



Robert Wiederstein

DEVELOPER • PROGRAMMER • ANALYST

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Summary

I have been programming in R for the past seven years. My experiences and interests are diverse, detailed in my **blog** and maintained in my GitHub **repository**. I enjoy traveling, reading, playing guitar and cooking family meals.

Education

Hanover College

B.A. ECONOMICS

Hanover, Indiana

1986–1990

Indiana University

J.D. LAW

Indianapolis, Indiana

1990–1993

Work

Self-study

DEVELOPER

Evansville, Indiana

2020–2022

- Transformed missing, corrupt, and raw data from a variety of sources and formats into tidy data suitable for analyzing, modelling and forecasting.
- Developed intuitive, interactive applications in R with an emphasis on exploration and visualization of data, often joined with geographic features.
- Worked primarily with government-generated open data but also scraped web-pages, parsed electronically stored documents (pdf tables) and utilized APIs.
- Deployed applications in platform-agnostic containers to minimize dependencies and foster portability.
- Incorporated the principles of reproducibility so that the data and code could be audited, was transparent and was, ultimately, trustworthy.
- Executed projects with awareness of overall regulatory concerns like data licensing requirements, web-crawling and throttling restrictions, protection of personally identifiable information, and requirements of open meeting/records acts.
- Structured projects adopting best practices in scientific computing like modularizing code, optimizing for performance, unit-testing, version control and issue tracking.

Kentucky General Assembly

STATE REPRESENTATIVE

Frankfort, Kentucky

2018–2020

- Focused on the areas of government regulation and accountability; healthcare, and technology.
- Primary sponsor and author for creation of Office of Accountability within the Office of State Budget. Office was to regularly compute return on investment using outside evaluators for major state programs.
- Primary sponsor and author for the creation of an all-payor claims database; creation of a committee to evaluate the costs and outcomes of Neonatal Intensive Care Units; and creation of a committee for the improvement of radiographic diagnostics and interpretation.
- Primary sponsor and author for the creation of a Kentucky open data portal and adoption of a uniform machine-readable format for public data.

Court of Justice

DISTRICT JUDGE

Henderson, Kentucky

1999–2017

- Promoted the allocation of community resources to impact recidivism and violence reduction, focussing on youth. Supported proven, cost-effective programming like restorative justice, mentoring, juvenile drug courts and cognitive behavioral therapy.

Skills

Proficient in:

R, RSTUDIO, RMARKDOWN

Familiar with:

BOOTSTRAP, CSS, HTML, BASH, GITHUB, YAML, MAKE

Exposed to:

JSON, JQUERY, SQL

Reliant upon:

TIDYVERSE, TIDYMODELS, SHINY, LEAFLET, GOLEM, DT, SF

Application Software

- 2022 **buildingBlocks:** In production
A dashboard of significant childhood development milestones with an emphasis on the role of high quality childcare, pre-k, and health on future educational outcomes. Data sources include the Internal Revenue Service, Bureau of Labor Statistics and the Indiana Department of Education. US Census Bureau GIS data were also included for county and school district boundaries.
- 2022 **econdash:** In production
A dashboard of significant economic indicators from the U.S. Federal Reserve, International Monetary Fund, and the Organization For Economic Cooperation and Development.
- 2022 **sarasota:** Developer/author
A dashboard on Sarasota County residential real estate prices including both condominiums and single family homes.
- 2021 **retirementDash:** Developer/author
A dashboard of retirement locations filtered by health, environment, housing affordability, and demographic criteria. An inter-county migration dataset was also included.
- 2021 **retirementData:** Developer/author
The dataset provides demographic, economic, environmental, and health data by county to determine retirement location. All United States counties are included.
- 2021 **KeyWestMopeds:** Developer/author
The package explores motorcycle crash data from 2012 through 2021 furnished via the Florida Highway Safety and Motor Vehicle Department through its open data portal.

Publications

1. Wiederstein, R. (2016). The murder of jack ranier and the election of john palmore. *Ky. Bench & Bar*.
2. Wiederstein, R. (2013). Juvenile justice reform: More bang for the buck. *77 Ky. Bench & Bar* 11.
3. Wiederstein, R. (2006). Guardianship for disabled persons: A practical guide. *70 Ky. Bench & Bar* 18.
4. Wiederstein, R. (2006). Firm hearings and trial dates: A partial answer to reducing delay in the courts. *67 Ky. Bench & Bar* 15.
5. Wiederstein, R. (1992). California and unitary taxation: The continuuing saga. *3 Ind. Int'l & Comp. L. Rev.* 135.

Packages Used

1. Wiederstein, R. (2022). *myCV: A package that generates a CV*.
2. O'Hara-Wild, M, & Hyndman, R. (2021). *Vitae: Curriculum vitae for r markdown*. <https://CRAN.R-project.org/package=vitae>
3. Müller, K, & Wickham, H. (2022). *Tibble: Simple data frames*. <https://CRAN.R-project.org/package=tibble>
4. Hester, J, & Bryan, J. (2022). *Glue: Interpreted string literals*. <https://CRAN.R-project.org/package=glue>