

Alexandre C. Yano

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EXPERIENCE	<p>Data Scientist (Volunteer), Jan 2016–Present</p> <ul style="list-style-type: none">• Volunteer as part of a team at Purdue Fort Wayne that is currently studying statistical methods and its applications to epidemiology to help understand COVID-19.• Actively provide data analytics insights to small organizations in Angola that focus on child development and youth. <p>TA for Mathematical Modelling and Applied Statistics , Duke TIP Jun 2018–Aug 2018</p> <ul style="list-style-type: none">• Engaged in Mathematical analysis and helped students delve into the math of data analysis using real-world problems.• Established successful methods that helped students applying mathematical induction, calculus, and statistics to prove general statements in math. <p>Development Workshop NGO, Intern (CEDOC), DW Jun–Aug 2014</p> <ul style="list-style-type: none">• Assisted the DW team in multiple tasks, including, but not limited to, support to the Center for Documentation which archives sections of several Angolan newspapers related to social infrastructure.
EDUCATION	<p>MSc. in Applied Mathematics, Purdue University, Fort Wayne, IN Expected Graduation: Dec 2020</p> <p>BSc. in Mathematics, Methodist University, Fayetteville, NC May 2019</p> <ul style="list-style-type: none">• Minor in Computer Science• Dean's List <p>International Baccalaureate (IB), Li Po Chun UWC of Hong Kong May 2015</p>
RELEVANT COURSE WORK	<ul style="list-style-type: none">• Time Series Analysis with Alessandro Selvitella, PhD• Optimization Problems• Probability• Linear Algebra
AWARDS	<p>Math Jeopardy Finalist, MAA-SE, Math Jeopardy 2018 and 2019</p> <p>One Thing Award, Methodist University, SGA 2018</p>
EXTRA ACTIVITIES	<p>BCG – Virtual Experience Program , Forage (cert.) 2020</p> <p>o Modulus completed: Market Research Data Analysis Understanding consumer needs Client Recommendation Next Steps</p> <p>Complete Python Developer in 2021: Zero to Mastery, Udemy (cert.) 2020</p> <p>Data Science and Machine Learning Bootcamp with R, Udemy (cert.) 2020</p>
LANGUAGES AND SKILLS	<p>Languages Portuguese (<i>native</i>), English (<i>Fluent</i>), Spanish (<i>Intermediate</i>)</p> <p>Skills Python, R, SQL, git, Web Scrapping, Basic html, \LaTeX, PySpark, TensorFlow 2 and Keras</p> <p>Familiar with AWS, MATLAB and C++</p>
PROJECTS	<p>[1] J. Asher, N. Hinniger, T. Kelly, P. Klopfenstein, M. Masters, S. Owusu, R. Ruble, W.K. Sellers, A. Yano. The Batch Effect and the Necessity of Metadata Standardization Github 2020</p> <p>[2] L. Le, J. Asher, N. Hinniger, T. Kelly, P. Klopfenstein, M. Masters, S. Owusu, R. Ruble, W.K. Sellers, A. Yano. Deep Learning in Wireless Communications. Github 2020</p> <p>[3] Perceptron. A Simple Neural Network. Github</p>