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 frequent keynote speaker, a well-known educator, and a former treasurer and executive board member for several international organizations.

Education

forthcoming	Ph.D. Digital Methods and History, University of Amsterdam	(Dr. Charles van den Heuvel)
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)

Employment

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 data from the sole federal agency funding humanities in the US, focusing particularly on equity and impact.

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 ft² 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
-Orchestrated $2 million project to make CMU a leader in the Digital Humanities.
-Managed faculty, developers, & others on dozens of research projects at the intersection of data science & society.
-Administered $100k/year internal grant & fellowship program.

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
-Led a team of scholars, developers, and students in creating scientific infrastructure, software & documentation.

2010 - 2011
Research Consultant (extended contract)
Huygens 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, 2nd 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   20+ 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

Weingart, S.B. (in preparation). *SMS: What a Text Message Reveals About the Modern World*. Under contract with agent for popular press.

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. & Eichmann-Kalwara, N. (in preparation). A Past, Present, and Future of Digital Humanities. In J. O'Sullivan (Ed.) *The Bloomsbury Handbook of Digital Humanities*. London: UK. Bloomsbury Publishing.

Weingart, S.B. (in revision). The Networked Structure of Early Modern Science. *Journal for the Association of Information Science & Technology*.

2021   Sack, G. & Weingart, S.B. (2021). Literary Network Analysis. In J. O'Sullivan (Ed.) *Digital Humanities for Literary Studies: Theories, Methods, and Practices*. College Station: Texas A&M University Press.

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   50+ 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   15+ 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   25+ 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

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   15+ 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 Macroscope 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; 30+ 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   130+ citations
        Modeling and MALLET. *The Programming Historian*, 2. [Translated into and
        published in Spanish.] 10.46430/phen0017

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   130+ citations
        Identifying Emerging Research Fields. *Scientometrics*, 89(1). 10.1007/s11192-
        011-0433-7

Selected Other Publications
not peer reviewed

2021   Weingart, S.B. & Lincoln, M. (2021). CMU Library Labs (2020-2024). *CMU Library*   white paper
        Lab White Paper. 10.1184/R1/13522718

2020   Lincoln, M, & Weingart, S.B. (2020). CMU Libraries Tech Report, Fall 2020. *CMU*   white paper
        Library Lab White Paper.

        Corrin, J., Davis, E., Lincoln, M., & Weingart, S.B. (2020). CAMPI: Computer-   white paper
        Aided Metadata Generation for Photo archives Initiative. *CMU Library Lab*
        White Paper. 10.1184/R1/12791807

2019   Weingart, S.B. (2019). Networks in the Humanities: Challenges & Opportunities. In   report
        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.

        Conroy, M., Elo, K., Heyer, G., Jannidis, F., Rehbein, M., Symvonis, A., &   report
        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

        Weingart, S.B. (2019). The Route of a Text Message. *Motherboard*, an imprint of   popular press;
        VICE. [Translated into and published in Dutch, Italian, and Russian.]   1mil+ readers

2018   Sloan, R. et al. (2018). The Center for Midnight. *Digital Publication*.   fiction
        https://www.robinsloan.com/center-for-midnight/

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 $150,000 (NEH)
        Team). (2022-2024). Unlocking Digital Texts: Towards an Interoperable Text   &
        Framework. *NEH/AHRC New Directions for Digital Scholarship in Cultural*   £250,000 (AHRC)
        Institutions.

2023   Kilbane, M., Dhaliwal, R.S., Bird, A., Walden, K., & Weingart, S.B. (2022-2023). $5,000
        Data Poetics. *Lucy Family Institute for Data & Society*.

2021   Langmead, A., Helmreich, A, & Weingart, S.B. (2018-2021). Art History and $225,000
Network Analysis (NA-DAH), Advanced Digital Institute. *The Getty Foundation*.

2020   Weingart, S.B., Eichmann-Kalwara, N., & Lincoln, M. (2020). The Index of Digital
Humanities Conferences. *1ˢᵗ Runner Up, Best DH Dataset,* awarded by DH
Awards 2020.

2019   Otis, J. & Weingart, S.B. (2018-2019). The Bridges of Pittsburgh. *Berkman Faculty* $5,400
Development Fund.

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 $60,000
Grant. *The A.W. Mellon Foundation*.

     Warren, C., Shore, D., Otis, J., & Weingart, S.B. (2016-2018). Six Degrees of Francis $325,000
Bacon. *NEH Office of Digital Humanities*.

2017   Warren, C., Shore, D., Otis, J. & Weingart, S.B. (2017). Six Degrees of Francis $3,000
Bacon Design Sprint. *Frank-Ratchye Fund for Art at the Frontier (FRFAF) Grant,
STUDIO for Creative Inquiry*.

2015   Weingart, S.B. (2011-2015). Effects of Communication Technology and $122,500
Distribution on Scientific Research. *NSF Graduate Research Fellowship*.

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   £500
by the Alliance of Digital Humanities Organizations (ADHO).

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

2021   Weingart, S.B. (2021). History of the Future. *Big Data and the Historian's Craft*. Seoul National University, South Korea & Lingnan University, Hong Kong.   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. *BLIZAAR Expert Workshop*. C²DH 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 Macroscope: 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 Macroscope: 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*

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 Macroscope. (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 Browsable 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.)

Accounting for Bias in Historical Data. Discover archival absence and statistically account for voices that are missing.	PI
Bias in DH. Analyze gender, geographic, and topical bias in the digital humanities community.	PI
Bibliometrics at CMU. Explore collaboration at CMU.	PI
Digital Humanities Literacy Guidebook. Teaching DH to newcomers. 10.1184/r1/10250381	PI
Digits. Assess possible technical interventions to reduce the friction associated with publishing digital scholarship.	PI
Finding the History & Philosophy of Science. Bibliometrically analyze the history and philosophy of science communities.	PI
Punched Card Humanities. Research the early usage of computation in the humanities.	PI
Republic of Letters. Reconstruct and analyze the correspondence networks underlying early modern science.	PI
The Index of Digital Humanities Conferences. Create a website / digital archive making accessible the history of the digital humanities community. 10.34666/k1de-j489	PI
The Last Tree. Create a website on the history of diagrams of knowledge. http://last-tree.scottbot.net/	PI
Bridges of Pittsburgh. Find and beautifully present an efficient route through all the bridges in Pittsburgh. 10.1184/r1/8276171	Co-PI
CAMPI. Create a machine-learning augmented interface to aid archivists in the processing of large photography collections. 10.1184/R1/12791807	Co-PI
Gender and the Body in European Fairy Tales. Discover how early fairy tales described bodies in European fairy tales.	Co-PI
Introduction to Network Analysis and Representation. Create a website to help people understand fundamental aspects of network analysis. https://emeeks.github.io/networks/	Co-PI
Six Degrees of Francis Bacon. Mine, crowdsource, and present a social network of Early Modern Britain. 10.1184/dh/af729e	Co-PI
The Center for Midnight. Write a piece of fiction with students, AI algorithms, and best-selling novelist Robin Sloan. https://www.robinsloan.com/center-for-midnight/	Co-PI

Unlocking Digital Texts. Lay the groundwork for an Interoperable Text Framework, doing for text what IIIF does for images.	Co-PI
ePistolarium. Create a resource for historians to explore early modern letters. http://ckcc.huygens.knaw.nl/epistolarium/	PM
Ethics & Artificial Intelligence. Understand how ethics is discussed in the context of artificial intelligence using text analytic techniques.	PM
ETHOS: Encyclopedia of the History of Science. Develop an online, open-access encyclopedia. https://lps.library.cmu.edu/ETHOS/	PM
Frankenstein Variorum. Create a new edition of Frankenstein, highlighting variations between early editions. https://frankensteinvariorum.github.io/	PM
Biography of a Course: Golf Analytics. Quantitatively analyze a half century of golf tournaments to learn the biography of a course. https://shiny.library.cmu.edu/golf/	PM
Janeway at CMU. Facilitate the launch of a CMU libraries journal platform,	PM
Mapping Gandhi. Create an interactive map charting Gandhi's social interventions in a region of India.	PM
Mining the Television Megatext. Analyze 1950s television through text and databases.	PM
Sci2 Tool. Create scientific software to analyze networks.	PM
Cascades, Islands, or Streams? Time, Topic, and Scholarly Activities in Humanities and Social Science Research. Research large-scale trends in scholarly activity.	Collaborator
Çatalhöyük Living Archive. Construct a browsable interface of an archaeological archive. https://sul-catalhoyuk-prod.stanford.edu/	Collaborator
Indiana Philosophy Ontology Project. Use text-mining and crowdsourcing to create an ontology of philosophy.	Collaborator
Josquin Research Project. Design data visualizations of medieval music.	Collaborator
Journal of Cultural Studies Retrospective. Research the history of the journal of cultural studies via computational means.	Collaborator
Kindred Britain. Design an interactive visualization of British family trees.	Collaborator
Latin American Comic Book Archive. Create an archive of important Latin American comics.	Collaborator
Network Workbench. Create scientific software to analyze networks.	Collaborator
Uncovering the Ancient Roman Economy. 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. https://shakespeare-vr.library.cmu.edu/	Contributor
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)
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

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.
          C²DH 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.

2022   Member, Hesburgh Libraries Diversity Committee. ND. (2022).

Member, University Committee on Other Regular Faculty Appeals. ND. (2022).

2021   Organizing Committee. Bioinformatics Introductory Program. ND. (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

Year	Project	Amount
2022	Advisory Board Member. Greenhouse Studios – Phase II. (2019-2022). University of Connecticut. *Andrew W. Mellon Foundation.*	$500,000
2021	Advisory Board Member. Net.Create: Using Network Analysis to Support Digital Humanities in Large History Classrooms. (2018-2021). Indiana University. *NSF Division of Research & Learning.*	$299,661
2020	Program Director. Digital Humanities & Technology Enhanced Learning at Carnegie Mellon University. (2015-2020). Carnegie Mellon University. *Andrew W. Mellon Foundation.*	$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. *NSF/NEH Digging Into Data.*	$126,522
2014	Grant Writer & Research Assistant. Monitoring, Modeling & Forecasting Tools for Fostering Innovative S&T Workforce. (2011-2014). Indiana University. *NIH/NIGMS.*	$1,100,000
2010	Research Associate. Indiana Philosophy Ontology Project. (2009-2010). Indiana University. *NEH Office of Digital Humanities.*	$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)

Scholarly Blog

According to Google Scholar, my decade-spanning (2011-2021) digital humanities blog *the scottbot irregular* (scottbot.net) has been cited in over 250 books and articles. Posts have been assigned on over 500 academic syllabuses from nearly 100 universities around the world. The blog has been 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*. When it was still active, the blog received about 5,000 visitors / month.

Productivity Note

My scholarly production and participation decreased with the birth of a child and subsequent paternity leave in 2021/2022. This trend continued into 2023 with my employment by the National Endowment for the Humanities, rendering much of my collaborative work and board participation a conflict of interest.