Arthur Gustavo de La Fonte Albuquerque

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Brazilian, 36 years old, Married, no children.

GOALS: DATA SCIENTIST

QUALIFICATION
Automation Engineering graduated, computer technician, postgraduate in Business Management, I'm looking for an opportunity for Data Scientist, where I can improve and expand my knowledge, always aiming at a good professional qualification. Expertise in quality management, data analysis, processes and products, having already worked in large multinational companies. Consolidated experience in implementing operational and strategic indicators (KPI's), preparation of management reports and data analysis. Knowledge in database and BI. Professional with strong performance with Lean & Black Belt methodology and highly qualified to manage and lead people, working with direct team leadership. Dynamic professional, with initiative, ease of learning and good interpersonal skills, dedicated to functions, focused on results and cost reduction. Organized, responsible and flexible.

KEY WORDS:
Automation Engineering, implementation of indicators, KPIs, management reports, data analysis, database, BI, quality management, supervisor, coordinator, process analysis, Black Belt, Lean, 6-Sigma, problem solving, people management, predictive models', linear regression, machine learning, deep learning, recommendation system, ETL and Dashboard.

ACADEMIC BACKGROUND
Postgraduate Specialization in Executive Business Management – Oct *2021*
Fundação Dom Cabral – FDC [9° Financial Times Rank - Executive Education]

Bachelor degree in Automation Engineering – *2008*
Universidade Metodista de Piracicaba – UNIMEP/SP

Computer Technician – *2004*
Colégio Network Sumaré

EXTRA COURSES
- Data Scientist - R and Python – UDEMY
- Tableau e Power BI advanced – UDEMY
- Black Belt Lean 6-Sigma – EDTI
- Minitab Software – Graphics and Lean Tools – EDTI
- DOE | MSA | Measurement uncertainty and statistic – ESTATCAMP
- The 7 habits of highly effective people and Crucial Conversations – FRANKLIN COVEY
- Microsoft Access 2013 Advanced and Security – MCRUZ TECNOLOGIA
- Projects Management PMI Book - GDI
- Maintenance Planner - Abraman

PROGRAMMING LANGUAGES
- Python | R | Visual Basic | VBA | Access | C++
- Data Base: SQL | PostgreSQL | NoSQL
- Dashboard: Power Bi | Tableau | RShiny
- Proficiency in Excel, Word and Power Point
- Power Automate Microsoft and Flow
- SAP modules: PM, QM, HR e MN

LANGUAGES

English - Full Professional **| Spanish** - Basic | **Portuguese** - Native Language

PROFESSIONAL EXPERIENCE

HYUNDAI MOTOR BRAZIL   **05/2012 to 04/2020 (8 years)**

Responsibility: Quality Assurance Supervisor………………………………….08/2013 to 04/2020
- Coordinated inspection team and 3 quality laboratories Material, Electrical and Calibration [7 employees] to support quality in the vehicles manufacturing, with raw materials tests, parts and electrical components tests, working closely with the Design, Operations, Manufacturing and Engineering teams to coordinate cross-functional activities that improve material analysis and testing capabilities with the highest standards of safety, quality and output.
- Developed VBA MS Access Software for issues management and labs routine control (SAP data base, field problems, tests results). Data automations import and Tableau Dashboard reports.
- Strategic analysis of Field issues and Brazilian conditions for improve costumer experience and product quality and cost reduction. Data cleaning: outliers' analysis, wrong data, normalization, duplication.
- Management of activities before new product launch (PPAP), durability & test vehicle validation.
- Coordination of field and plant issues, defining priorities and deadlines. Root cause assessment and action plan with visit and investigation at suppliers. Application of Lean and quality tools to improve products and processes | Lean DMAIC,8D,5W1H, FMEA, PDCA, DOE, CEP e MSA.
- ISO 9001: 2015 & IEC 17025: 2017 audit routines on the factory for assessment of standards and procedures, non-conformity management, external audit follow-up to guarantee certification.
- Development automated parts testing devices, using Siemens PLC, Arduino & Raspberry Pi, drives and sensors for data collection and analysis.
- Cost management of laboratories and calibration suppliers R$ 400k / year.

Main results:
- 20% cost reduction in the annual calibration of factory instruments.
- Coordinated 5 PPAP projects [ISIR] launching the vehicle with more than 50 problems detected and solved before launch.
- Coordinated 5 research projects in materials lab for identify the root cause and benchmarking solutions for exclusive issues in Brazil: Corrosion North East, Fuel pump lever, Headlamp varnish, PU Steering Wheel and.

Responsibility: Quality Assurance Specialist………………..…………………05/2012 to 08/2013
- Experience in Start-up automotive plant, definition layout and equipment's for testing laboratories, define, purchase and schedule new equipment's.
- Responsible for planning and conducting activities of the Materials testing laboratory (Metals, Polymers, Fabrics and Leather, Surface treatment), with assessment of physical and chemical properties of vehicle parts.

VILLARES METALS STEEL MAKER   **07/1998 to 05/2012 (14years)**

Responsibility: P&D Metallurgist Technician……………..……………..……01/2004 to 05/2012
- Responsible for planning and conducting medium complexity metallurgical laboratory activities, supporting researchers' projects and field issues.
- Scanning Electron Microscope Operator Jeol EPMA with EDS and WDS. Qualitative and quantitative analyzes for metallic materials characterization, fractures, inclusions.
- 7 years coordination of investment projects and major repairs projects in the order of 1 million reais per year from the R&D Research & Development center.

Main results:
- Setting up the Corrosion laboratory at the Research Center, project benchmarking, construction laboratory infrastructure, layout, furniture, safety equipment's,
- Development of the method of quantitative analysis of inclusions in the scanning electron microscope, with development of primary standards and calibration curve.
- Study temperature variation for quenching and tempering of 20 alloys with evaluation of the microstructure to identify the best temperature and main problems resulting wrong heat treatment.

Responsibility: Maintenance Planner……………….……………………………08/2001 to 01/2004
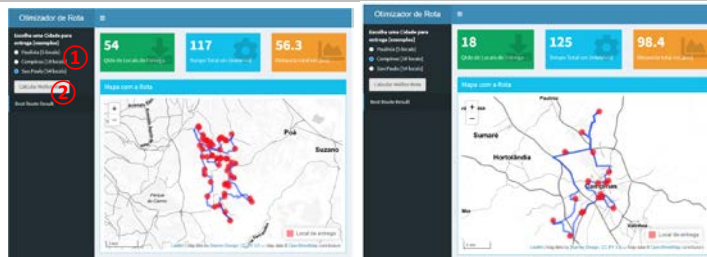- Responsible for the planning of preventive and corrective maintenance and the coordination of investments, development of new suppliers for renovation and acquisition of equipment. Preparation of KPIs and management reports for maintenance.

Responsibility: Technical Internship……………………………........……………..07/1998 to 07/2001

My JOB's PORTIFOLIO

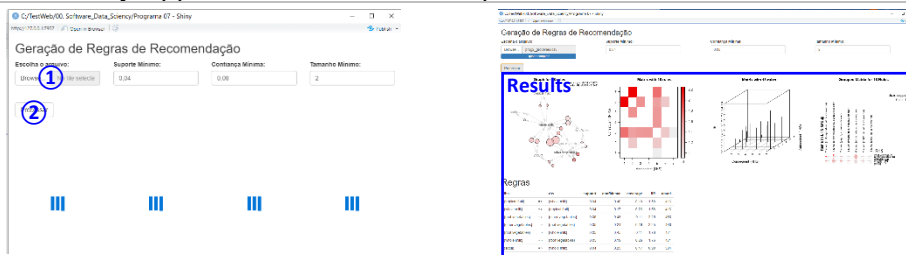**R + SHINY PORTIFOLIO – Examples of Advanced Statistical Methods that I created**

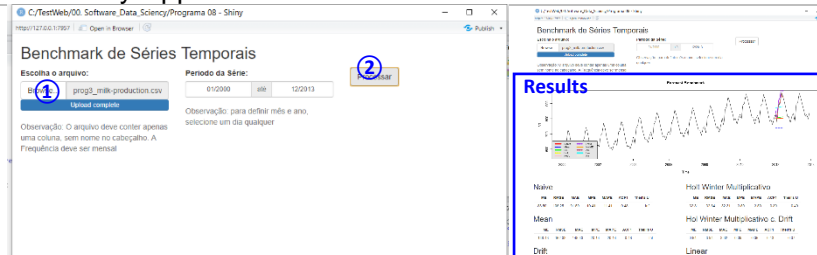| R + Shiny App – Route Optimization - Traveling Salesman |
|---|
| |
| Access Link: Otimizador de rota → to find the short travel according to the coordinates |

R + Shiny App – Association Rules Apriori – Groceries data	
Access Link: Groceries App	CSV File Link: Groceries

R + Shiny App – Time Series Evaluation – Milk Production Prediction [10 models comparison]	
Access Link: Times_Series	CSV File Link: Milk Production

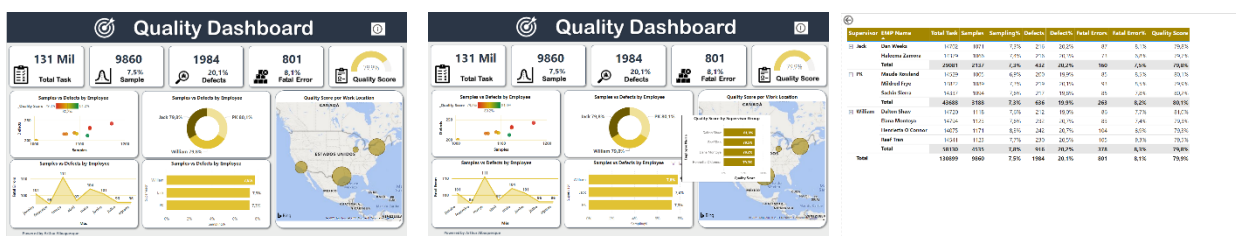| R + Shiny App – Genetic Algorithms [GA] Stochastic - Truck Cargo Transport Optimization	
Access Link: Truck Cargo	CSV File Link: Itens
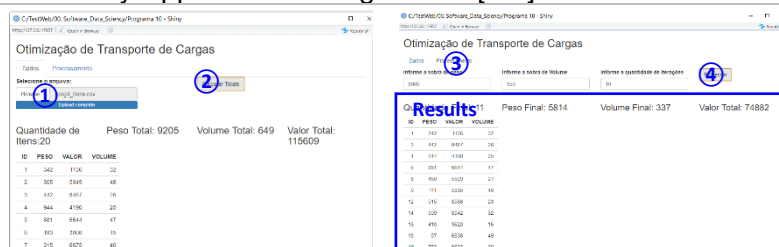
POWER BI PORTIFOLIO – Examples KPI indicators
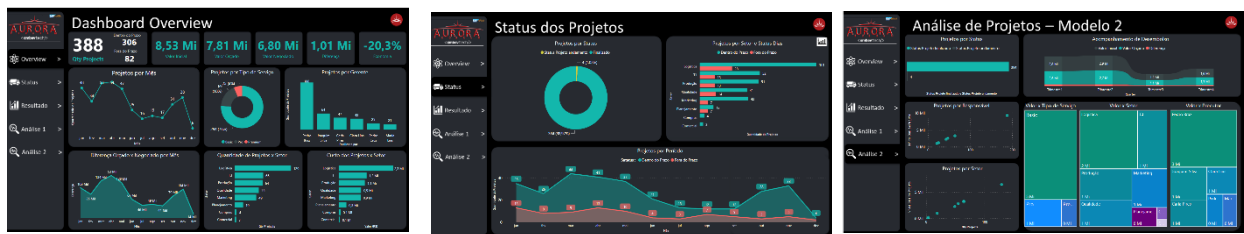

Power Bi - HR Analytics Dashboard

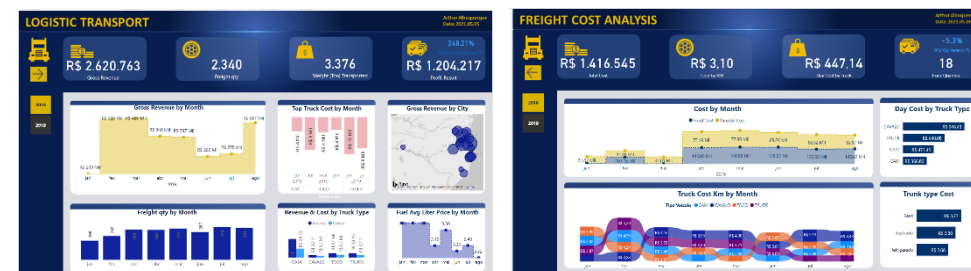Access Link: HR Report

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Power Bi - Quality Dashboard Report

Access Link: Quality Report

Power Bi – Projects Management Report

Access Link: Projects Report

Power Bi – Logistic Report

Access Link: Logistic Report

Power Bi – Sales Return and Demand Profit Simulator

Access Link: Sale Report