

Irina Elena Barbu

Data Scientist

+9710558009436
barbuirina19@yahoo.com
[ae.linkedin.com/in/irinabarbu90](https://www.linkedin.com/in/irinabarbu90)

Objective

Dynamic data scientist seeking opportunity to work in a fast growing environment with a great team, where my analytical skills will be of great value in achieving company's missions and goals

Research interests

Data mining, machine learning, statistical modeling, business analytics and domain knowledge.

Experience

July 2014 - present

Data Scientist

Clariba Consultancy, DUBAI

Customer
Project
Technologies
Summary&Core
Achievements

Du Mobile

POC-Social Network Analysis and Churn analysis

SAP InfiniteInsight, Teradata

- Collecting and aggregating data in Teradata
- Building Social Graphs from transactional data using SAP InfiniteInsight
- Ability to interpret results and story-telling with data
- Leading a presentation to the business users both technical and business oriented
- Creativity in developing insightful presentations

Research

Healthcare - Predicting patients LOS during the following year
(Machine learning competition sponsored by Heritage Provider
Network, found on www.kaggle.com)

Achievements

- Building classification and regression trees models using R
- Methods of boosting models and testing models accuracy

Customer
Project
Technologies

DP World, Terminal 3

Creating reports and mobile dashboards

SAP Xcelsius Dashboards, SAP Web Intelligence

March 2014- July 2014

Customer
Project
Technologies
Summary&Core
Achievements

Data Scientist Internship

Clariba Consultancy

Vodafone Romania

POC - Social Network Analysis and IVR Analysis

SAP InfiniteInsight, Oracle Database

- Collecting data from multiple sources
- Analysis and data modeling with PL/SQL
- Building Social graphs from CDR traffic data using SAP InfiniteInsight
- Creating presentations by focusing on the business information to be displayed to customers

Software/Programming skills

Languages
Analysis Tools

SQL Server Management Studio, Oracle 11g , R, MATLAB

- SAP Xcelsius Dashboards
- SAP Web Intelligence
- SAP Lumira
- SAP InfiniteInsight

Databases

MS SQL Server, MySQL, Oracle 11g, Teradata

Machine Learning
Algorithms used

- Classification and regression trees (CART)
- Random forest
- Social Network Analysis
- K-means clustering
- Forecast analysis
- Recommendation analysis

Education

October 2012- June 2014

M.S. in Statistics, *University of Bucharest*

- Research areas: Stochastic Calculus, Risk Theory, Forecasting, Data modeling
- Thesis : "Mixed-Integer Non-Linear Programming"

October 2009- June 2012

B.S. in Mathematics, *University of Bucharest*

- Research areas : Linear Algebra, Probability, Linear Programming, Statistics
- Thesis: "Polynomial Interpolations"

Trainings and Certifications

June 2014

SAP InfiniteInsight training

SAP,

August 2014

SAP BusinessObjects XI BootCamp training

Clariba, Dubai