

Ravi Solter

Data Scientist

✉ ravisolter@gmail.com
🏠 <http://rsolter.github.io/>
🌐 github.com/rsolter
in [/in/rsolter](https://www.linkedin.com/in/rsolter)
📍 Washington, DC
☎ 217.778.3542

Skills

📖 Languages

R, Python, SQL, SAS

📖 Libraries

pandas, scikit-learn, numpy,
selenium, caret, tidyverse,
ggplot2, prophet

📖 Tools

Tableau, git, Shiny, Spark,
AWS, Hadoop

Education

📖 Online

Python for Data Science and
Machine Learning Bootcamp
(Udemy, 2020)

Data Analysis with Pandas
and Python (Udemy, 2020)

📖 Academic

M.S. in Analytics (2016)
North Carolina State
University

B.S. in Mathematics (2015)
Portland State University

B.S. in Economics (2008)
University of Redlands

Selected Projects

Full portfolio available at <http://rsolter.github.io/>

- **Soccer Match Betting** - Personal project aimed at identifying profitable bets in the Italian soccer league using machine learning algorithms to predict match outcomes using R package *caret* and web-scraped data
- **Bottle Shop Inventory Web App** - R Shiny app built with Square API to display live inventory for Portland, OR bottle shop, "Beer Mongers". Allows customers to search available beers and browse by characteristics such as style, price, ABV, and ABU
- **Customer Email Engagement Dashboard** - R Shiny app built with SendGrid API to track customer engagement with emails and reports sent by Rapidan Energy, an energy market and policy consultancy based in Washington, DC

Experience

Marriott International

June 2016 - Present, Bethesda, MD

Senior Manager - Data Science Partner

- Supported reporting and analysis of Marriott Bonvoy, the largest customer loyalty program in the hospitality industry by performing key drivers analysis, creating Tableau dashboards, and performing ad-hoc analysis on tens of millions of customer behavior records
- Led adoption of git by building the teams code library and training junior members in git basics
- Served as scrum master for a team of consultants, analysts, data engineers, and data scientists

Manager - Customer Analytics

- Supported annual goal-setting by creating forecasts of "net promoter" performance for over +6,000 properties and above-property rollups while also accounting for external factors like acquisition, renovation, and changes to measurement methodology
- Built a custom R package, "GSS" to accelerate and automate basic tasks and included parameterized SQL queries, and automated data processing and hypothesis testing
- Regularly collaborated with senior leadership to create ad-hoc Tableau reports addressing strategic objective
- Conducted text mining on tens of thousands of survey responses to identify underlying factors driving guest-reported problems

DataKind DC

2017, Washington, DC

Volunteer Lead

- Led a team in a weekend hackathon aimed at discovering which factors drive disruptions in childrens' foster care journeys. Responsibilities included cleaning datasets, scoping the project's objectives, and guiding a team of 40 volunteers