# Armando Saavedra

Data Scientist

## Skills

**Machine Learning** 4+ yrs

**SQL** 4+ yrs.

**Data Visualization** 2+ yrs.

**Web development** 1+ yrs.

**Project Management** 3+ yrs.

## Education

**01/2018 - 12/2019**

**Information Science (M.Sc.)**

University of Arizona

*Data Science* ▪ *Machine Learning*
Capstone Project: "Claim Assessment using Predictive Models".

**01/2008 - 12/2012**

**Economics (B.Sc.)**

Catholic University of Colombia

*Econometrics* ▪ *Finance*
Bachelor's thesis: "Predicting price in male cattle premiums using an ARIMA model".

## Contact

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## Biography

Data Scientist and economist with experience designing and applying quantitative algorithms to predict or classify different sorts of information. The methods applied in my portfolio are: time series analysis, neural networks, knn clustering, multinomial logistic regression. I also have experience using Python, Rstudio and SQL.

## Work experience

**Advanced Research Analyst** **12/2019 - 12/2021**
Strategic Research Office
Pima Community College, Tucson, AZ

Detailed Achievements:
* Machine learning implementation to predict academic behavior.
* Prepare reports about institutional performance.
* Facilitating Python training for office team.
* Spatial data analysis using GIS in R and Python.
* Dashboard implementation with Power BI and R.

**Junior Economist** **08/2011 - 01/2014**
Office of Economic Research
FEDEGAN, Bogota, Colombia

Detailed Achievements:
Use of time series analysis to predict monthly price in male cattle premiums. Where the follow methods were applied:
*Autoregressive Models -VAR
*AutoRegressive Integrated Moving Average -ARIMA
Structured a methodological framework for transferring production knowledge to different cattle associations.

**Financial Assistant** **05/2010 - 08/2011**
Operations
BCSC, Bogota, Colombia

My responsibilities included:
* Teller operations
* Selling Financial Products
* Customer Service

## Projects

**Training Intern Mentorship program** **2021**
Strategic Research Office
Pima Community College

I created two classification programs and explained their real-life applications to a high school student I was mentoring.

**Training Machine Learning applications using Python** **2021**
Strategic Research Office
Pima Community College

As part of my annual professional development, I created a training session about machine learning implementation focused on classification. To reach the goal, I applied two supervised ML models, a support vector machine, and Logistic Regression Model.