

Mario Humberto Becerra Contreras

Curriculum vitae

CONTACT

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ABOUT ME

I am an active, open, flexible and versatile worker. I have leadership and teamwork skills, and I can adapt to functions I have no previous experience in. I am, in general, a responsible, honest, disciplined and engaged person who likes things well done.

I enjoy solving problems in an analytical and logical way; and, especially, using data in order to obtain useful information that, at first hand, may not be obvious or intuitive.

WORK EXPERIENCE

OCTOBER 2015 - PRESENT DAY

R&D Analyst

MetronHomo, Grupo Salinas

Market research consulting projects involving data mining, statistics and machine learning.

JUNE 2015 - AUGUST 2015

Junior Analyst

Revenue Management, Best Day

Summer project involving customer analysis and market segmentation using multivariate statistics techniques.

JUNE 2014 - JUNE 2015

Data Mining, NLP, data analysis

Computer Research and Analysis Laboratory, ITAM

Machine learning, data mining and statistics application in Natural Language Processing for automation in news consultation for media monitoring company. In particular, Named Entity Recognition, news classification and sentiment analysis.

EDUCATION

2015

Instituto Tecnológico Autónomo de México (ITAM)
Applied Mathematics B.Sc.

Elective courses from statistics, computer science and finance fields. Took 5 out of 10 electives from the Data Science M.Sc. program.

PRESENT DAY

Instituto Tecnológico Autónomo de México (ITAM)
Computer Science M.Sc.

Expected completion: May 2017.

SKILLS

Programming and computers

R, MATLAB, SQL, Python, SPSS, \LaTeX , Java, Visual Basic, Linux, Bash, C#, Github, Microsoft Visual Studio, Microsoft Excel

Statistics

Linear regression, model validation, Generalized Linear Models, multivariate statistics, principal component analysis, correspondence analysis, geostatistics/spatial statistics, simulation, Bayesian networks, Bayesian statistics, Hidden Markov Models, clustering

Machine Learning

Random Forest, Extra Trees, neural networks, support vector machines, recommender systems, market basket analysis

Finance

Interest rates, financial derivatives, fixed income products, structured finance, Bloomberg terminal

Other

Data Mining, Natural Language Processing, image processing, text mining, linear programming and optimization, business intelligence, social network analysis

LANGUAGES

SPANISH Native

ENGLISH Highly fluent, almost native