TINGTING DUAN

DATA SCIENTIST

ABOUT

I am a detail-oriented research analyst and data scientist specializing in presenting data via creative visualization and implementing machine learning solutions. My passion lies in delivering reproducible and scalable analytics workflow.

EXPERIENCE

NASHVILLE SOFTWARE SCHOOL

Apprentice Data Scientist | September 2019 - present

- Nine-month intensive program experiencing data science languages, methodologies, and storytelling.
- Process, explore, and build machine learning models for real-world projects. Skills utilized include Python, R, and SQL.
- R shiny project Hotel Search Now, a hotel meta-search engine that recommends hotels based on customer review and demand prediction.
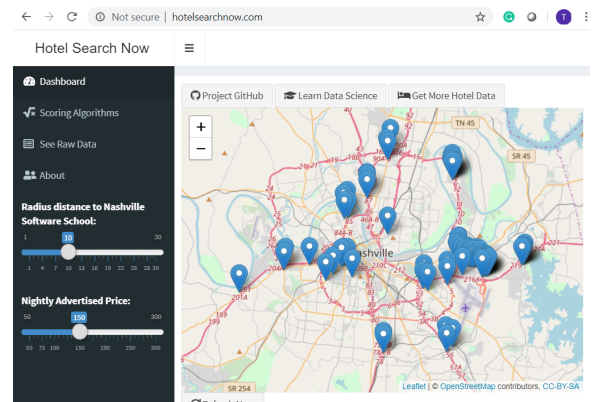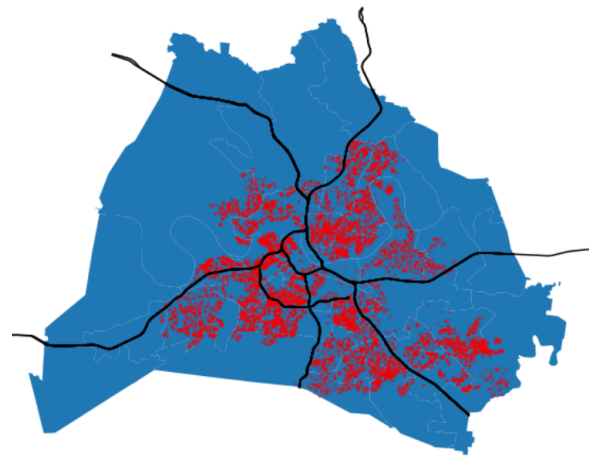
STR

Research Analyst| June 2018 - present

- STR is the leading provider of premium global hotel data benchmarking, analytics and marketplace insights
- Designed a report generator for AM:PM (hotel pipeline) to deduplicate hotel records using Python and Google API, reducing processing time from 2 weeks to 8 hours
- Developed web scrapers to assist data due-diligence using Python and Selenium
- Fully automated Serviced Apartment Composite Comp Set pilot reporting, reducing reporting time from hours to 10 minutes
- Lodging Magazine featured article in March 2019: Duan, Tingting. (2019). US Airport Hotels: Sharp Growth in Demand Contributed to Record-High Occupancy.
- Hotel News Now most-read articles in March 2019: Duan, Tingting & Montgomery, Allison. (2019). 3 trends in hotel compression nights and what they mean.

DELAWARE NORTH GLOBAL HEADQUARTERS

Statistician Intern | May 2017 - August 2017

- Delaware North is a global foodservice and hospitality company headquartered in Buffalo, New York. The company also operates in the lodging, sporting, airport, gaming and entertainment industries.
- Analyzed the impact of Southland Park Gaming and Racing's marketing channels (mail vs. email) on players' redemption rate using logistic regression.
- Scraped players' driving hours from Google Maps using SAS to improve model accuracy.

CONTACT DETAILS

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https://www.linkedin.com/in/tingting-duan/
https://github.com/Tingting0618

AWARDS AND CERTIFICATIONS

SAS CERTIFIED ADVANCED PROGRAMMER
for SAS 9 (AP023997v9), SAS

CERTIFICATION IN HOTEL INDUSTRY ANALYTICS
(999465058), STR

STR
2019 STAR Award (3/300+)

ACADEMIC BACKGROUND

NASHVILLE SOFTWARE SCHOOL

Data Science Bootcamp program

PURDUE UNIVERSITY, WEST LAFAYETTE

- MS Hospitality and Tourism Management (GPA 3.98)
- 2018 Outstanding Master's Student Award
- Graduate Certificate in Applied Statistics, Department of Statistics (GPA 3.95)
- Teaching Assistant, Applied Regression Analysis (Graduate-Level)