

OLIVIA MARTIN

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EDUCATION

Northwestern University, Chicago, IL
Masters in Data Science, June 2020 – Present
Data Visualization Certificate, May 2019

Knox College, Galesburg, IL
Bachelors in Biology, May 2015

WORK EXPERIENCE

Northwestern University, Chicago, IL
Research Technologist II, 2017 - Present

- Compiled data for grant applications and progress reports related to customer orders, customer interactions and changes in inventory
- Manage 90% of lab customer requests averaging 20 exchanges related to troubleshooting shipping or biological questions
- Sourced a new online inventory system to revamp storage of materials resulting in easier logging of inventory updates and improving inventory reliability

PROJECT EXPERIENCE

US Older Adults EDA | github.com/oimartin/Older-and-Wiser
Analyst, Summer 2022

- Analyzed trends in US population related to aging adults
- Performed EDA, created visualizations
- Utilized Python, pandas, plotly, canva

SP_500_index_RNN | github.com/oimartin/SP_500_index_RNN
Analyst, Winter 2022

- Analyzed relationship between open, high and low prices of S&P 500 between 2015 - 2019
- Performed EDA, RNN modeling, model comparisons
- Utilized Python, pandas, numpy, keras, plotly

New Mexico Employment | github.com/oimartin/New_Mexico_EDA
Analyst, Winter 2021

- Executed EDA of NM metropolitan statistical areas to evaluate demographic and industry trends
- Performed data cleaning, visualizations creation and data analysis
- Utilized Python, CSV, Jupyter Notebook

Update Users Progress of Order | github.com/dictybase
Intern developer, Spring 2020

- Developed GitHub actions to automate preparation-stage labels added to a DSC user's order
- Designed python script, set up GitHub actions
- Applied Python, PyGithub, pipenv, YAM

Cancer Machine Learning | public.tableau.com/RespiratoryCancerLikelihoodML1
Analyst, Summer 2019

- Analyzed relationship between pollution levels and cancer incidences from EPA and the CDC
- Performed data extraction, loaded sqlite database, created Tableau visualization
- Utilized Python, pandas, numpy, json, flask, sqlalchemy, Tableau

TECHNICAL SKILLS

- Tools: Jupyter Notebook, Colab, Tableau, Git, Bash, Excel 2016, R studio
- Languages: Python: Pandas, numpy | HTML | CSS | YAML | R | GoLang
- Databases: SQL | NoSQL | Cypher