

# Navid Mashinchi

Data Scientist

## + Personal Info

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**City**  
Sacramento, CA

**Date of birth**  
16/02/1989

**GitHub**  
https://github.com/navido89

**Portfolio**  
https://www.navidma.com/

**LinkedIn**  
https://linkedin.com/in/navidmashinchi

**Twitter**  
https://twitter.com/NMashinchi

**Medium**  
https://medium.com/@NMashinchi

## + Skills

- Data Science:** Python, R, scikit-learn, Pandas, Numpy, Seaborn, Matplotlib
- Databases:** *SQL, MongoDB*
- Web Development:** JavaScript, HTML 5, CSS3, Bootstrap, Node.JS, Heroku, Jasmine.
- Others:** GitHub, Git, SportsCode, Hudl, SoccerLab, Coach Paint, Sketch.
- Personal Skills:** Disciplined, responsible, highly motivated with the ability to work individually or within a team environment.

## + Languages

English

Native or bilingual proficiency

German

Native or bilingual proficiency

Farsi

Professional working proficiency

## + Blogs

- 12/2020

An Examination of Fatal Force by Police in the US
- 09/2020

Predicting number of Covid19 deaths using Time Series Analysis (ARIMA MODEL)
- 10/2020

The Data Science Process — 8 Steps To A Successful Project

## + Education

- 09/2019 - present

**University of Denver - Master's In Data Science**
  - Anticipated graduation date: August 2020
  - Relevant Courses: DS Mathematics 1 & 2, DS Statistics 1 & 2, Database Organization & Management I, Algorithms, DS Tools 1, Machine Learning.
- 08/2018 - 08/2019

**Bloc - Full Stack Web Development Certification**
  - Modules included:Front-End & Back-End Fundamentals, Front-End Frameworks, Computer Science Fundamentals & Server-Side JS with Node.js.
- 09/2010 - 12/2015

**University of British Columbia - Bachelor Of Commerce**
  - Specialization: Accounting
  - UBC Soccer Scholarship, 2010 - 2015
  - All Canadian Academics, 2011 - 2012

## + Experience

- 11/2020 - present

**Student Ambassador Data Science Master's Program**  
*University of Denver*
  - Speaking to prospective students via phone or in the virtual classroom.
  - Participating in prospective student panel webinars, round tables and PR opportunities.
- 01/2015 - 02/2018

**Performance Analyst**  
*Vancouver Whitecaps FC*
  - Attained the MLS playoffs in 2015, 2017, win the 2015 Amway Canadian Championship and advance to the 2017 Concacaf Champions league semi-final, by providing in depth analytical reports on the opposition to the MLS coaching staff.
  - Led the Analysis department after losing supervisor. Managed the department during the transition phase without a drop-in output, by providing consistent analytical services to the coaching and playing staff.
- 06/2014 - 12/2014

**Performance Analyst Internship**  
*Vancouver Whitecaps FC*
  - Launched the Analysis department's first live stats application for games, by customizing a MS Excel spread sheet that streamed real-time data using Data Streamer add-in to coaching staff's electronic devices.
  - Coordinated department's video database, by filming and organizing training sessions and games.

## + Projects

- 10/2020 - 11/2020

**An Examination of Fatal Force by Police in the US | GitHub**  
*Python | Classification & Multi Classification Problem*
  - Examined the factors that play into the horrible event of a fatal shooting by the police in the US.
  - Cleaned the data that contained of 5700 data points, by using pandas and as feature engineered, 9 out of the total 17 variables type had to be transformed into different types.
  - Predicted the status of mental illness, by implementing a Logistic Regression, SVC, SGD, Decision Tree and Random Forest.
  - Improved the accuracy score by 7% by fine tuning the final model (Random Forest) using RandomizedSearchCV.
- 08/2020 - 09/2020

**Predicting number of Covid19 deaths using Time Series Analysis (ARIMA MODEL) | GitHub**  
*R | Time Series Forecasting Problem*
  - Predicted the number of deaths in the US starting from August 1st – August 21st and August 1st – November 1st.
  - Cleaned the data that was made of 34033 rows and 34 columns, by selecting the US data points.
  - Implemented the differencing technique to make the data stationary in order to conduct a time series analysis.
  - Applied the Augmented Dickey-Fuller Test to make sure the data is stationary and used the ARIMA model to make the projection.
  - Projected 18589 deaths and CNN projected 19000 deaths between August 1st and August 21st.
  - Projected 235967 deaths and CNN projected 231000 deaths between August 1st and November 1. Actual death number according to Worldometer was 236072.
- 02/2020 - 03/2020

**Corona Virus vs Global Stock Market | GitHub**  
*Python | Exploratory Data Analysis Problem*
  - Focused on the overall impact the corona virus has had on the global stock market in the early stages (February - March) of this global pandemic. My role was to focus on the data points in relation to the confirmed Covid19 cases.
  - Cleaned the data set that consisted of 483 rows and 64 columns using the pandas module.
  - Applied matplotlib for data visualization and argparse module for command line arguments and options.
  - Concluded that the virus had a big impact on the global economy by providing visuals that showed how the global economy was impacted by the virus in different regions around the world.