

## Professional Proficiencies

### Data manipulation and presentation with Data Science & Machine Learning with Python

- OOP and data structure basics through to object oriented programming and the built-in functions of python
- Pandas – manipulating dataframes, handling missing data, groupby/merge/join/concatenate operations and data I/O. Filtering and sorting data and creating queries to answer questions and explore relationships.
- Matplotlib, Seaborn – plotting data and customizing graphs (colors, legends, plot/axis size, facet grids, and multiple plots), experimenting with different visualization methods and tools such as Tableau and PowerBi
- Linear and logistic regression, KNN, Study of other modeling methods upcoming

## Professional Experience

### Larry's Giant Subs | Jacksonville, FL 2003 – 2018 | Store Manager, Shift Leader, Part-Time Management

- Provided overall management and supervision of operation of the restaurant not limited to employee managements, training, inventory management and food safety and handling
- Analyzed using Google analytics to identify various segments of customers and developed promotional strategies targeting page viewers segment to increase the customer acquisition rate

### Benzer Pharmacy | Jacksonville, FL 2016 – 2018 | Business Owner, Manager, Pharmacy Technician

- Provided overall management and supervision of operation of the pharmacy not limited to supervision of pharmacist and drug handling procedures and logs
- Demonstrate a complete understanding of compliance in pharmacy by-laws, policies and prescription logs.

## Projects

### Cost of treatment of different patients (EDA & Regression) | November 2018

- An exploratory data analysis of dataset dedicated to cost of treatment depends on many factors. Draw a conclusion about health of patients using regression analysis and distribution charts using multiple libraries with python such as matplotlib, seaborn, pandas, numpy and visualizing data using bokeh. <https://patelmd.github.io/eda.html>

### Googling for health conditions and health risks | January 2019

- How does Google search interest for top health issues change over time? Exploring specific keywords and their trends over time using Google Trends. Finding out if people are becoming more aware of the health conditions now more than before. Understanding why the gradual increase of specific health keywords. [https://patelmd.github.io/Google\\_Health.html](https://patelmd.github.io/Google_Health.html)

### Suicide Rates in India between 2001-2013 | November 2018

- I recently collected data from Kaggle's published dataset. I focused on gaining interpretable insights from data. I used this dataset to understand the ethical implications in data science. I wanted to increase my awareness and understanding of whether my analysis may seemed to discriminate negatively, unintentionally. <https://github.com/patelmd/IndiaSuicideAnalysis>

### US Average Health Care Coverage Cost (EDA of data from 2011) | December 2018

- Dataset obtained from the data.cms.gov website. Dataset is dated from 2011. An exploration and illustration of cost differences around the US and breaking down diagnosis cost. [https://patelmd.github.io/US\\_Average\\_Healthcare\\_Cost.html](https://patelmd.github.io/US_Average_Healthcare_Cost.html)

### Exploring historical stock data of top bank institutes during financial crisis | January 2019

- An EDA of bank stocks and see how they progressed throughout the financial crisis until 2016. Using dataset obtained through Google Finance. An exercise in understanding data analysis in finance domain. [https://patelmd.github.io/EDA\\_Of\\_Stock\\_Prices.html](https://patelmd.github.io/EDA_Of_Stock_Prices.html)

## Education

University of North Florida, May 2008 | **Bachelor of Science, Biology**

Life University, June 2012 | **Doctor of Chiropractic**

New Zealand College of Chiropractic, May 2016 | **Doctor of Chiropractic**

## Technical Skills & Tools

(1) Novice, (2) Intermediate, (3) Proficient

Data Structure & Algorithm (2)

Database Manipulation (2)

Cluster Computer (PySpark)

Visualization (2)

Data Munging (2)

Statistical Methods (2)

Git (2)

Jupyter/PyCharm/Atom (3)

Tableau/PowerBi (2)

Python (2)

SQL (2)

HTML/CSS (2)

Pattern & Trend Identification (2)

Data Analysis (2)

Data Science Research Methods (2)

Google Analytics (2)

Regression Analysis (2)

## Certification

Data Science with Python  
**Weltec Institute, India**  
Data Science & Machine Learning with Python  
**Udemy, Perian Data**  
Django + Flask with Python  
**Udemy, Perian Data**  
SQL & Python Bootcamps  
**Udemy, Perian Data**