

Susan Vanderplas

Curriculum Vitae

343D Hardin Hall North Wing
3310 Holdrege Street
Lincoln, NE 68483-0961
402-472-7290
✉ susan.vanderplas@unl.edu
🌐 [srvanderplas](https://srvanderplas.github.io)

Education

- 2015 **PhD, Statistics**, Iowa State University
Dissertation: The Perception of Statistical Graphics
- 2011 **MS, Statistics**, Iowa State University
- 2009 **BS, Psychology & Applied Mathematical Sciences**, Texas A&M University

Professional Experience

- 2020 **Assistant Professor**, Statistics Department, University of Nebraska, Lincoln
- 2018–2019 **Research Assistant Professor**, Center for Statistics and Applications in Forensic Evidence, Iowa State University
- 2015–2019 **Statistical Analyst/Consultant**, Nebraska Public Power District
- 2015 **Postdoc**, Iowa State University Office of the Vice President for Research

Publications

Student advisees indicated with *. Contribution percentages estimated from git contributions using `git fame` where possible. Not all projects have github repositories for which this is meaningful.

Peer Reviewed Publications


19. 2023 **VanderPlas, Susan**, Ge, Yawei*, Unwin, Antony, and Hofmann, Heike (Mar. 2023). "Penguins Go Parallel: a grammar of graphics framework for generalized parallel coordinate plots". In: *Journal of Computational and Graphical Statistics*. DOI: [10.1080/10618600.2023.2195462](https://doi.org/10.1080/10618600.2023.2195462).
Contribution: Writing (50%).
18. 2023 Zemmels, Joseph*, **Vanderplas, Susan**, and Hofmann, Heike (Feb. 9, 2023). "A Study in Reproducibility: The Congruent Matching Cells Algorithm and cmcR package". In: *R Journal* 14 (4), pp. 79–102. DOI: [10.32614/RJ-2023-014](https://doi.org/10.32614/RJ-2023-014).
Contribution: Programming and analysis (10%), Writing (20%), Advising (40%).
17. 2023 Robinson, Emily*, Howard, Reka, and **VanderPlas, Susan** (Jan. 2023). "You Draw It: Implementation of visually fitted trends with r2d3". In: *Journal of Data Science*. ISSN: 1680-743X. DOI: [10.6339/22-JDS1083](https://doi.org/10.6339/22-JDS1083).
Contribution: Writing (10%), Advising (80%).
16. 2022 Bradford, Denise* and **VanderPlas, Susan** (Dec. 2022). "Exploring Rural Shrink Smart Through Guided Discovery Dashboards". In: *Journal of Data Science*, pp. 1–12. ISSN: 1680-743X. DOI: [10.6339/22-JDS1080](https://doi.org/10.6339/22-JDS1080).
Contribution: Programming and analysis (10%), Writing (10%), Advising (100%).
15. 2022 Wilhelm, Adalbert and **VanderPlas, Susan** (Nov. 2022). "Visual Narratives of the Covid-19 pandemic". In: *Journal of Data Science, Statistics, and Visualisation* 2.7, pp. 84–113. DOI: [10.1080/10618600.2023.2195462](https://doi.org/10.1080/10618600.2023.2195462).

52933/jdssv.v2i7.64. URL: <https://jdssv.org/index.php/jdssv/article/view/64>.


Contribution: Writing (60%).

14.  Robinson, Emily A.*, Howard, Reka, and **Vanderplas, Susan** (Nov. 1, 2022). "Eye Fitting Straight Lines in the Modern Era". In: *Journal of Computational and Graphical Statistics* 0.ja, pp. 1–19. DOI: <https://doi.org/10.1080/10618600.2022.2140668>.


Contribution: Programming and analysis (10%), Writing (10%), Advising (60%).

13.  Hofmann, Heike, Carriquiry, Alicia, and **Vanderplas, Susan** (May 5, 2021). "Treatment of inconclusives in the AFTE range of conclusions". In: *Law, Probability and Risk* 19.3-4, pp. 317–364. ISSN: 1470-8396. DOI: <https://doi.org/10.1093/lpr/mgab002>.


Contribution: Writing (50%).

12.  **Vanderplas, Susan**, Röttger, Christian, Cook, Dianne, and Hofmann, Heike (Dec. 1, 2021). "Statistical significance calculations for scenarios in visual inference". In: *Stat* 10.1, e337. DOI: <https://doi.org/10.1002/sta4.337>.


Contribution: Programming and analysis (30%), Writing (65%).

11.  **Vanderplas, Susan**, Carriquiry, Alicia, Hofmann, Heike, Hamby, James, and Tai, Xiao Hui (2020). "An introduction to firearms examination for researchers in statistics". In: *Handbook of Forensic Statistics*. Ed. by Banks, D., Kafadar, K., Kaye, D., and Tackett, M. New York: Chapman and Hall/CRC 2020. DOI: <https://doi.org/10.1201/9780367527709>.


Contribution: Writing (50%).


10.  **Vanderplas, Susan**, Nally, Melissa, Klep, Tylor, Cadevall, Cristina, and Hofmann, Heike (Mar. 1, 2020). "Comparison of three similarity scores for bullet LEA matching". In: *Forensic Science International* 308, p. 110167. ISSN: 0379-0738. DOI: <https://doi.org/10.1016/j.forsciint.2020.110167>. URL: <https://www.sciencedirect.com/science/article/pii/S0379073820300293>.

Contribution: Programming and analysis (20%), Writing (55%).


9.  **Vanderplas, Susan**, Cook, Dianne, and Hofmann, Heike (Mar. 1, 2020). "Testing Statistical Charts: What Makes a Good Graph?" In: *Annual Review of Statistics and Its Application* 7.1, pp. 61–88. DOI: <https://doi.org/10.1146/annurev-statistics-031219-041252>.


Contribution: Writing (85%).

8.  Rutter, Lindsay, **Vanderplas, Susan**, Cook, Dianne, and Graham, Michelle (May 29, 2019). "ggenealogy: An R Package for Visualizing Genealogical Data". In: *Journal of Statistical Software* 89.13, pp. 1–31. DOI: <https://doi.org/10.18637/jss.v089.i13>.


7.  **Vanderplas, Susan**, Goluch, Ryan C, and Hofmann, Heike (Apr. 1, 2019). "Framed! Reproducing and Revisiting 150-Year-Old Charts". In: *Journal of Computational and Graphical Statistics* 28.3, pp. 620–634. DOI: <https://doi.org/10.1080/10618600.2018.1562937>.

Contribution: Programming and analysis (60%), writing (50%).




6.  Sievert, Carson, **Vanderplas, Susan**, Cai, Jun, Ferris, Kevin, Khan, Faizan Uddin Fahad, and Hocking, Toby Dylan (Nov. 14, 2018). "Extending ggplot2 for Linked and Animated Web Graphics". In: *Journal of Computational and Graphical Statistics* 28.2, pp. 299–308. DOI: <https://doi.org/10.1080/10618600.2018.1513367>.

5.  **Vanderplas, Susan** and Hofmann, Heike (Apr. 24, 2017). "Clusters Beat Trend!? Testing Feature Hierarchy in Statistical Graphics". In: *Journal of Computational and Graphical Statistics* 26.2, pp. 231–242. DOI: <https://doi.org/10.1080/10618600.2016.1209116>.





Contribution: Programming and analysis (90%), writing (50%).

4.  **VanderPlas, Susan** and Hofmann, Heike (Dec. 31, 2016). "Spatial Reasoning and Data Displays". In: *IEEE Transactions on Visualization and Computer Graphics* 22.1, pp. 459–468. DOI: <https://doi.org/10.1109/TVCG.2015.2469125>.

Contribution: Programming and analysis (90%), writing (75%).

3.  **Vanderplas, Susan** and Hofmann, Heike (Dec. 10, 2015). "Signs of the Sine Illusion - why we need to care". In: *Journal of Computational and Graphical Statistics* 24.4, pp. 1170–1190. DOI: <https://doi.org/10.1080/10618600.2014.951547>.
Contribution: Programming and analysis (50%), writing (60%).
2.  Towfic, Fadi, **Vanderplas, Susan**, Oliver, Casey A, Couture, Oliver, Tuggle, Christopher K, Greenlee, M Heather West, and Honavar, Vasant (2010). "Detection of gene orthology from gene co-expression and protein interaction networks". In: *BMC bioinformatics* 11.Suppl 3, S7. DOI: <https://doi.org/10.1186/1471-2105-11-S3-S7>.
1.  Hull, Rachel, Bortfeld, Heather, and **Koons, Susan** (2009). "Near-infrared spectroscopy and cortical responses to speech production". In: *The open neuroimaging journal* 3, p. 26. DOI: <https://doi.org/10.2174/1874440000903010026>.




Other Publications

4.  Submitted as an invited response to Hullman & Gelman's "Designing for Interactive Exploratory Data Analysis Requires Theories of Graphical Inference".
VanderPlas, Susan (July 30, 2021). "Designing Graphics Requires Useful Experimental Testing Frameworks and Graphics Derived From Empirical Results". In: *Harvard Data Science Review* 3.3. DOI: <https://doi.org/10.1162/99608f92.7d099fd0>.
3.  Carriquiry, Alicia, Hofmann, Heike, Tai, Xiao Hui, and **Vanderplas, Susan** (Apr. 1, 2019). "Machine learning in forensic applications". In: *Significance* 16.2, pp. 29–35. DOI: <https://doi.org/10.1111/j.1740-9713.2019.01252.x>.
Contribution: Writing (50%).
2.  Submitted as an invited response to Donoho's "50 years of Data Science".
Hofmann, Heike and **Vanderplas, Susan** (Dec. 19, 2017). "All of This Has Happened Before. All of This Will Happen Again: Data Science". In: *Journal of Computational and Graphical Statistics* 26.4, pp. 775–778. DOI: <https://doi.org/10.1080/10618600.2017.1385474>.
Contribution: Writing (75%).
1.  Budrus, Sarah, **Vanderplas, Susan**, and Cook, Dianne (2013). "In tennis, do smashes win matches?" In: *Significance* 10.3, pp. 35–38. DOI: <https://doi.org/10.1111/j.1740-9713.2013.00665.x>.

In Progress **Generalized Parallel Coordinate Plots: ggpcp** with Heike Hofmann and Antony Unwin. An R package for creation of generalized parallel coordinate plots. Submitted to JCGS, November 2022.
Perception of Log Scales Assessment of perception and use of log scales to display exponential growth. 3 manuscripts currently in preparation.
Bullet Signature Resampling Method for resampling bullet signatures used to calculate match and non-match score distributions.

Grants

Funded

-  **NIJ: R&D In Forensic Science, Automatic Acquisition and Identification of Footwear Class Characteristics**, PI, Total: \$380,650
-  **USDA-NIFA: Agriculture and Food Research Initiative, Corn Residue Adaptive Grazing Strategies**, Collaborator, Total: \$300,000
-  **NIST: Center for Statistics and Applications in Forensic Evidence, Footwear Class Characteristics and Human Factors**, PI, Total: \$20,000,000, Sub: \$456,930
-  **USDA-NRCS: Conservation Innovation Grant On-Farm Trials, Improving the Economic and Ecological Sustainability of US Crop Production through On-Farm Precision Experimentation**, PI, Total: \$4,000,000, Sub: \$400,000 (Split between 3 UNL co-PIs)

2020
2023

NSF: Smart and Connected Communities, *Overcoming the Rural Data Deficit to Improve Quality of Life and Community Services in Smart & Connected Small Communities*, PI, Total: \$1,500,000, Sub: \$123,445

2019
2020

NIJ: R&D In Forensic Science, *Statistical Infrastructure for the Use of Error Rate Studies in the Interpretation of Forensic Evidence*, Collaborator, Total: \$197,699, Sub: \$57,596

Not Funded

2022

NIJ: R&D In Forensic Science, *Physical Simulation of Lower Body Biomechanics for Artificial Shoe Wear and Forensics Analysis*, Co-PI, Total: \$299,859, Sub: \$73,693

2020

USDA-NIFA: Agriculture and Food Research Initiative, *Practical Framework to Facilitate Adoption of In-Season N Management Technology in Commercial Fields*, Collaborator, Total: \$300,000

2020

NSF: National Artificial Intelligence Research Institutes, *AI Institute: AgroAI: The Institute for Advancing Agriculture and Food in a Changing World Using AI*, Collaborator, Total: \$20,000,000

2019

USDA-AFRI: Sustainable Agricultural Systems, *A Cyber-Physical System for Data-Intensive Farm Management*, PI, Total: \$3,000,000

2018

NIJ: R&D In Forensic Science, *Evaluating Photogrammetry for 3D Footwear Impression Recovery*, PI, Total: \$281,755

Talks

Invited

2021

How do you define a circle? Perception and Computer Vision Diagnostics, *JSM*, Section on Statistical Graphics, Seattle, WA

2021

Pandemics, Graphics, and Perception of Log Scales, *R Ladies DC*, Washington, DC

2020

Perception and Visual Communication in a Global Pandemic, *Data Science, Statistics, and Visualization*, SAMSI, Online

2020

One of these things is not like the others: Visual Statistics and Testing in Statistical Graphics, *Data Science Symposium*, South Dakota State University, Brookings, SD

2020

Big Data, Big Experiments, and Big Problems, *Plant and Animal Genome*, San Diego, CA

2019

Statistical Lineups for Bayesians, *JSM*, Section on Statistical Graphics, Denver, CO

2018

Clusters Beat Trend!? Testing Feature Hierarchy in Statistical Graphics, *SDSS*, Reston, VA

2015

Animint: Interactive Web-Based Animations using Ggplot2's Grammar of Graphics, *JSM*, Section on Statistical Graphics, Seattle, WA

2014

The curse of three dimensions: Why your brain is lying to you, *JSM*, Section on Statistical Graphics, Boston, MA

Contributed

2022

Local Population Footwear Class Characteristics - An End-to-End Pipeline for Automatic Data Acquisition and Analysis, *International Association for Identification Meeting*, Omaha, NE

2022

From Scans to Scores, *International Association for Identification Meeting*, Omaha, NE

2021

Welcome to Forensic Statistics, *Data Mishaps Night*, Online

2018

Framed Charts in the 1870 Statistical Atlas, *JSM*, Section on Statistical Graphics, Vancouver, BC, CA

2017

A Bayesian Approach to Visual Inference, *JSM*, Section on Statistical Graphics, Baltimore, MD

2016

Clusters Beat Trend!? Testing Feature Hierarchy in Statistical Graphics, *JSM*, Section on Statistical Graphics, Chicago, IL

2015

Visual Aptitude and Statistical Graphics, *InfoVis*, IEEE, Chicago, IL

2014

Do You See What I See? Using Shiny for User Testing, *JSM*, Section on Statistical Graphics, Boston, MA

2014

Animint: Interactive, Web-Ready Graphics with R, *Great Plains R User Group*, Sioux Center, IA

2013

Signs of the Sine Illusion – why we need to care, *JSM*, Section on Statistical Graphics, Montreal, ON, CA

Seminars

2022

Reproducible Science: Statistics, Forensics, and the Law, *Statistics*, University of Nebraska - Lincoln, Lincoln, NE

2022

How to make good charts, *Complex Biosystems*, University of Nebraska - Lincoln, Lincoln, NE

2022

Pandemics, Graphics, and Perception of Log Scales, *Math*, University of Nebraska - Omaha, Omaha, NE

2022

Automatic Acquisition of Footwear Class Characteristics, *Center for Statistical Applications in Forensic Evidence*, Online

2021

Pandemics, Graphics, and Perception of Log Scales, *NUMBATS*, Monash University, Melbourne, Vic, AUS

2021

Exploring Rural Quality of Life Using Data Science and Public Data, *QQPM*, University of Nebraska - Lincoln, Lincoln, NE

2021

Inconclusive Conclusions: Biases and Consequences, *Law and Psychology Brown Bag*, University of Nebraska - Lincoln, Lincoln, NE

2021

Visual Statistics: Communication and Graphical Testing, *Animal Science*, University of Nebraska - Lincoln, Lincoln, NE

2021

How to Make Good Charts, *Biological and Systems Engineering GSA*, University of Nebraska - Lincoln, Lincoln, NE

2020

Statistical Evaluation of Firearms and Toolmark Evidence, *Statistics*, University of Nebraska - Lincoln, Lincoln, NE

Software

Dates show initial involvement; only packages which are no longer maintained have end dates.

2021

ggpcp, *Generalized parallel coordinate plots*, [Repository](#)

2020

vinference, *Analysis of visual inference experiments*, [Repository](#)

2019

groovefinder, *Identification of grooves in scans of bullet land engraved areas*, [Repository](#)

2021

2019

cmcR, *Automated matching of 3d cartridge case scans using the congruent matching cells algorithm*, [Repository](#)

2018

bulletxtctr, *Automated matching of 3d bullet scans*, [Repository](#)

2018	x3ptools , <i>Reading, manipulating, and visualizing x3p files</i> , Repository
2018	bulletssamlr , <i>Resampling of bullet signatures</i> , Repository
2018	ShoeScraperR , <i>Acquisition of shoe images and metadata from online retailers</i> , Repository
2020	
2018	ImageAlignR , <i>Image registration algorithms for forensics</i> , Repository
2021	
2013	animint , <i>Animated, interactive web graphics for R using ggplot2 and d3.js</i> , Repository
2015	

Teaching

2022	STAT 151 , <i>Introduction to Statistical Computing</i> , University of Nebraska - Lincoln, Flipped synchronous. Evals: 4.95 (mean), 5 (median)
2022	STAT 218 , <i>Introduction to Statistics</i> , University of Nebraska - Lincoln, Online asynchronous. Evals: 3.72 (mean), 4 (median)
2022	STAT 850 , <i>Computing Tools for Statisticians</i> , University of Nebraska - Lincoln, Flipped synchronous
2022	STAT 892 , <i>Writing in Statistics/TA Prep</i> , University of Nebraska - Lincoln, In person synchronous
2022	STAT 982 , <i>Advanced Inference</i> , University of Nebraska - Lincoln, Co-taught with Bertrand Clarke
2021	STAT 218 , <i>Introduction to Statistics</i> , University of Nebraska - Lincoln, Online asynchronous.. Evals: 4.01 (mean), 4 (median)
2021	STAT 850 , <i>Computing Tools for Statisticians</i> , University of Nebraska - Lincoln, Hybrid, flipped, synchronous. Evals: 4.79 (mean), 5 (median)
2020	STAT 218 , <i>Introduction to Statistics</i> , University of Nebraska - Lincoln, Initially in person synchronous, then online asynchronous. Evals: 4.20 (mean), 4 (median)
2020	STAT 850 , <i>Computing Tools for Statisticians</i> , University of Nebraska - Lincoln, Hybrid, flipped, synchronous. Evals: 4.76 (mean), 5 (median)
2019	STAT 585 , <i>Data Technologies for Statistical Analysis</i> , Iowa State, Co-taught with Heike Hofmann. Evals: 4.92 (mean), 5 (median)

Mentoring and Advising

Ph.D.

2022	Weihao (Patrick) Li , <i>Monash University</i> , Advances in Artificial Intelligence for Data Visualization: Developing Computer Vision Models to Automate Reading of Data Plots, with Application to Predictive Model Diagnostics, co-advised with Dianne Cook and Emi Tanaka
2021	Rachel Rogers , <i>University of Nebraska - Lincoln</i> , Explainable Machine Learning for Forensics in Courtrooms
2021	Denise Bradford , <i>University of Nebraska - Lincoln</i> , Dashboards for Exploratory Multivariate Data Analysis
2020	Alison Kleffner , <i>University of Nebraska - Lincoln</i> , Spatial Statistics and Visualization in Ecology and Agriculture, co-advised with Yawen Guan
2020	Joseph Zemmels , <i>Iowa State University</i> , Analysis and Matching of Cartridge Cases, co-advised with Heike Hofmann
2020	Emily Robinson , <i>University of Nebraska - Lincoln</i> , Perception of Log Scales, co-advised with Reka Howard
2022	

MS

- 2023 **Charles Bonk**, *University of Nebraska - Lincoln*, Reproducibility in Firearms and Toolmark Algorithms
- 2022 **Tyler Wiederich**, *University of Nebraska - Lincoln*, Perception of Three Dimensional Graphics
- 2022 **Muxin Ha**, *University of Nebraska - Lincoln*, Automatic Recognition of Shoe Class Characteristics
- 2021 **Jayden Stack**, *University of Nebraska - Lincoln*, Automatic Recognition of Shoe Class Characteristics
- 2022 **Ved Piyush**, *University of Nebraska - Lincoln*, Machine Learning and Computer Vision
- 2020 **Joseph Zemmels**, *Iowa State University*, Analysis and Matching of Cartridge Cases, co-advised with Heike Hofmann
- 2019 **Eryn Blagg**, *Iowa State University*, Analysis of Wear Development in Three-Dimensional Shoe Scans, co-advised with Heike Hofmann
- 2020 **Miranda Tilton**, *Iowa State University*, Footwear Class Characteristics and Computer Vision

Undergraduate

- 2021 **Xinyu Liu**, *University of Nebraska - Lincoln*, Machine Learning for Shoe Sole Images, UNL FYRE Program
- 2019 **Jason Seo**, *Iowa State University*, R package for visualization of neural networks using the python library keras-vis
- 2018 **Talen Fisher**, *Iowa State University*, Database engineering and tools for working with x3p files

Summer

- 2019 **Molly McDermott and Andrew Maloney**, *Iowa State University*, Bullet Scan Quality and Machine Learning
- 2019 **Syema Ailia, Emmanuelle Hernandez Morales, Tiger Ji**, *Iowa State University*, Rapid quality control tools for confocal microscopy scans
- 2018 **Ben Wonderlin, Jenny Kim**, *Iowa State University*, Footwear Class Characteristics and Computer Vision, Young Engineers and Scientists Program

Outreach

Legal Briefs and Testimony

- 2022 **Amicus Curiae Brief**, *Supreme Court of New Jersey*, A-56-18 State v. Michael Olenowski (082253)
- 2022 **Amicus Curiae Brief**, *Supreme Court of Maryland*, In Support of Appellant Kobina Ebo Abruquah
- 2022 **Written Testimony**, *Cook County Circuit Court*, Reply to Response by FBI Laboratory filed in Illinois v. Winfield and Affidavit by Biederman et al. (2022) filed in US v. Kaevon Sutton (2018 CF1 009709)
- 2021 **Written Testimony**, *Cook County Circuit Court*, Assessment of the Reliability of Studies of Firearms Examination in Forensics

Forensic Practitioners

- 2021 **Blog Post**, *CSAFE*, Q&A - Treatment of Inconclusive Results in Error Rates of Firearm Studies ([Link](#))
- 2021 **Webinar**, *CSAFE*, Treatment of Inconclusive Results in Error Rates of Firearm Studies
- 2020 **CSAFE Firearms Workshop**, Invited Talk: Open Source Software in Forensics

Service

Service to the Discipline

2023	Advisory Committee on Forensic Science, ASA
2025	
2023	Graphics Section Chair, ASA
2024	
2022	Graphics Section Chair-Elect, ASA
2023	
2021	Associate Editor, <i>Journal of Computational and Graphical Statistics</i>
2024	
2020	Associate Editor, <i>R Journal</i>
2023	
2020	Graphics Section Program Chair (2021), ASA , Official duties include planning JSM sessions in 2020 and running the Data Expo in 2022
2022	
2020	Program Committee (Graphics), <i>Symposium on Data Science and Statistics 2020</i> , Visualization Track co-chair
2019	
2021	Gertrude Cox Scholarship Committee Member, ASA Assisted with selection of the Gertrude Cox Scholarship recipients and honorable mentions
2019	Uncoast Unconference Organizing Committee, Des Moines, IA Organized the first R Uncoast Unconference to bring R developers in flyover country together for a 3-day event. Over 50% of the participants at the conference were women or minorities, and participants included students, academics, and industry R programmers with a variety of experience levels in R programming.
2017	Graphics Section Representative to the Council of Sections, ASA
2019	
Reviewing	I have reviewed papers for JCGS, the R Journal, JASA, The American Statistician, Forensic Science International, Law Probability and Risk, Forensic Sciences Research, and Symmetry.

Department and Institutional Service

2021	R Workshop Coordinator Develop and coordinate a week of R workshops taught in January, and May each year
2021	Faculty Senate, <i>Statistics Department Representative</i>
2022	
2021	Faculty Advisory Council, <i>Vice-Chair</i>
2022	
2021	MS Comp Exam Committee Committee to evaluate the current MS Stat Day presentation component and consider other options for the MS program
2022	
2021	Digital Ag Minor Committee Committee to develop a digital ag minor
2021	Data Science Joint Committee Committee of Math, Computer Science, and Statistics departments to develop a comprehensive undergraduate data science program
2020	Seminar Organizer Arrange speakers for the department seminar
2021	
2020	SCIL 101 Poster Judge, <i>Fall Semester</i>
2019	Undergraduate Program Committee Design an undergraduate statistics major and submit the proposal to the university
2020	

Training & Professional Development

2022
2023
2021
2022

Nebraska Governance and Technology Center, *Faculty Fellow*

Peer Review of Teaching Program

Create a course portfolio for Stat 850 in order to assess course design and analyze student engagement and learning

2020

New Faculty Development Program

2020

Summer Institute for Online Teaching

Online course structure and backwards design principles