

Mario Becerra-Contreras Applied mathematician – Data Scientist – Computer Scientist Location: Mexico City		Cell phone: + 52 1 (55) 1513-0162 Email: mbecerracontreras@gmail.com Github: https://github.com/mariobecerra Webpage: http://mariobecerra.com LinkedIn: http://linkedin.com/in/mbecerrac
My main interests are data analysis, data visualization, statistical modeling and machine learning.		
SKILLS	Statistics, Machine Learning and Data Mining Data visualization, GLMs, Bayesian statistics, spatial statistics, A/B testing, supervised learning, recommender systems, market basket analysis, artificial neural networks, deep learning, random forests	
	Programming languages and other technologies R, Python, SQL, Apache Impala, Apache Hive, Keras	
	Other Constrained and unconstrained numerical optimization, analysis of algorithms	
	Languages Spanish: Native English: Native-like competence and accent French: Basic	
EMPLOYMENT	Data scientist at Banco Azteca (Full time) <i>October 2018 - Present day</i> Analyze data for the marketing and CRM teams of the bank. <ul style="list-style-type: none"> • Campaign analysis and A/B testing. • Predictions of future bank transactions. • Visualization and analysis of large customer data sets. 	
	Data scientist at Business Data Evolution (Full time) <i>September 2017 – September 2018</i> Developed models both for prediction and for inferential analysis in data science consulting company. <ul style="list-style-type: none"> • Performed statistical analysis, exploratory data analysis and developed models in R. • Created data visualization dashboards using Rstudio's Shiny. • Analysis of predictive models using Individual Conditional Expectation (ICE) and variable interaction quantification. • Deployed final predictive models in Microsoft Azure VM and Azure Machine Learning. • Developed Bayesian predictive model for small black and white documents belonging to 4 classes. • Developed a Bayesian time series demand prediction model for a national grocery store. • Met with clients to understand their problems and needs. • Presented results to non-technical audiences. 	
	Data scientist at CAD Salud (Full time) <i>May 2016 - June 2017</i> Built predictive and inferential statistical models for health projects. <ul style="list-style-type: none"> • Performed statistical analysis, exploratory data analysis and developed models in R. • Created data visualization dashboards using Rstudio's Shiny. • Created simple predictive model for potential diabetes patients in public hospitals. • Generated spatial mathematical model for vaccines demand in public hospitals in Mexico. • Aided in the creation of multivariate index to rank public hospitals. 	
	Data Scientist at Grupo Salinas (Full time) <i>October 2015 - May 2016</i> Designed and built statistical and machine learning models for predictive and inferential analysis in market research. <ul style="list-style-type: none"> • Performed statistical analysis, exploratory data analysis and developed models in R. • Created data visualization dashboards using Rstudio's Shiny. • Aided in creation of predictive model of loan origination clients in a Mexican bank. 	
	Data analyst at Computer Research and Analysis Laboratory, ITAM (Part time) <i>June 2014 – June 2015</i> Machine learning application in Natural Language Processing for automation in news classification for media monitoring company. <ul style="list-style-type: none"> • Cleansed news articles data for modeling, mainly using R. • Created different predictive models for automatic news classification in Python using Scikit Learn. 	
Master of Science - Computer Science, 2017		

Instituto Tecnológico Autónomo de México (ITAM), Mexico City
Took elective courses from the Data Science master program.

Bachelor of Science - Applied Mathematics, 2015

Instituto Tecnológico Autónomo de México (ITAM), Mexico City
Took elective courses from statistics, computer science and finance fields.