Susan Vanderplas

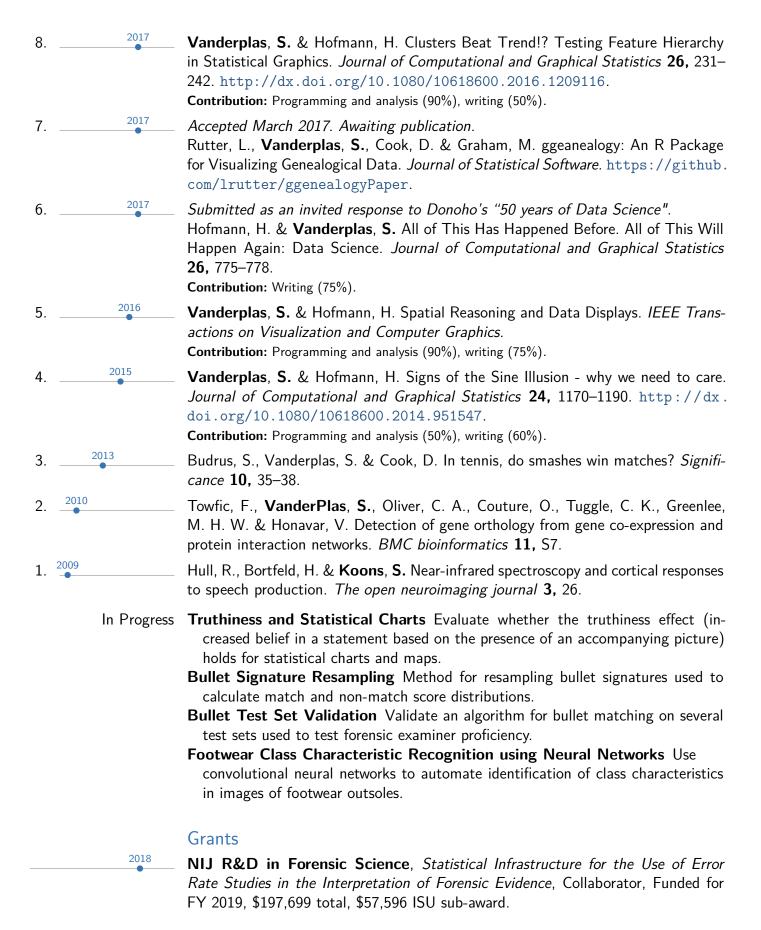
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Curriculum Vitae

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and Graphical Statistics 0, 1–10. https://doi.org/10.1080/10618600.2018.



2018	NIJ R&D in Forensic Science, Passive Acquisition of Footwear Class Characteristics in Local Populations, PI, Not funded, \$383,104.
2018	NIJ R&D in Forensic Science, Evaluating Photogrammetry for 3D Footwear Impression Recovery, PI, Not funded, \$281,755.
	Invited Talks
2019	Statistical Lineups for Bayesians , <i>JSM</i> , Section on Statistical Graphics, Denver, CO.
2018	Clusters Beat Trend!? Testing Feature Hierarchy in Statistical Graphics, <i>SDSS</i> , Reston, VA.
2015	Animint: Interactive Web-Based Animations Using Ggplot2's Grammar of Graphics, <i>JSM</i> , Seattle, WA.
2014	The curse of three dimensions: Why your brain is lying to you , <i>JSM</i> , Section on Statistical Graphics Student Paper Session, Boston, MA.
	Contributed Talks
2018	Framed! Reproducing 150 year old charts, JSM, Vancouver, BC.
2017	A Bayesian Approach to Visual Inference, JSM, Baltimore, MD.
2016	Clusters Beat Trend!? Testing Feature Hierarchy in Statistical Graphics,
0015	JSM, Chicago, IL.
2015	Visual Aptitude and Statistical Graphics, InfoVis, Chicago, IL.
	Animint: Interactive, Web-Ready Graphics with R , <i>Great Plains R User Group</i> , Sioux Center, IA.
2014	Do You See What I See? Using Shiny for User Testing, JSM, Boston, MA.
2013	Signs of the Sine Illusion – why we need to care, JSM, Montreal, ON.
	Software
2018	bulletsamplr, Resampling of bullet signatures.
2018	ImageAlignR, Image registration algorithms for forensics.
2018	bulletxtrctr, automated matching of 3d bullet scans.
2018	x3ptools, Reading, manipulating, and visualizing x3p files.
2013	animint, animated, interactive web graphics for R using d3.js.
	Teaching
2019	Stat 585 - Data Technologies for Statistical Analysis , <i>Iowa State University</i> . Frequent guest lecturer, assisted with curriculum development

2017	Business Intelligence Embedded Agent Program, Nebraska Public Power District.
	Design and implement a program to mentor employees, providing instruction in data science and opportunities to apply new skills within the company. Lead one-on-one and group mentoring sessions to create a sense of community and reinforce skills learned through online courses. Class size: 16
2017	R Workshop, Nebraska Public Power District.
	3-day internal course on using R for data analysis.
2013	R Workshops, Iowa State.
2014	Introduction to R, ggplot2, data management and cleaning, package development, literate programming, and Shiny.
2013	Statistical Methods for Research, <i>Iowa State</i> , TA.
•	Stat 401
2013	Introduction to Business Statistics II, Iowa State, TA. Stat 326
2012	Introduction to Business Statistics II, Iowa State, TA. Stat 326
2011	Statistical Methods for Research, <i>Iowa State</i> , TA. Stat 401
2011	Empirical Methods for Computer Science , <i>Iowa State</i> , TA. Stat 430
	Mentoring and Advising
2018	Miranda Tilton, Statistics, Ph.D Footwear Class Characteristics and Computer Vision. Completed MS (Spring 2019).
2019	Jason Seo, Computer Science and Statistics, Undergraduate Research. R package for visualization of neural networks using the python library keras-vis.
2019	Jenny Ha , <i>Computer Science</i> , Undergraduate Research. Database design for storing bullet scans and intermediate analysis products.
2018	Talen Fisher , <i>Computer Engineering</i> , Undergraduate Research. Tools for working with x3p files, database design for storing bullet scans and intermediate analysis products.
2018	Ben Wonderlin and Jenny Kim , <i>Young Engineers and Scientists</i> , Summer 2018. Footwear Class Characteristics and Computer Vision
	Service
2019	Gertrude Cox Scholarship Committee Member, ASA.
2017 2019	Graphics Section Representative to the Council of Sections, ASA.