

Benjamin Tanen

ben.tanen@gmail.com • (203) 561-4782 • www.ben-tanen.com

Skills	Technical: JavaScript (D3.js, Node), R (Shiny, tidyverse, ggplot), Python (pandas), SQL (including BigQuery), Tableau, HTML5, CSS3, Adobe Photoshop/Illustrator, Excel / VBA, SAS, Git Analytical: Visualization (for dashboards or custom storytelling), data extraction and cleaning (ETL), clustering, outlier detection, regression, classification, optimization Interpersonal: Team leadership and management, mentoring, research, critical thinking
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Work Experience	Data Scientist + Visualization Specialist , Spotify (Remote) May 2021 – Present <ul style="list-style-type: none">Developing custom visualizations and dashboards to help content and business stakeholders assess the strength and performance of Spotify’s podcast studiosAutomating tools and processes to help data scientists and non-technical stakeholders create clear and presentation-ready visualizations Senior Analyst , Analysis Group (Boston, MA) Jun 2016 – Aug 2016, Aug 2017 – May 2021 <ul style="list-style-type: none">Conduct quantitative and qualitative analyses and create custom visualizations and dashboards using large heterogeneous data in R, SQL, and Python to help clients better understand and use their data for cases involving health economics, opioid distribution, and mobile app ecosystemsLead teams of analysts, associates, and interns through analytical and research projects, working on a variety of workstreams in parallel while under tight deadlinesSynthesize statistical findings and technical results into summaries and visualizations to present these along with actionable business-centric insights to internal teams and external clientsMentor new and tenured analysts and associates through analytical and technical issues, communication with senior staff, and communication to clients Select projects: <ul style="list-style-type: none">Developed interactive dashboards that enabled users to easily visualize and analyze prescribing trends for millions of drugs and physicians, saving consultants and clients hundreds of hoursDesigned statistical models for pharmaceutical drug distributors to monitor millions of transactions and identify and report suspicious ordering of opioids and other controlled substancesScraped and analyzed data on thousands of inmates detained during the COVID-19 pandemic to identify unsafe imprisonment practices for inmates and the general public health Election Data Fellow , Data 2 The People (Remote) September 2020 – November 2020 <ul style="list-style-type: none">Used web scraping, statistical experiment design (A/B testing), and voter modeling to help campaigns expand voter outreach, optimize campaign messaging, and better use campaign fundsCreated a custom web dashboard for users to analyze and identify promising state legislature candidates, which subsequently helped candidates raise over \$500,000
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Projects	Freelance Data and Graphic Journalist June 2021 – Present <ul style="list-style-type: none">Collaborated with teams from The Markup on custom interactive graphics for stories on racial bias in the mortgage industry and anti-competitive practices from Amazon Visualizations and Analyses on ben-tanen.com October 2014 – Present <ul style="list-style-type: none">Created over 30 independent visualization and analysis projects to take insights and tell stories from a variety of political, music, media, and sports data, including:<ul style="list-style-type: none">Generated and visually compared custom Spotify playlists using k-means clusteringAssessed the accuracy of IBM Watson’s fantasy football predictionsVisualized how a congressional bill <i>doesn't</i> become a law (inspired by Schoolhouse Rock)
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Education	Tufts University - School of Engineering (Medford, MA) September 2013 - May 2017 Bachelor of Science in <i>Computer Science (Engineering)</i> Minors in <i>Mathematics</i> and <i>Engineering Management</i> GPA: 3.81 / 4.0, <i>summa cum laude</i>
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Interests	Soul Music + Vinyl, Cooking Spicy Foods, Hockey, Filmmaking, Generative Art, Law & Politics
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