LINH-CHI PHAM

cpham2@conncoll.edu | Portfolio | GitHub | LinkedIn

EDUCATION

B.A. Connecticut College | Presidential Scholar — May 2024
Majors: Statistics & Data Science; Quantitative Economics — **Minor**: Computer Science — **GPA** 3.95
Awards: DataFest 2022 Winner; Best Intermediate Macroeconomics Student; Dean's High Honors
Courses: Statistical Computing in R, Statistical Machine Learning, Econometrics, Financial Institutions & Markets

EXPERIENCE

FEDERAL RESERVE BANK OF BOSTON | Research Intern — Summer 2022

- Assisted senior economists and policy advisors in MacroFinance group on commercial real estate lending risks research.
- Computed granular mortgage risk and loan growth metrics at lender-county levels on CoreLogic lien and property data.
- Constructed sub-datasets and statistical reports for analysis of bank/nonbank lenders across property types, lien positions.
- Designed and created static and interactive data visualizations in R to provide insights and inform research decisions.

CONNECTICUT COLLEGE | Research Scholar — Spring - Summer 2022

- Web-scraped and constructed a panel dataset from 200k+ real-time tweets of general users and 26 US news outlets.
- Developed regression models to analyze relationships between inflation tweet count, yield spreads, and stock prices.
- Identified, analyzed Twitter-trending inflation-related topics through sentiment analysis, topic modeling, word networks.
- Built an interactive dashboard with embedded RShiny features to present dynamic visualizations and summarize results.

CONNECTICUT COLLEGE | Statistics & Economics Tutor — Fall 2021- Spring 2022

PROJECTS

HOME EQUITY LOAN DEFAULT RISK CALCULATOR | RStudio, RShiny — Spring 2022

- Trained and cross-validated logistic regression models to predict home equity loan default with 89% accuracy.
- Built an RShiny app with customizable user inputs to classify customers on default risk and automate bank loan decisions.

MACRO TRACKER DASHBOARD | RStudio, flexdashboard — Spring 2022

- Built an interactive dashboard visualizing unemployment claims from 2020 in various categories (industry, wages, etc.).
- Constructed a multivariate dataset using FRED & BLS macro series to explore demand & supply pressures on inflation.

ASA DATAFEST: GAME ANALYSIS & REDESIGN | RStudio — Spring 2022

- Led a team to conduct exploratory analysis on 3m+ obs datasets about the outcomes of a Yale risk-behavior video game.
- Won Best Business Application for a game redesign proposal on reducing misguided and inaccurate biases of players.

PREDICTING HAPPINESS IN TECH | RStudio, RMarkdown — Fall 2021

- Built neural networks and logistic regression models to predict Tech workers' happiness, yielded 88% accuracy.
- Cleaned and transformed variables of a 126-column free-form survey dataset, accumulated observations across years.

SKILLS

Programming: R (Proficient), SQL, Python, Java, Stata
Technologies: RStudio, Jupyter, Git, Tableau, Visual Studio Code, MS Office
Libraries (R): tidyverse, tidytext, dplyr, stringr, shiny, ggplot2, highcharter, plotly, markdown, blogdown
Soft Skills: Collaboration, Taking Initiatives, Communication, Critical Thinking, Creativity, Organization

EXTRA-CURRICULAR

Active Member: Peggotty Investment Club; Data, Information & Society; Rethinking Economics — Fall 2021 -
Organizations: AIESEC in Vietnam; Ams Media (Content Head); Socialet Project (Co-Founder) — 2018 - 2020
Artistic Interests: Piano, Acoustic Guitar, Photography, Creative Design