NICHOLAS MAI

DATA SCIENTIST

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SUMMARY

Organized, enthusiastic data scientist with an eye for detail, and a strong background in statistics. Passionate about using statistical analysis on large data sets in order to find new insights that strategically drive higher performance. Currently, seeking data scientist opportunities in the tech start-up, e-commerce, or the product marketing field.

SKILLS

PROGRAMMING: R, Python, SQL, STATA, GIT, Microsoft Office, Adobe Suit
FRAMEWORKS: Scikit, Pandas, Seaborn, Matplotlib, Tensorflow, Keras
STATISTICS: Quantitative & Qualitative Analysis, Survey Design, Limesurvey, Amazon Mturk, Regression Analysis
TECHNIQUES: Machine Learning, Data Mining, Data Visualization/Modeling, NLP
SOFT SKILLS: Critical Thinking, Problem Solving, Communication, Technical Writer
INTEREST: Cycling, Photography, Hiking, Cooking

PROJECTS

Ski Resort Ticket Price Analysis
Mar. 2022 - Apr. 2022

Predictive modeling future ticket price based on market indicators.
Tools: Python, Numpy, Pandas, Scikit, OLS, Random Forest.
Results: Proposed a $14 increase in ticket price based on current amenities and/or addition of another ski run with additional $2 ticket price increase.
github.com/nicholas-mai/Big-Mountain-Ski-Resort-Project

Khan Academy User Retention Behavior Analysis
May 2022 - Current

Forecasting user behavior for Khan Academy to increase user retention.
Tools: Python, Numpy, Pandas, Scikit
Results: Work in Progress
github.com/nicholas-mai/capstone-2

EMPLOYMENT

Springboard
Data Science Career Track - Student · Feb. 2022 - Current · Remote

Description: 500+ hours of hands-on course material, with 1:1 industry expert mentor oversight, and completion of 2 in-depth portfolio projects. Mastered skills in Python, SQL, data wrangling, data visualization, hypothesis testing, and machine learning.

Burgundy School of Business
Research Engineer · Jan. 2021 - Dec. 2021 · Paris, France

Developed policy papers and literature reviews on a variety of behavioral economic fields for insights in designing economic experiments. Published policy paper in SSRN electronic journal: Increasing Vaccine Acceptance and Uptake: A Review of the Evidence

EDUCATION

Université de Paris 1 Panthéon-Sorbonne Sept. 2019 - June 2021
M.Sc Economics and Psychology -Mention Bien (Magna Cum Laude)

Designed and implemented a quantitative experiment with 5 behavioral interventions that increased intent and attitude toward the COVID-19 vaccine by up to 53%. Tools: R, STATA, Factor Analysis, OLS, & Tobit Regression

University of British Columbia · Sept. 2014 - May 2019
B.A Economics and Political Science

Investigated large data sets from the World Bank to analyze the relationship between a dual citizenship program and foreign direct investments in Vietnam for economic senior thesis. Tools: STATA, Excel, OLS