ALFONSO TOBAR

🔖 CIVIL ENGINEER / DATA SCIENTIST

I am a Civil Engineer with a strong technical background working initially in Hydraulics moving later on to Data Science.

Within this area, I started at more traditional analytics such as getting involved into EDA, Text Mining Projects, developing Business Inteligence tools such as Interative Reports and Dashboards to finally be dedicated into one of my passions, developing Machine Learning Models. I had the opportunity to work in the Bank Industry as well as the Retail industry, working for Risks and Marketing Departments covering almost every topic on the Data Science Field.

My main skills cover proficient programming skills in R and Python, english fluency as a second language, self-learning motivation being always up-to-date, knowledge sharing spirit and the passion to always deliver the highest quality work to satisfy my stakeholders needs.

🎓 EDUCATION

2013

Federico Santa María Technical University
Civil Engineering. 📍 Valparaiso, Chile

Thesis: Stochastic Finite Element Models's Uncertainty Quantification by using Convolutional Networks.

2015

Data Scientist Program by SENCE
Data Scientist Graduate. 📍 Viña del Mar, Chile

2019

Valparaiso Pontifical Catholic University
Predictive Modeling and Machine Learning Diploma.
📍 Viña del Mar, Chile

💼 PROFESSIONAL EXPERIENCE

**2019
|
2020**

Senior Data Scientist
Advanced Analytics Department. 📍 Cencosud Scotiabank

- Development of Predictive and Propensity Sales Models.
- Development of Collaborative Filtering Models.
- Development of Clustering Models.

Model Development in Python such as:

- Linear Models: Logistic Regression, SVM.
- Ensamble Models: Random Forest, Extra Trees, LightGBM, XGBoost.
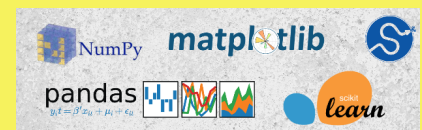- Recommender Engines: implicit, lightFM.

CONTACT INFO

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in "alfonso-tobar-arancibia-788b0868"

○ github.com/Rcubes

📞 +56 9 95551157

SKILLS

® Advanced R Developer:
18 Datacamp Certifications

🐍 Advanced Python:
37 Datacamp Certifications
Machine Learning Scientist
Machine Learning Fundamentals

📊 Advanced Tableau Developer
🗄 Advanced SQL User
🅧 VBA Basic Level

AWARDS

👤 Back-to-back Best DSP Trainer
⚙ Employee Performance Award

2015 | 2019

Senior Business Analyst
Data Analyst for the 3rd Major Bank in the US. 📍 Evalueserve Chile

- Development and Automation of Compliance Reports.
- Data Process Automation.
- Development of Calculation Engines.
- Design and Maintenence of Dashboards.

2014 | 2015

Production Analyst Elqui
Analyst for Drinking Water Services. 📍 Aguas del Valle

- Production Metrics Reporting.
- In charge of Decision-Making process to tackle drought issues.

2013

Project Engineer
Project Engineer for Rural Drinking Water Projects. 📍 INVAR S.A

- Piping Network Design.
- Water Demand Estimation.
- Tank and Pumping System Design.
- Blueprint Generation.

👥 TEACHING EXPERIENCE

2020

Data Science Bootcamp
Data Science Instructor 📍 Academia Desafío LATAM

- Online Classes for Introduction to Python, Data Science Fundamentals and Machine Learning modules.

2016 | 2019

Data Scientist Program
R Module Lead. 📍 Evalueserve Chile

- In charge of Developing Program Syllabus.
- Teaching the following classes:

- Intro to R.
- Intro to Tidyverse.
- Data Wrangling.
- Data Reporting in R.
- Advance R Programming.
- Modeling and Machine Learning.

2017 | 2019

Data Scientist Program
Tableau Instructor. 📍 Evalueserve Chile

- Intro to Tableau.
- Basic Charts.
- Non Standard Charts.
- LOD.
- Tableau Advanced Tricks.

2018

Data Scientist Program
SQL Instructor. 📍 Evalueserve Chile

- Intro to SQL.
- Basic Queries.
- Aggregate Functions.
- Sub - Queries.

2006 | 2013

Federico Santa María Technical University
Teaching Assistant. 📍 Valparaiso, Chile

- Calculus I.
- Calculus II.
- Calculus IV.