool to enhance literacy, research, and teaching through scholar / student collaboration. *Cuadernos del Centro de Estudios en Diseño y Comunicación*, (89).
- 2019 Eichmann, N., Jorgensen, J., & Weingart, S.B. (2019). Representation at Digital Humanities Conferences (2000-2015). In J. Wernimont & E. Losh (Eds.) *Bodies of Information: Intersectional Feminism and Digital Humanities*. Minneapolis: University of Minnesota Press. 10.5749/j.ctv9hj9r9.9 25+ citations

- 2017 Weingart, S.B. & Eichmann, N. (2017). What's Under the Big Tent? A Study of ADHO Conference Abstracts. *Digital Studies / Le champ numérique*, 7(1). 10.16995/dscn.284 30+ citations
- Ladd, J., Otis, J., Warren, C., & Weingart, S.B. (2017). Exploring and Analyzing Network Data with Python. *The Programming Historian*, 2. 10.46430/phen0064 10+ citations
- 2016 Van den Heuvel, C., Weingart, S.B., Spelt, N., & Nellen, H. (2016). Circles of Confidence in Correspondence. *Nuncius*, 31(1). 10.1163/18253911-03101002 10+ citations
- Langmead, A., Otis, J., Warren, C., Weingart, S.B., & Zilinski, L. (2016). Towards Interoperable Network Ontologies for the Digital Humanities. *International Journal of Humanities and Arts Computing*, 10(1-2). 10.3366/ijhac.2016.0157 20+ citations
- 2015 Ekbia, H., Mattioli, M., Kouper, I., Arave, G., Ghazinejad, A., Bowman, Ratandeep Suri, V., Tsou, A., Weingart, S.B., & Sugimoto, C. (2015). Big data, bigger dilemmas: A critical review. *Journal of the Association for Information Science and Technology*, 66(8). 10.1002/asi.23294 375+ citations
- Sugimoto, C. & Weingart, S.B. (2015). The Kaleidoscope of Disciplinarity. *Journal of Documentation*, 71(4). 10.1108/JD-06-2014-0082 100+ citations
- Weingart, S.B. (2015). Finding the History and Philosophy of Science. *Erkenntnis*, 80(1). 10.1007/s10670-014-9621-1 30+ citations
- Graham, S. & Weingart, S.B. (2015). The Equifinality of Archaeological Networks: An Agent-Based Exploratory Lab Approach. *Journal of Archaeological Method and Theory*, 22(1). 10.1007/s10816-014-9230-y 35+ citations
- 2014 Graham, S., Milligan, I., & Weingart, S.B. (2014). Writing The Historian's Macroscopic in Public. *Perspectives in History*, 52(7).
- Weingart, S.B. (2014). Planned IVMOOC Extensions. In K. Börner & D. Polley (Eds.) *Visual Insights*. Boston: MIT Press.
- 2013 Weingart, S.B. (2013). From trees to webs: uprooting knowledge through visualization. In A. Slavic, A. Akdag Salah, & S. Davies (Eds.) *Classification and visualization: interfaces to knowledge*. Würzburg: Ergon Verlag. 10+ citations
- Weingart, S.B. & Jorgensen, J. (2013). Computational Analysis of the Body in European Fairy Tales. *Literary and Linguistic Computing*, 28(3). 10.1093/llc/fqs015 award-winning; 35+ citations
- Weingart, S.B. & Meeks, E. (2013). The Digital Humanities Contribution to Topic Modeling. *Journal of Digital Humanities*, 2(1). 100+ citations
- Thelwall, M., Tsou, A., Weingart, S.B., Holmberg, K., & Haustein, S. (2013). Tweeting links to academic articles. *Cybermetrics*, 17(1). 140+ citations
- Milojevic, S., Hemminger, B., Leydesdorff, L., Weingart, S.B., Chen, C., & Priem, J. (2013). Information Visualization State-of-the-Art and Future Directions. *Proceedings of the ASIS&T Annual Meeting*, 49(1). 10.1002/meet.14504901155 10+ citations
- 2012 Graham, S., Weingart, S.B., & Milligan, I. (2012). Getting Started with Topic Modeling and MALLET. *The Programming Historian*, 2. [Translated into and published in Spanish.] 10.46430/phen0017 140+ citations
- 2011 Weingart, S.B. (2011). Demystifying Networks. *Journal of Digital Humanities*, 1(1). 50+ citations
- Guo, H., Weingart, S.B., & Börner, K. (2011). Mixed-Indicators Model for Identifying Emerging Research Fields. *Scientometrics*, 89(1). 10.1007/s11192-011-0433-7 130+ citations

- 2010 Allen, C., Murdock, J., Buckner, C., & Weingart, S.B. (2010). An API for Philosophy. *APA Newsletter on Philosophy and Computers*, 10(1).

## Selected Other Publications

not peer reviewed

- 2021 Weingart, S.B. & Lincoln, M. (2021). CMU Library Labs (2020-2024). *CMU Library Lab White Paper*. 10.1184/R1/13522718 white paper
- 2020 Lincoln, M., & Weingart, S.B. (2020). CMU Libraries Tech Report, Fall 2020. *CMU Library Lab White Paper*. white paper
- Corrin, J., Davis, E., Lincoln, M., & Weingart, S.B. (2020). CAMPI: Computer-Aided Metadata Generation for Photo archives Initiative. *CMU Library Lab White Paper*. 10.1184/R1/12791807 white paper
- 2019 Weingart, S.B. (2019). Networks in the Humanities: Challenges & Opportunities. In K. Börner, O. Eide, T. Mchedlidze, M. Rehbein, & G. Scheuermann (Eds.) *Network Visualization in the Humanities. Dagstuhl Reports*, 8(11). 10.4230/DagRep.8.11.139. report
- Conroy, M., Elo, K., Heyer, G., Jannidis, F., Rehbein, M., Symvonis, A., & Weingart, S.B. (2019). Visualizing Networks and Temporality. In K. Börner, O. Eide, T. Mchedlidze, M. Rehbein, & G. Scheuermann (Eds.) *Network Visualization in the Humanities. Dagstuhl Reports*, 8(11). 10.4230/DagRep.8.11.139 report
- Weingart, S.B. (2019). The Route of a Text Message. *Motherboard*, an imprint of *VICE*. [Translated into and published in Dutch, Italian, and Russian.] popular press; 1mil+ readers
- 2018 Sloan, R. et al. (2018). The Center for Midnight. *Digital Publication*. <https://www.robinsloan.com/center-for-midnight/> fiction
- 2016 Weingart, S.B. (2016). Stigma. *Inside Higher Ed*. popular press
- 2013 Craig, K. & Weingart, S.B. (2013). Coding the Bishop. *Digital Publication*.

## Edited Volumes

- 2013 Weingart, S.B. & Meeks, E. (Eds.) (2013). *Journal of Digital Humanities*, 2(1).

## Selected Awards, Honors, & Funding

- 2024 Goulding, R. & Weingart, S.B. (US Team) with Jeffries, N. & Hawkins, M. (UK Team). (2022-2024). Unlocking Digital Texts: Towards an Interoperable Text Framework. *NEH/AHRC New Directions for Digital Scholarship in Cultural Institutions*. \$150,000 (NEH) & £250,000 (AHRC)
- 2023 Kilbane, M., Dhaliwal, R.S., Bird, A., Walden, K., & Weingart, S.B. (2022-2023). Data Poetics. *Lucy Family Institute for Data & Society*. \$5,000
- 2021 Langmead, A., Helmreich, A., & Weingart, S.B. (2018-2021). Art History and Network Analysis (NA-DAH), Advanced Digital Institute. *The Getty Foundation*. \$225,000

- 2020 Weingart, S.B., Eichmann-Kalwara, N., & Lincoln, M. (2020). The Index of Digital Humanities Conferences. *1<sup>st</sup> Runner Up, Best DH Dataset*, awarded by DH Awards 2020.
- 2019 Otis, J. & Weingart, S.B. (2018-2019). The Bridges of Pittsburgh. *Berkman Faculty Development Fund*. \$5,400
- 2018 Gómez, F., Weingart, S.B., Evans, D., & Mulligan, R. (2018). LACA - Archivo del Cómic Latinoamericano. *Mejor iniciativa formativa (Best formative initiative)*, awarded by La Asociación de Humanidades Digitales Hispánicas (HDH).
- Weingart, S.B., Burton, M., Lavin, M., & Otis, J. (2017-2018). Digits Planning Grant. *The A.W. Mellon Foundation*. \$60,000
- Warren, C., Shore, D., Otis, J., & Weingart, S.B. (2016-2018). Six Degrees of Francis Bacon. *NEH Office of Digital Humanities*. [Note: Co-PI in practice, but not officially listed as such in NEH records on account of institutional rules at the time] \$325,000
- 2017 Warren, C., Shore, D., Otis, J. & Weingart, S.B. (2017). Six Degrees of Francis Bacon Design Sprint. *Frank-Ratchye Fund for Art at the Frontier (FREAF) Grant, STUDIO for Creative Inquiry*. \$3,000
- 2015 Weingart, S.B. (2011-2015). Effects of Communication Technology and Distribution on Scientific Research. *NSF Graduate Research Fellowship*. \$122,500
- 2013 Weingart, S.B. (2013). Assessing Relevancy in DH. *ACH Microgrant*. \$500
- 2012 Weingart, S.B. (2012). Margaret Griffin Coffin Fellowship. \$4,700
- Weingart, S.B. (2011-2012). *HASTAC Scholar*. \$500
- 2011 Weingart, S.B. & Jorgensen, J. (2011). *Paul Fortier Prize in Digital Humanities*, awarded by the Alliance of Digital Humanities Organizations (ADHO). £500

## Keynote Addresses

- 2018 Weingart, S.B. (2018). Epistolary Networks: Challenges & Opportunities. *Crowdsourcing Data of Letters from the Republic of Letters*, Utrecht, the Netherlands.
- 2016 Weingart, S.B. (2016). Punched-Card Humanities. *Creativity and the City 1600-2000*, Amsterdam, the Netherlands.
- 2015 Weingart, S.B. (2015). Connecting the Dots. *HASTAC*, East Lansing, MI.
- 2014 Weingart, S.B. (2014). Networks In and Of Society. *Digital Humanities Forum*, Lawrence, KS.

## Conference Presentations

peer reviewed

- 2022 Gil, A., Dombrowski, Q., Berger, C., & Weingart, S.B. (2022). Checking In: Digital Humanities Librarians Staff Summer Chat. *DH Unbound*. Virtual.
- 2021 Cremer, F., Andorfer, P., Busch, A., Eichmann-Kalwara, N., Henrich, A., Helling, P., Lincoln, M., Lordick, H., Mischke, D., Steyer, T., & Weingart, S.B. (2021). Die DHd-Abstracts im Zukunftslabor. *Digital Humanities im deutschsprachigen Raum*. Virtual.



- Corrin, J., Davis, E., Lincoln, M., & Weingart, S.B. (2021). Centering the Human Expert: Experiments in Computer Vision Infrastructure for Digital Collection Management. *Coalition for Networked Information Spring 2021*. Virtual.
- 2020 Burton, M., Lavin, M., Otis, J., & Weingart, S.B. (2020). New Scholarship in the Digital Age: Making, Publishing, Maintaining, and Preserving Non-Traditional Scholarly Objects. *Digital Humanities*. University of Ottawa, Ottawa, Canada. *Presented online due to pandemic.*
- Scherer, D., Gunderman, H., Lincoln, M., Mulligan, R., Slayton, E., & Weingart, S.B. (2020). Publishing Reality: Developing a Publishing Model For Augmented Reality, Virtual Reality, and Their Related Pedagogical Materials. *Library Publishing Forum*. University of Massachusetts, Worcester, MA. *Presented online due to pandemic.*
- 2019 Ladd, J., Walsh, M., Kane, M., Erlin, M., Lavin, M., & Weingart, S.B. (2019). New Horizons in Network Analysis. *Association for Computers and the Humanities*. Pittsburgh, PA.
- 2018 Weingart, S.B. (2018). An Ideal Toolkit for Historical Network Analysis. *Reconstructing Historical Networks Digitally*. German Historical Institute, Washington D.C.
- 2017 Kaufman, M., LeBlanc, Z., Lincoln, M., Rochat, Y., & Weingart, S.B. (2017). Visualizing Futures of Networks in Digital Humanities Research. *Digital Humanities*. Montréal, Canada.
- 2016 Weingart, S.B., Eichmann-Kalwara, N., & Jorgensen, J. (2016). Gender & Centrality, DH2000-2016. *Keystone Digital Humanities*. University of Pittsburgh, PA.
- Weingart, S.B., Shore, D., Otis, J., & Warren, C. (2016). Validating Bacon: Accuracy, Representation, and the Early Modern Social Network. *NetworkX*. Stanford, CA.
- 2015 Eichmann, N. & Weingart, S.B. (2015). What's Under the Big Tent? A Study of ADHO Conference Abstracts, 2004-2014. *Digital Humanities Summer Institute Colloquium*. Victoria, Canada.
- 2014 Weingart, S.B. (2014). Fidelity at Scale. Big Data Approaches to Intellectual and Linguistic History. *Helsinki Collegium for Advanced Studies*. Helsinki, Finland.
- McDonald, J., Risam, R., Weingart, S.B., & Wieringa, J. (2014). Microsteps to Advance the Digital Humanities. *Congress of the Humanities and Social Sciences*. St. Catharines, Canada.
- Weingart, S.B., van den Heuvel, C., & Nellen, H. (2014). Operationalizing Confidentiality in Seventeenth-Century Epistolary Networks. *Scientiae*. Vienna, Austria.
- 2013 Bowman, T., Demarest, B., Weingart, S.B., Simpson, G., Lariviere, V., Thelwall, M., & Sugimoto, C. (2013). Mapping DH through heterogeneous communicative practices. *Digital Humanities*. Lincoln, NE.
- Weingart, S.B. (2013). Weakly Connecting Early Modern Science. *What are Digital Humanities?* University of Oslo.
- 2012 Weingart, S.B. (2012). Accurate and Inadequate Models for Historians. *Human Complexity*. UNC- Charlotte.
- Weingart, S.B. (2012). Modeling Knowledge Propagation through Early Modern Correspondence Networks. *American Philosophical Association*. Chicago, IL.

- 2011 **Weingart, S.B.** (2011). Sampling Bias in Humanistic Networks. *Networks and Network Analysis for the Humanities: Reunion Conference*. UCLA, CA.
- Jorgensen, J. & **Weingart, S.B.** (2011). A Quantitative Folkloristic Approach to European Fairy Tales. *American Folklore Society*. Indiana University, IN.
- Weingart, S.B.** & Jorgensen, J. (2011). Computational Analysis of Gender and the Body in European Fairy Tales. *Digital Humanities*. Stanford University, CA. award-winning
- Weingart, S.B.** (2011). Modeling the Republic of Letters. *Computer Simulations in the Humanities*. UNC-Charlotte, NC.

## Selected Other Presentations

not peer reviewed

- 2023 Goddard, L., **Weingart, S.B.**, Stevenson, D., van Zundert, J. (2023). Reframing Failure: After Failure. *Reframing Failure Seminar Series*. School of Advanced Study, University of London. Virtual. invited
- 2021 Tharsen, J. & **Weingart, S.B.** (2021). History of the Future. *Big Data and the Historian's Craft*. Seoul National University, South Korea & Lingnan University, Hong Kong. Virtual. invited
- Ahnert, R., Ahnert, S., Coleman, N., **Weingart, S.B.**, & McDonough, K. The Network Turn. *New Books Network*. Virtual. invited
- Ahnert, R., Ahnert, S., Coleman, N., **Weingart, S.B.**, & Guldi, J., & LeBlanc, Z. Online Panel with the authors of 'The Network Turn'. *Cambridge Elements*. Virtual. book launch
- Weingart, S.B.** & Eichmann-Kalwara, N. (2021). A Look Backwards Through the Index of DH Conferences. *The Digital Humanities Long View*. University College London & Stanford, California. Virtual. invited
- 2020 Corrin, J., Davis, E., Lincoln, M., & **Weingart, S.B.** (2020). CAMPI: Computer-Aided Metadata for Photo Archives Initiative. *NDSA Content Interest Group Series*. National Digital Stewardship Alliance, DLF. Virtual. invited
- Weingart, S.B.** (2020). The Heart of a University. University of Notre Dame, Notre Dame, Indiana. invited
- Heberling, M., Miller, J., Noesgaard, D., **Weingart, S.B.**, & Schigel, D. (2020). Data integration enables global biodiversity synthesis: A literature review of GBIF-enabled studies. *GB27 Meeting*. Virtual. invited
- Corrin, J., Davis, E., Lincoln, M., & **Weingart, S.B.** (2020). CAMPI: Computer-Aided Metadata for Photo Archives Initiative. *21st Century Curatorship Talk Series*. British Library, London, U.K. invited
- Corrin, J., Davis, E., Lincoln, M., & **Weingart, S.B.** (2020). CAMPI: Computer-Aided Metadata for Photo Archives Initiative. *LC Labs*. Library of Congress, Washington D.C. invited
- 2019 **Weingart, S.B.** (2019). Innovations in Digital Publishing at Carnegie Mellon University. *Digital Journalism / Digital Scholarship Summit*. University of Connecticut, Stamford, CT. invited

- Weingart, S.B. (2019). Bridging the Divide: Nomothetic & Idiographic History. *The Prehistory of Computational Analysis in the Humanities*. Penn State, State College, PA. organizer
- Weingart, S.B. (2019). Towards A Framework for Studying Historical Networks. *BLIZAAAR Expert Workshop*. C<sup>2</sup>DH University of Luxembourg, Luxembourg. organizer
- Weingart, S.B. (2019). Doing Digital Humanities: Start to Finish. *DH at MIT Lecture Series*. Massachusetts Institute of Technology, MA. invited
- Burton, M., Lavin, M., Otis, J., & Weingart, S.B. (2019). Digits: A New Unit of Publication. *DH Faculty Research Group*. Carnegie Mellon University, PA. organizer
- Lincoln, M., Slayton, E., & Weingart, S.B. (2019). Bridges of Pittsburgh. *DH Faculty Research Group*. Carnegie Mellon University, PA. organizer
- 2018 Weingart, S.B. (2018). Networks in the Humanities: Challenges and Opportunities. *Network Visualization in the Humanities*. Dagstuhl, Germany. invited
- Gomez, F., Weingart, S.B., Evans, D., & Mulligan, R. (2018). The Latin American Comics Archive. *Digital Humanities*. Mexico City, Mexico. invited
- Weingart, S.B. & Lavin, M. (2018). Designing Research in the Digital Humanities. *Word Lab*. University of Pennsylvania, PA. invited
- Weingart, S.B. (2018). Geometries of Thought. *NULab*. Northeastern University, MA. invited
- 2017 Weingart, S.B. (2017). Networks for the Humanities. *Institute of the Humanities & Global Cultures*. University of Virginia, VA. invited
- Weingart, S.B. (2017). Re-Introducing Digits. *Digits Advisory Board Meeting*. Carnegie Mellon University, PA. organizer
- Weingart, S.B. (2017). History of Historical Network Research. *Early Modern Digital Agendas*. The Folger Shakespeare Library, Washington D.C. invited
- Weingart, S.B. (2017). Extracting and Structuring Data. *Early Modern Digital Agendas*. The Folger Shakespeare Library, Washington D.C. invited
- Weingart, S.B. (2017). Distributed Scholarship in Early Modern Europe. *am dh*. Carnegie Mellon University, PA. invited
- Elli, T., Warren, C., Otis, J., Weingart, S.B., Mauri, M., Ciuccarelli, P. (2017). Re-Designing Bacon. *New Perspectives in the Digital Humanities: Visualisation and Visual Thinking*. King's College, London. invited
- Weingart, S.B. (2017). What Networks Argue: Visual Metaphors in History & Historiography. *History of Visualization / Visualization in History*. Columbia University, NY. invited
- Weingart, S.B. (2017). Questions at the Intersection: Ethics, Information Security, and the Humanities. *Workshop on New Connections for Digital Humanities and Cybersecurity*. Arizona State University, AZ. invited
- 2016 Weingart, S.B. (2016). Using Networks to Make Sense of Complexity. *Digital Humanities + Data Journalism*. University of Miami, FL. invited
- Graham, S., Milligan, I., & Weingart, S.B. (2016). The Historian's Macroscopic: Ideas, Applications, Ethics, and Cautionary Notes in the Age of Big Data. *DigiCafe*. Guelph University, Canada. invited
- Weingart, S.B. (2016). Designing Arguments. Lehigh University, PA. invited



- Weingart, S.B. (2016). Six Degrees of Francis Bacon. Washington University, St. Louis. invited
- Weingart, S.B. (2016). The Historian's Macroscopic: Structural Shifts in Early Modern Correspondence Networks. Washington University, St. Louis. invited
- Weingart, S.B. (2016). Distributed Scholarship in Early Modern Europe: Networks as an Historical Lens. Yale University. invited
- 2015 Weingart, S.B. (2015). Communication in Early Modern Europe: Networks as an Historical Method. UC-Boulder, CO. invited
- Weingart, S.B. (2015). The Republic of Letters: Networked Serendipity in Early Modern Europe. UCLA, CA. invited
- Weingart, S.B. (2015). Digital Scholarship Workshop: Networks & Visualization. University of Florida, FL. invited
- 2014 Weingart, S.B. (2014). When Networks Fail. Stanford University, CA. invited
- Weingart, S.B. (2014). Knowledge Uprooted. University of Wisconsin – Milwaukee. invited
- 2013 Weingart, S.B. (2013). Disciplines: implicit and opposing structures overlaying interdisciplinary research. *Knowledge Orders and Science, KNOWeSCAPE*. The Hague, Netherlands. invited
- Weingart, S.B. (2013). Analysis of Two Large Corpora of Early Modern Letter Networks. *Computer Technologies for the Historical Research of Intellectual Networks*. Jerusalem, Israel. invited
- Weingart, S.B. (2013). Introduction to Networks and Network Analysis for Humanists. *Computer Technologies for the Historical Research of Intellectual Networks*. Jerusalem, Israel. invited
- Weingart, S.B. & Börner, K. (2013). History & Philosophy of Science: Finding the Middle Ground. *Digital HPS*. Bloomington, IN. invited
- Weingart, S.B. (2013). The IVMOOC. *Google's Coursebuilder Faculty Workshop*. Zürich, Switzerland. invited
- Weingart, S.B. (2013). Networks of Topics, Texts, and Words. *What can we do with 500 billion words?* Indiana University, IN. invited
- 2012 Van den Heuvel, C. & Weingart, S.B. (2012). Desiderata for Visualizing Uncertainty and Contextuality in the Digital Humanities. *Visualising Data Workshop*. Gotha, Germany. invited
- Weingart, S.B. (2012). Network Analysis for the Digital Humanities. UW-Madison, WI. invited
- 2011 Weingart, S.B. (2011). Analyzing, Visualizing, and Navigating the Republic of Letters. Oxford University. invited
- Weingart, S.B. (2011). Models and Extensions (facilitator). *Topic Modeling for Humanities Research*. Maryland Institute for Technology in the Humanities, University of Maryland, MD. invited
- 2010 Weingart, S.B. (2010). Mapping Scientific Networks. Wright-Patterson Air Force Base, OH. invited
- Weingart, S.B. (2010). The Circulation of Knowledge and Learned Practices in the 17th Century Dutch Republic – Visualizing & Navigating the Dutch Republic of Letters. Huygens ING, Netherlands. invited

- Weingart, S.B. (2010). The Republic of Letters – Using Textual and Network Analysis to Study History and Model Science. VKS, Netherlands. invited
- 2009 Weingart, S.B. (2009). Perils of Mapping Science. *Republic of Letters Data and Studies Workshop*. Indiana University, IN. organizer
- Weingart, S.B. (2009). Fitting Agent-Based Models to Historical Networks. *NSF/JSMF Workshop on Mapping the History and Philosophy of Science*. Indiana University, IN. invited

## Selected Workshops & Demos

not peer reviewed unless specified

- 2019 Scott's Rules of Thumb for Visualizing Small Networks. (2019). *Network Analysis + Digital Art History*. Webinar. organizer
- Introduction to Network Analysis for Art History. (2019). University of Pittsburgh, PA. organizer
- 2017 Networks for Humanities and Social Sciences. (2017). University of Richmond, VA. invited
- 2016 Digital Humanities: A Distant Read. (2016). University of Pittsburgh, PA. invited
- Ethical Data Scraping. (2016). University of Pittsburgh, PA. invited
- Introduction to Gephi. (2016). Lehigh University, PA. invited
- Humanities Networks. (2016). Yale University, CT. invited
- 2015 Humanities Networks. (2015). University of Colorado, Boulder, CO. invited
- Digital Scholarship Workshop: Networks & Visualizations. (2015). University of Florida, FL. invited
- Networks & History. (2015). *American Historical Association*. New York City, NY. invited
- 2014 Historian's Macroscopic. (2014). Helsinki Collegium for Advanced Studies, Finland. invited
- Networks: Basics, Theory, Data, & Visualization. (2014). Stanford University, CA. invited
- 2013 Network Visualizations using Gephi. Computer Technologies for the Historical Research of Intellectual Networks. (2013). Jerusalem, Israel. invited
- Citation Analysis Tools: Sci2 and the Network Workbench. (2013). *Computer Technologies for the Historical Research of Intellectual Networks*. Jerusalem, Israel. invited
- Networks for Humanists using the Network Workbench. (2013). Indiana University. invited
- 2012 Analyzing & Visualizing Correspondence Networks for Browseable Interfaces. (2012). Huygens ING. invited
- Network and Topical Analysis for the Humanities using NWB and Sci2. (2012). *Digital Humanities*. Stanford University. peer reviewed

## Posters

- 2021 Heberling, J.M., Miller, J.T., Noesgaard, D., Weingart, S.B., & Schigel, D. (2021). Data integration enables global biodiversity synthesis. *Ecological Society of America*. Virtual. peer reviewed

## Selected Teaching

Digital Humanities Literacy Course, Carnegie Mellon University.	35 hours
Digital Humanities Graduate Seminar (76-911). Carnegie Mellon University.	full semester
Introduction to Digital Humanities (76-429). Carnegie Mellon University.	full semester
Data, Math, Visualization, and Interpretation of Networks. Digital Humanities Summer Institute. University of Victoria.	40 hours
Information Visualization Graduate Course (S637). Indiana University.	full semester
Information Visualization Massively Open Online Course (S637). Indiana University.	full semester
Early Modern Scientific Revolutions. University of Florida.	full semester

## Selected Projects, Tools, Websites, &c.

My scholarly work centers around projects, many never resulting in a publication. A selection to which I have contributed appears below. (“Project manager” is abbreviated to PM.)

<b>Accounting for Bias in Historical Data.</b> Discover archival absence and statistically account for voices that are missing.	PI
<b>Bias in DH.</b> Analyze gender, geographic, and topical bias in the digital humanities community.	PI
<b>Bibliometrics at CMU.</b> Explore collaboration at CMU.	PI
<b>Digital Humanities Literacy Guidebook.</b> Teaching DH to newcomers. 10.1184/r1/10250381	PI
<b>Digits.</b> Assess possible technical interventions to reduce the friction associated with publishing digital scholarship.	PI
<b>Finding the History &amp; Philosophy of Science.</b> Bibliometrically analyze the history and philosophy of science communities.	PI
<b>Punched Card Humanities.</b> Research the early usage of computation in the humanities.	PI
<b>Republic of Letters.</b> Reconstruct and analyze the correspondence networks underlying early modern science.	PI
<b>The Index of Digital Humanities Conferences.</b> Create a website / digital archive making accessible the history of the digital humanities community. 10.34666/k1de-j489	PI
<b>The Last Tree.</b> Create a website on the history of diagrams of knowledge. <a href="http://last-tree.scottbot.net/">http://last-tree.scottbot.net/</a>	PI
<b>Bridges of Pittsburgh.</b> Find and beautifully present an efficient route through all the bridges in Pittsburgh. 10.1184/r1/8276171	Co-PI
<b>CAMPI.</b> Create a machine-learning augmented interface to aid archivists in the processing of large photography collections. 10.1184/R1/12791807	Co-PI
<b>Gender and the Body in European Fairy Tales.</b> Discover how early fairy tales described bodies in European fairy tales.	Co-PI

<b>Introduction to Network Analysis and Representation.</b> Create a website to help people understand fundamental aspects of network analysis. <a href="https://emeeks.github.io/networks/">https://emeeks.github.io/networks/</a>	Co-PI
<b>Six Degrees of Francis Bacon.</b> Mine, crowdsource, and present a social network of Early Modern Britain. 10.1184/dh/af729e	Co-PI
<b>The Center for Midnight.</b> Write a piece of fiction with students, AI algorithms, and best-selling novelist Robin Sloan. <a href="https://www.robinsloan.com/center-for-midnight/">https://www.robinsloan.com/center-for-midnight/</a>	Co-PI
<b>Unlocking Digital Texts.</b> Lay the groundwork for an Interoperable Text Framework, doing for text what IIF does for images.	Co-PI
<b>ePistolarium.</b> Create a resource for historians to explore early modern letters. <a href="http://ckcc.huygens.knaw.nl/epistolarium/">http://ckcc.huygens.knaw.nl/epistolarium/</a>	PM
<b>Ethics &amp; Artificial Intelligence.</b> Understand how ethics is discussed in the context of artificial intelligence using text analytic techniques.	PM
<b>ETHOS: Encyclopedia of the History of Science.</b> Develop an online, open-access encyclopedia. <a href="https://lps.library.cmu.edu/ETHOS/">https://lps.library.cmu.edu/ETHOS/</a>	PM
<b>Frankenstein Variorum.</b> Create a new edition of Frankenstein, highlighting variations between early editions. <a href="https://frankensteinvariorum.github.io/">https://frankensteinvariorum.github.io/</a>	PM
<b>Biography of a Course: Golf Analytics.</b> Quantitatively analyze a half century of golf tournaments to learn the biography of a course. <a href="https://shiny.library.cmu.edu/golf/">https://shiny.library.cmu.edu/golf/</a>	PM
<b>Janeway at CMU.</b> Facilitate the launch of a CMU libraries journal platform,	PM
<b>Mapping Gandhi.</b> Create an interactive map charting Gandhi's social interventions in a region of India.	PM
<b>Mining the Television Megatext.</b> Analyze 1950s television through text and databases.	PM
<b>Sci2 Tool.</b> Create scientific software to analyze networks.	PM
<b>Cascades, Islands, or Streams? Time, Topic, and Scholarly Activities in Humanities and Social Science Research.</b> Research large-scale trends in scholarly activity.	Collaborator
<b>Çatalhöyük Living Archive.</b> Construct a browsable interface of an archaeological archive. <a href="https://sul-catalhoyuk-prod.stanford.edu/">https://sul-catalhoyuk-prod.stanford.edu/</a>	Collaborator
<b>Indiana Philosophy Ontology Project.</b> Use text-mining and crowdsourcing to create an ontology of philosophy.	Collaborator
<b>Josquin Research Project.</b> Design data visualizations of medieval music.	Collaborator
<b>Journal of Cultural Studies Retrospective.</b> Research the history of the journal of cultural studies via computational means.	Collaborator
<b>Kindred Britain.</b> Design an interactive visualization of British family trees.	Collaborator
<b>Latin American Comic Book Archive.</b> Create an archive of important Latin American comics.	Collaborator
<b>Network Workbench.</b> Create scientific software to analyze networks.	Collaborator
<b>Uncovering the Ancient Roman Economy.</b> Construct a model of Ancient Roman bricklayer networks.	Collaborator

- Beyond the Ant Brotherhood.** Develop an online interface to Tolstoy's notes and letters. Contributor
- Print & Probability.** Discover anonymous printers of early books. Contributor
- Shakespeare-VR.** Recording and presenting Shakespeare in virtual reality. Contributor  
<https://shakespeare-vr.library.cmu.edu/>
- Sports Celebrity.** Analyze youth celebrity culture. Contributor

## Selected Contract / Consulting Positions

- 2022 **The Posen Library of Jewish Culture and Civilization.** Metadata conceptualization, website redesign, & fellowship program development. 2021-2022.
- 2021 **Modernist Women Architects.** Network analysis consultant & developer. Vanderbilt University, 2020-2021.
- 2012 **Data-driven Ontology Development.** Text-mining consultant. NASA Atmospheric Science Data Center, 2012.
- 2011 **Cultures of Knowledge.** Data visualization & product consultant. Oxford University, 2011.

## Selected Reviews

Data integration enables global biodiversity synthesis (Proceedings of the National Academy of Sciences, 2021)

**Faculty Opinions.** Soltis, D. (DOI: 10.3410/f.739496669.793582777)

**The Network Turn** (Cambridge University Press, 2020)

**Avant.** Hamarowski, B. (DOI: 10.26913/avant.202209)

**The Year's Work in Critical and Cultural Theory.** Eccles, K. (DOI: 10.1093/ywcct/mbab014)

**The Historian's Macroscope** (Imperial College Press, 2014)

**ACRL CHOICE Reviews.** (DOI: 10.5860/CHOICE.196916)

**Histoire sociale / Social History.** Gaffield, C. (DOI: 10.1353/his.2018.0011)

**Reviews in History.** Crymble, A. (DOI: 10.14296/RiH/2014/1889)

**Virtualis.** Gayol, V. (v. 7, n. 13, p. 102-105)

**Networks Demystified** (Journal of Digital Humanities, 2011)

**Music Reference Services Quarterly.** Giannetti, F. (DOI: 10.1080/10588167.2016.1166842)

## Selected Interviews, Press Coverage, & PR



- 2023 NEH (2023). National Endowment for the Humanities Appoints Scott B. Weingart to Lead the Agency's New Office of Data and Evaluation. *National Endowment for the Humanities*.
- 2021 O'Leary, T. (2021). Scott Weingart to lead Navari Family Center for Digital Scholarship at Notre Dame. *Hesburgh Libraries*.
- Libresco Sargeant, L. (2021). Don't Tell Your Computer Where You've Been. *Tiny Book Club*.
- Libresco Sargeant, L. (2021). Sipping from the Firehose of Digital Data. *Tiny Book Club*.
- Kish, S. (2021). Big Data Accelerates Biodiversity Research. *Dietrich College of Humanities and Social Sciences*.
- MacRae, S. (2021). Free and Open Sharing of Biodiversity Data Promises New Era of Research. *Carnegie Museum of Natural History / PR Newswire*.
- GBIF (2021). Data integration enables global biodiversity synthesis. *Global Biodiversity Information Facility*.
- 2020 Riffe, S. (2020). Libraries Use Computer Vision to Explore Archival Photo Collection. *Carnegie Mellon University Libraries*.
- Enis, M. (2020). Carnegie Mellon Prototype Streamlines Digitized Photo Archives Processing. *Library Journal*.
- 2016 Cox, J. (2016). 70,000 OkCupid Users Just Had Their Data Published. *Vice*.
- 2015 Howard, J. (2015). Ph.D. Candidate Helps Rethink Graduate Education in the Humanities. *The Chronicle of Higher Education*.
- Rea, S. (2015). Scott Weingart Joins Carnegie Mellon as Digital Humanities Specialist. *Carnegie Mellon University News*.

## Selected External Service, &c.

- 2023 Advisory Board (2022-2023). The Posen Digital Library of Jewish Culture and Civilization.
- Advisory Committee, representing the Association for Computers and the Humanities (2021-2023). Library of Congress Copyright Public Modernization Committee. Washington D.C.
- 2022 Deputy Treasurer (2021-2022) & Treasurer (2022). Alliance of Digital Humanities Organizations, Executive Board.
- Advisory Board (2020-2022). Big Data Studies Lab. Seoul National University, South Korea.
- Ambassador (2014-2022). Places & Spaces: Mapping Science Exhibit.
- 2021 Program Committee (2020-2021). Historical Network Research. University of Luxembourg, Luxembourg.
- 2020 Chair, Conference Coordinating Committee (2019-2020). Association for Computers and the Humanities.
- Convener (2019-2020). Network Analysis + Digital Art History Summer Workshop. Pittsburgh, PA.

- Executive Council (2016-2020). The Association for Computers and the Humanities.
- 2019 Program Committee (2019). The Prehistory of Computational Analysis in the Humanities. State College, PA.
- Steering Committee & Local Committee (2019). Association for Computers and the Humanities 2019. Pittsburgh, PA.
- Convener (2019). BLIZAAR Expert Workshop on Historical Network Research. C<sup>2</sup>DH University of Luxembourg, Luxembourg.
- 2017 Program Committee (2017). Current Research in Digital History. George Mason University.
- 2016 Editor (2016). Digital Literary Studies.
- Program Committee (2016). Keystone DH. Pittsburgh, PA.
- 2015 Steering Committee (2013-2015). Digital History & Philosophy of Science Consortium.
- 2014 Committee on Publishing and Professional Excellence (2014). *History of Science Society*.
- 2010 Program Committee (2010). Networks and Network Analysis for the Humanities. Los Angeles, CA.
- 2009 Program Chair (2009). Republic of Letters Data and Studies Workshop. Bloomington, IN.

## Selected Internal Service, &c.

- 2023 Member, Executive Risk Management Board. NEH. (2023).
- Member, Senior Staff. NEH. (2023).
- NEH Representative, Subgroup on the Year of Open Science, US Government. (2023).
- NEH Representative, Chief Data Officer Council, US Government. (2023).
- 2022 Member, Hesburgh Libraries Diversity Committee. ND. (2022).
- Member, University Committee on Other Regular Faculty Appeals. ND. (2022).
- Member, Hesburgh Library Cabinet, ND. (2021-2022).
- Organizing Committee. Bioinformatics Introductory Program. ND. (2021-2022).
- 2021 Member, Research Data Services. CMU Libraries. (2020-2021).
- Core Faculty, Humanities Analytics. CMU. (2017-2021).
- Co-Founder & Core Member. *dSHARP* Center for Digital Scholarship at Carnegie Mellon University. CMU. (2017-2021).
- Selection Committee, University Lecture Series. CMU (2017-2021).
- Hiring Committee, two CLIR Fellow, two DH Developers, one Digital Strategy programmer, three interns. CMU. (2015-2021).
- Steering Committee, A.W. Mellon Grant for Digital Humanities & Technology-Enhanced Learning. CMU. (2015-2021).
- 2020 Hiring Committee, Open Science Postdoc. CMU Libraries. (2020).

- 2018 Hiring Committee, Associate Dean of Innovation, Preservation, and Access. CMU Libraries. (2018).
- 2014 Steering Committee. Catapult Center for Digital Humanities. IU. (2012-2014).

## Selected Grant Project Affiliations

- |      |  |             |
|------|--|-------------|
| 2022 | Advisory Board Member. Greenhouse Studios – Phase II. (2019-2022). University of Connecticut. <i>Andrew W. Mellon Foundation</i> .   | \$500,000   |
| 2021 | Advisory Board Member. Net.Create: Using Network Analysis to Support Digital Humanities in Large History Classrooms. (2018-2021). Indiana University. <i>NSF Division of Research &amp; Learning</i> .                 | \$299,661   |
| 2020 | Program Director. Digital Humanities & Technology Enhanced Learning at Carnegie Mellon University. (2015-2020). Carnegie Mellon University. <i>Andrew W. Mellon Foundation</i> .                                       | \$2,000,000 |
| 2015 | Grant Writer & Research Associate. Cascades, Islands, or Streams? Time, Topic, and Scholarly Activities in Humanities and Social Science Research. (2012-2015). Indiana University. <i>NSF/NEH Digging Into Data</i> . | \$126,522   |
| 2014 | Grant Writer & Research Assistant. Monitoring, Modeling & Forecasting Tools for Fostering Innovative S&T Workforce. (2011-2014). Indiana University. <i>NIH/NIGMS</i> .  | \$1,100,000 |
| 2010 | Research Associate. Indiana Philosophy Ontology Project. (2009-2010). Indiana University. <i>NEH Office of Digital Humanities</i> .  | \$400,000   |

## Selected Affiliations, Past/Present

Association for the Advancement of Artificial Intelligence (AAAI)

Association for Computers and the Humanities / European Association for Digital Humanities (ACH/EADH)

American Folklore Society (AFS)

American Society for Information Science & Technology (ASIS&T)

American Philosophical Association (APA)

American Historical Association (AHA)

History of Science Society (HSS)

International Big History Association (IBHA)

International Network for Social Network Analysis (INSNA)

Society for Digital Humanities (SDH-SEMI)

## By The Numbers

Over my career, my fifty or so publications have accrued over 2,500 citations and been taught in over a thousand academic courses. Prior to my federal service, I directly brought my institutions \$1.2 million in grant funds, actively supported an additional \$4.5 million in grant projects, and through administrative support and advising helped raise another \$10.6 million. More important than scholarly impact has been my public

humanities work: dozens of digital projects, instructional materials, and public writings collectively seen by millions and picked up by major news outlets around the world.

My longest-running public project was a decade-spanning digital humanities blog, *the scottbot irregular* (scottbot.net, 2011-2021), which according to Google Scholar has been cited in over 250 books and articles. The blog was featured as an editors' choice 29 times on *Digital Humanities Now*, 19 times on *DH+Lib*, and 4 times on *Giant's Shoulders: A History of Science Carnival*.

From 2015 onward, increasing managerial and administrative load translated to fewer publications and presentations. My scholarly production and participation further decreased with the birth of a child and subsequent paternity leave in 2021/2022. In 2023, my employment by the National Endowment for the Humanities rendered most of my remaining collaborative work and board participation a conflict of interest. While I still pursue research in my spare time, my attention is now focused on ensuring a healthy, active, and ethical research landscape in the United States and around the globe.