

Henrique Aparecido Laureano,

Brazilian from [Curitiba](#), 28 y/o, Statistician,
Data Scientist with a Masters in Statistics and
Numerical Methods in Engineering from [UFPR](#)

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Training and Experiences

2019-2021 Masters, Statistics and Numerical Methods in Engineering,
Universidade Federal do Paraná (UFPR)

- Numerical Methods in Engineering Graduate Program, Statistical Methods research line, working with the statistical modeling of complex systems (such as epidemiological, environmental, and financial phenomena).
[[Thesis](#), [Defense Slides](#)]

2017-2019 Interrupted Masters in Applied Mathematics and Statistics,
King Abdullah University of Science and Technology ([KAUST](#))

- A year and a half in Saudi Arabia as a Graduate Student in the Applied Mathematics and Computational Sciences (AMCS) and Statistics Programs. Throughout this period, I daily communicated in English and was a member of the Bayesian Computational Statistics and Modeling research group.
Prior to KAUST acceptance, I spent one semester as a Master's Student in Statistics at the Universidade Estadual de Campinas (UNICAMP).

2011-2016 Bachelor in Statistics,
Universidade Federal do Paraná (UFPR)

- Bachelor in Statistics with two years of Scientific Initiation Federal Program. Extensive experience in statistical modeling (frequentist and Bayesian) and mastery of programming languages such as R, Python, and C++. Dozens of consultancies were provided during the bachelor's degree, with some resulting in international scientific publication.

Professional experience

2021- Statistician,
[Instituto de Pesquisa Pelé Pequeno Príncipe](#)

- The Pelé Pequeno Príncipe Research Institute, together with the Pequeno Príncipe Hospital - the largest exclusively pediatric hospital in Brazil, and the Pequeno Príncipe University, make up the Pequeno Príncipe Complex.
I work with data visualization, sample/plan design, and statistical and predictive modeling/analysis of complex, infectious, and oncogenetic diseases; epidemiological and clinical studies; molecular medicine and bioinformatics.

2016-2016 Statistician,
[Centro de Telessaúde - Hospital das Clínicas - UFMG](#)

- Working mainly in the research group on echocardiography in tropical diseases, in the development of predictive and statistical models with an emphasis on the discovery, quantification, and prediction of risk factors in Chagas disease and rheumatic diseases. In addition to the development of models, I participated in the elaboration of studies, experiments, and in the analysis and visualization of data.

I left the Telehealth Center to start a Masters in Statistics at UNICAMP.

2014- Outside consultant

- Statistical consultancy provided to Masters, Doctoral, Post-Doctoral, and Researchers from the most diverse areas, such as:

* Agronomy	* Nursing	* Pharmacy	* Chemistry
* Biology	* Electrical Eng.	* Pedagogy	* Medicine
* Economy	* Chemical Eng.	* Psychology	* Zootechnics

2011-2014 Administrative assistant,
[Paralelo Engenharia](#)

- Preparation of budgets, billing reports, and cost spreadsheets. Control and payment of invoices, materials, issuance of invoices, and tax conference.

2010-2011 Intern,
Attorney General of the State of Paraná (PGE, *in Portuguese*)

- Intern at the Interior Coordination (COI), responsible for closing and opening pouches with documents and materials coming and going from PGE's regional offices, delivery of such documents to other PGE sectors, and delivery and removal of documents to other public sectors in the city of Curitiba.

Skills

- English: Advanced/fluent, one and a half years living and working in Saudi Arabia
- Programming languages
 - R (Shiny, tidyverse, data.table, ggplot2, etc): Advanced knowledge
 - Python, C++, Matlab: Basic knowledge
 - Distributed version control system Git, LibreOffice, Office, Google Workspace, Linux environment: Intermediate knowledge
- Advanced knowledge in Mathematical Modeling, Statistics, and Optimization