

## Nicholas Wibert

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### EDUCATION

#### Florida State University

Aug. 2022 – May 2024

M.S. Statistics (4.0 GPA)

Honors: Best First Year Student in Computational Statistics (2022-23)

#### University of Florida

Aug. 2018 – May 2022

B.S. Statistics, B.A. Mathematics

Minor, Computer Science (3.82 GPA)

### SKILLS

- **Programming:** R, Python (numpy, pandas, matplotlib, scikit-learn), C/C++, MATLAB, SAS
- **Data querying/reporting:** Azure Databricks, Microsoft SQL Server, SSRS, Tableau, Teradata, IBM Cognos Analytics
- **Microsoft Office suite:** Excel, Word, PowerPoint
- **Document formatting for code/results:** LaTeX, R Markdown, JupyterLab
- **Operating systems:** Windows, macOS, Linux
- **Version control:** Git and GitHub
- Resourceful + effective-problem solver in ambiguous situations
- Strong written + verbal communicator, diligent code-commenter, active listener

### WORK EXPERIENCE

#### Data Analyst Intern, CNH Industrial

May 2023 – Aug. 2023

- Intern with the North American PLC (Parts Lifecycle) team for a multinational agricultural + construction equipment company
- Tasked with developing a custom tool for tracking and measuring demand forecast accuracy (specifically for brand-new parts) starting only with new parts in North America before expanding tool to all PLC teams worldwide (EMEA, LATAM, APAC)
- Pulled demand data for new parts using IBM Cognos, and performed exploratory data analysis using Python to identify trends and significant factors which influence the first year of demand for a brand new part
- Designed/packaged a custom GUI application using Tkinter which provides massive time savings for pulling/reviewing data versus working directly in IBM Cognos (instantly view all global new parts data vs. waiting 10+ minutes to pull data manually)
- Tool enables PLC teams to track their forecasting performance over time and view recommended parts for review based on several key metrics, and empowers management with more precise measurements of forecast quality and methods to identify problem areas

#### Student Data Analyst, Publix Super Markets

May 2022 – Jul. 2022

- Intern with the Business Analysis & Reporting (BAR) Data Analytics team at a Fortune 100 Retailer tasked with creating an in-house replacement for automated narrative reports on inventory shrinkage (previously provided by outside contractor)
- Used SQL to query/process shrink data and prototyped R script to produce dynamic text narratives which imitated current report, before moving to Python to develop the final reporting process using the ReportLab package
- Worked with retail business units (Grocery, Deli, Bakery, etc.) to identify areas for improvement in shrink reports + implement changes / features based on feedback from management
- Implemented new features to provide more actionable insights than the previous report, including a recommendation system based on a weighted scoring of several key metrics, and new logic to change the tone of the report (positive/neutral/negative) based on the store's performance relative to similar stores by sales volume
- Deployed final script to the cloud as a Databricks notebook which is currently run by Publix every month, generating PDF reports for all 1300+ stores in under 1 hour and saving the company > \$90k per year (annual cost of outsourcing the reports)

#### Database Specialist, Florida Department of Transportation

Mar. 2021 – Present

Honors: Employee of the Month (May '21, Feb. '22, May '23)

- At the State Materials Office in Gainesville, I write queries and create database reports for the FDOT Materials Acceptance and Certification Program ([MAC](#)) using Microsoft SQL Server + Reporting Services to query a database of 1 million+ records
- Wrote a VBA program which leverages the MAC API to upload large quantities of samples/test results to the site at once
- Acted as the sole report-writer in the launch of the Earthwork Records System (ERS), a massive state-wide conversion of all Earthwork data collection/entry from paper to the Internet
- Wrote reports in SQL queries (typically 1000+ lines) to perform complex tasks such as checking for potentially falsified data, various errors in user-defined fields, and other warning signs that may indicate underlying issues with test results or equipment

### ACADEMIC EXPERIENCE

#### Graduate Instructor (FSU Department of Statistics)

Aug. 2023 – Present

#### Graduate Teaching Assistant (FSU Department of Statistics)

Aug. 2022 – May 2023

#### Undergraduate Research Assistant (University of Florida)

Aug. 2021 – May 2022

#### Calculus 1 Learning Assistant (University of Florida)

Aug. 2021 – Dec. 2021