

Raouf Lamari

Address: ST Ubadah Ibn Alsamit, Rawdah, Riyadh

Mobile: +966 50 233 4024

Birth Date: 06/07/1980

Nationality: Tunisia

Email: raouf.lamari@gmail.com

Highlights

- ✓ **10-plus-years experience in statistics and data analysis**
- ✓ **Experience in building and applying machine learning and predictive modeling techniques**
- ✓ **Experience in Big Data analytics**
- ✓ **Experience with Python, R and SAS**
- ✓ **Experience with NoSQL databases**
- ✓ **Experience with SQL Query**

Skills

- Search & Analytics
- Data Cleaning
- Data Visualization
- Multivariate Regression
- Clustering
- Classification
- Anomaly detection
- Dimensionality Reduction
- Time series forecasting
- Survey Analysis
- ETL
- Working in large-scale data manipulation and analysis
- Capable of coding using different languages
- Analytical & problem solving skills
- Ability to work independently

Professional experience

Senior Statistician Data Analyst

National Agency for Computer Security, Tunisia

June 2013 – September 2017

- Project Lead “ Design and implement correlation framework that analyzes security alerts produced by multiples intrusion detection systems and provides a high-level of occurring or attempted attacks ”:
 - Defined security alerts correlation processes: Normalization, fusion, classification.
 - Compared open-source IP reputation databases using spearman rank correlation.
 - Implemented ETL to load security alerts data from multiples sources (IDS logs, honeynet logs) into HDFS and HBase.
 - Implemented scripts to normalize and merge collected data.
 - Implemented ETL to export data from HBase to MySQL.
 - Indexed security alerts data.
 - Analyzed the pattern of relationships of security alerts dependent variables.
 - Performed analysis to find groups in security events data.
 - Implemented a classifier to recognize attacks.
- Administer Hadoop using Cloudera Manager.
- Manipulate and extract data from Hadoop.
- Analyze data with Hadoop using RImpala and RHadoop packages.
- Create dynamic search dashboards using Cloudera Search.
- Create security alerts reports.
- Developed a tool for automatic analysis of Cuckoo Sandbox malware behavior, including clustering and classification of behavior.
- Create malware reports

Quality Manager

National Agency for Computer Security, Tunisia

September 2012 – December 2013

- Formulated pertaining to QA/QC ISO 9001 with assistance of external consultant.
- Conducted meetings with management staff to define quality processes and procedures.
- Formulated quality procedures in conjunction with operation staff.
- Defined quality KPI.

Statistician Data Analyst

National Agency for Computer Security, Tunisia

June 2008 – Mai 2013

- Created security alerts reports with trend analysis on daily, weekly and monthly basis.
- Implemented ETL to load security alerts data from remote MySQL databases.
- Manipulated and analyzed large web server logs using SAS.
- Performed K-Means analysis to find groups of web resources, extracted from web server logs, and identify those representing safe HTTP requests.
- Integrated R with PHP to predict traffic size using Holt-Winters exponential smoothing.
- Conducted customer satisfaction surveys.
- Prepared technical report of information security survey.
- Calculated information security survey sample size.
- Performed Multiple Correspondence Analysis to analyze the pattern of relationships of companies dependent variables.
- Made stratified sampling of companies by number of employees and activity area.
- Designed information security survey questionnaire.
- Designed data entry applications with CSPro.
- Prepared statistical tables, charts and graphs for use in presentations.

- Attended to requests for data and statistical assistance from all departments.

Statistician Data Analyst

Ministry of Vocational Training and Employment, Tunisia

October 2006 – May 2008

- Created labor market reports with trend analysis on daily, weekly and monthly basis.
- Cleaned survey data sets.
- Estimated survey response probability using Logistic Regression.
- Imputed survey item non-response using Linear Regression.
- Managed and trained interviewers and data entry operators.

Certifications

- 2012: QUALITY MANAGEMENT SYSTEMS (QMS) Auditor/Lead Auditor
- 2011: SAS Certified Advanced Programmer for SAS 9
- 2001: SAS Certified Base Programmer for SAS 9

Technical Skills

- Search & Analytics: Hadoop, Cloudera, MongoDB, Elasticsearch
- ETL frameworks: Pentaho Data Integration
- Data visualization: Pentaho, Power BI
- Statistical packages: R, SAS
- Languages: Python, RegEx, PHP, Javascript, HTML/CSS

Education

- Master of Science: Mathematical Engineering for Life Sciences, Paris Descartes University, France - 2005
- Engineer: Statistics and Information Analysis, High School of Statistics and Information Analysis, Tunisia - 2004

Languages

- Arabic: Native
- French: Fluent
- English: Intermediate

Websites

- [Vulnlist.com](https://vulnlist.com): Security Vulnerability Database Archive

Extra-activities

- OWASP Tunisia Chapter, Research
- Freelance web developing for GDH'Com, a communication agency based in France.