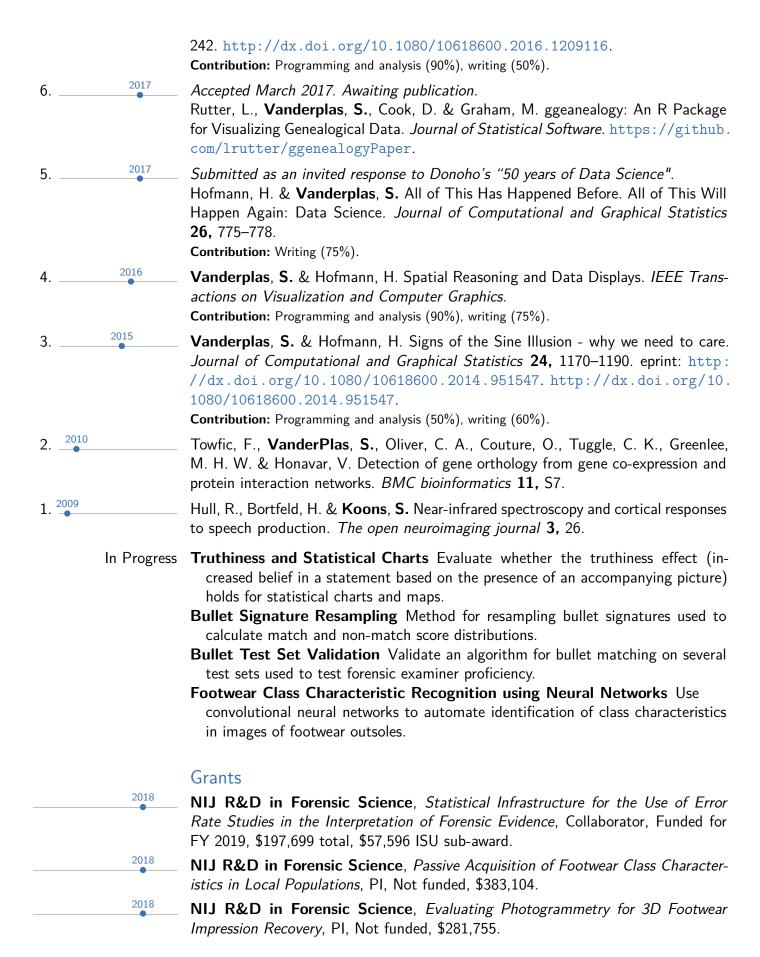
Susan Vanderplas

Curriculum Vitae

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Vanderplas, **S.** & Hofmann, H. Clusters Beat Trend!? Testing Feature Hierarchy in Statistical Graphics. *Journal of Computational and Graphical Statistics* **26**, 231–



| | Invited Talks |
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| 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, 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 | 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. |

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 2018 | Business Intelligence Embedded Agent Program, Nebraska Public Power District. |
| 2017 | 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 R Workshop, Nebraska Public Power District. 3-day internal course on using R for data analysis. |
| 2013 | R Workshops, Iowa State. |
| 2011 | 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. |
| 2012 | Stat 326 |
| • | 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 | Empirical Methods for Computer Science , <i>Iowa State</i> , TA. Stat 430 |
| | Mentoring and Advising |
| 2018 | Miranda Tilton , <i>Statistics</i> , MS Creative Component. Footwear Class Characteristics and Computer Vision. Expected graduation: 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 |
| 2018 | analysis products. Ben Wonderlin and Jenny Kim , <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. |