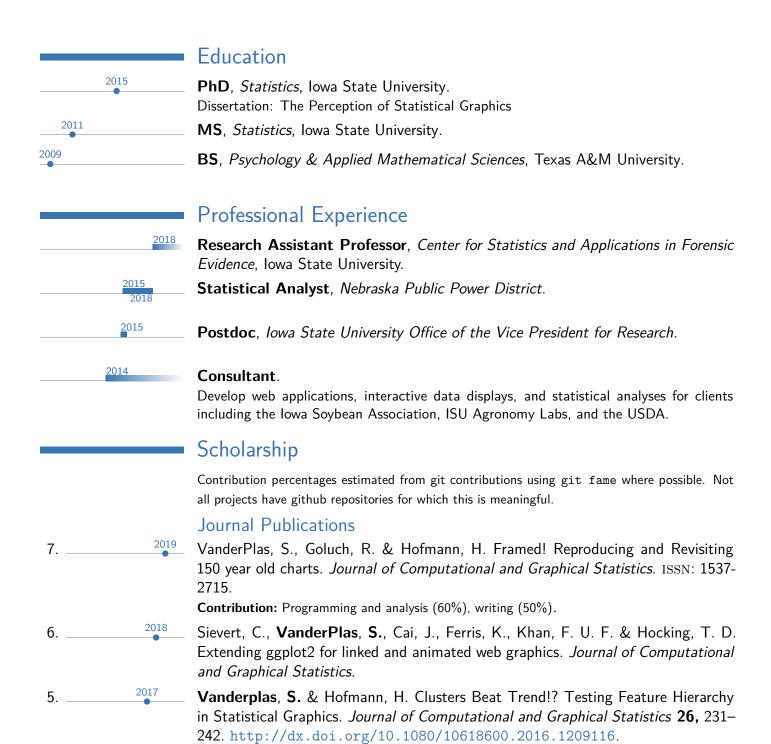
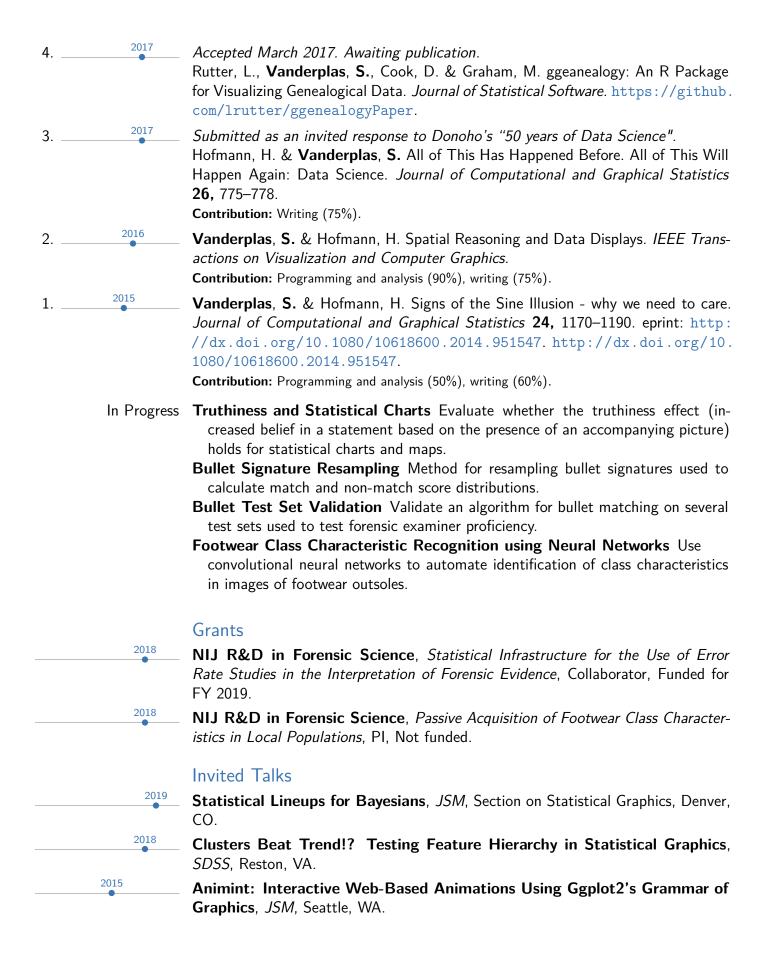
## Susan Vanderplas

Curriculum Vitae

801 Onyx Cir Ames, IA 50010 ⑤ 515-509-6613 ⋈ srvander@iastate.edu ⑥ srvanderplas



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



2014	The curse of three dimensions: Why your brain is lying to you, JSM, 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, JSM, Chicago, IL.
2015	Visual Aptitude and Statistical Graphics, InfoVis, Chicago, IL.
2015	<b>Animint:</b> Interactive, Web-Ready Graphics with R, Great Plains R User Group, 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 2015	animint, animated, interactive web graphics for R using d3.js.
	Teaching
2017 2018	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.
2014	R Workshops, Iowa State. Introduction to R, ggplot2, data management and cleaning, package development, literate
2013	programming, and Shiny.
	R Workshops, Iowa State. 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, <i>Iowa State</i> , TA. Stat 326
2011	Statistical Methods for Research, <i>Iowa State</i> , TA. Stat 401
2011	<b>Empirical Methods for Computer Science</b> , <i>Iowa State</i> , TA. Stat 430
	Mentoring and Advising
2018	Miranda Tilton, Statistics, MS Creative Component. Footwear Class Characteristics and Computer Vision
2019	Jason Seo, Computer Science and Statistics, Undergraduate Research. R package for visualization of neural networks using the python library keras-vis.
2019	<b>Jenny Ha</b> , <i>Computer Science</i> , Undergraduate Research.  Database design for storing bullet scans and intermediate analysis products.
2018	<b>Talen Fisher</b> , <i>Computer Engineering</i> , Undergraduate Research.  Tools for working with x3p files, database design for storing bullet scans and intermediate analysis products.
2018	<b>Ben Wonderlin and Jenny Kim</b> , <i>Young Engineers and Scientists</i> , Summer 2018. Footwear Class Characteristics and Computer Vision
	Service
2017 2019	Graphics Section Representative to the Council of Sections, ASA.