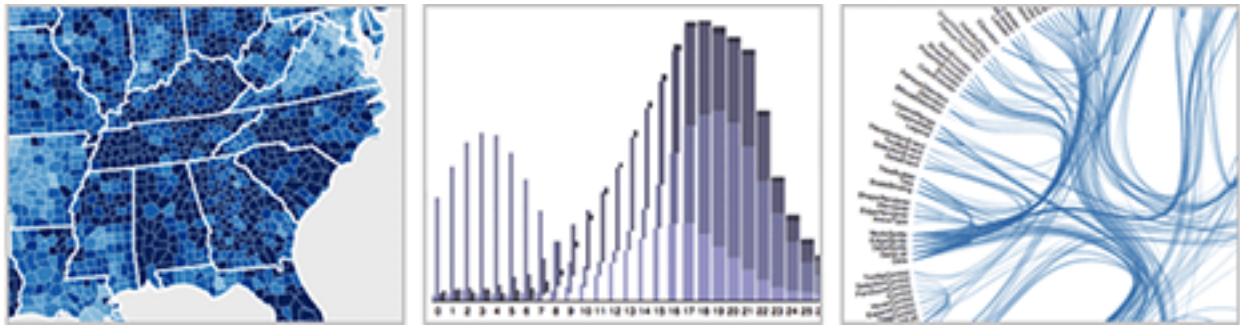


UW Interactive Data Lab VISUALIZATION + ANALYSIS

OUR MISSION is to enhance our ability to **understand and communicate data** through the design of new **interactive systems** for visualization and analysis.



EXAMPLE PROJECTS

Visualization Tools

D3.js (Data-Driven Documents, <http://d3.js.org>) is the *de facto standard* for web-based data visualization. It is used by thousands of developers across the tech industry, journalism (e.g., The New York Times) and academia. It is currently the 4th most popular project on GitHub.com, the world's leading open source sharing site.

Interactive Data Transformation

Data Wrangler (<http://vis.stanford.edu/wrangler>) presents a novel approach to authoring scalable data transformations: *predictive interaction*. Users select visualized features of data; the system then automatically recommends and previews possible transforms. This work led to the founding of *Trifacta Inc.* (<http://trifacta.com>), a startup based in San Francisco with 50+ employees and over \$40M in venture funding.

Interactive Language Technologies

We develop new text analysis techniques that combine machine learning and visualization to understand massive text corpora. Our *Predictive Translation Memory* system is the first to effectively combine human and machine language translation to simultaneously increase translation quality and enable real-time learning in which machine translation methods improve on-the-fly in response to human corrections.

FACULTY

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