

# Nate Cox | Data Analyst

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Data analyst who enjoys solving problems for companies that seek continuous improvement and growth. Through thoughtful analysis, I embrace challenges that help clients make informed data-driven decisions.

## Skills

**Languages:** Python, SQL, Git, Markdown, JSON, Javascript, Angular, HTML, CSS

**Libraries:** Pandas, NumPy, Scikit-learn (sklearn), Tensorflow, Keras, BeautifulSoup

**Machine Learning:** Linear Regression, Decision Trees, Neural Networks, Natural Language Processing (NLP), Unsupervised Learning

**Data Visualization:** Tableau, Matplotlib, Seaborn, Plotly, StreamLit

**Other:** AWS, PySpark, Google Colab, REST API, Scrum, Agile, GitHub, Excel, Word, Powerpoint

## Experience

**Data Science Immersive** - General Assembly

12/2021 - 03/2022

Completed 25 labs and 6 projects in a 480-hour, full-time professional training to develop and apply skills to solve real-world business problems.

- Analyzed a business's sales data to identify areas where more profits could be generated by using RFM, K-Means clustering, and a XGBoost Regressor. Presented my findings to the owners and delivered an Excel Workbook with my recommendations as well as a Tableau Dashboard. A conservative sample of my recommendations would generate a 2.2% increase in profits.
- Worked with a team of data scientists to identify shelter dogs that were at risk of high adoption wait times. Created a Streamlit app that pulled dogs from the Petfinder API and identified those at risk to give them more exposure to help get adopted.
- Collected data using the Pushshift API and used NLP techniques, such as a TF-IDF Vectorizer. I combined Multinomial Naive Bayes and Logistic Regression models using a voting ensemble that performed 17.6 percentage points higher than the baseline at determining what subreddit a comment came from.

**Data Analyst** - Dale Cox Distributing

02/2021 - 12/2021

- Translate the business problem into a task to perform data analysis
- Acquire the necessary data from databases and provide quality assurance of the data
- Use Python and Pandas to clean the data if necessary
- Analysis on data pertaining to product sales and sale totals per store and territory
- Create reusable programs to easily generate reports
- Create data visualizations using Tableau, Seaborn, and Matplotlib
- Present or report the information and my findings to the business owners

**Machinist** - Kval, Inc.

02/2020 - 01/2021

**Carpenter** - Tomrose Construction

02/2015 - 02/2020

## Education

**General Assembly** - Data Science Immersive

12/2021 - 03/2022

**Scrum Alliance** - Certified ScrumMaster (CSM)

11/2021 - 11/2021

**Udemy** - The Complete SQL Bootcamp 2021: Go From Zero to Hero

11/2021 - 11/2021

**Udemy** - Complete Python Bootcamp From Zero to Hero in Python

10/2021 - 10/2021

**University of California, Santa Cruz** - Computer Science

09/2012 - 09/2014