Pedro N. de Lima

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EDUCATION

Pardee RAND Graduate School, *Santa Monica, CA*
Ph.D. in Policy Analysis   *Expected Jun 2024*

UNISINOS University, *São Leopoldo, Brazil*
M.S. in Production Engineering   *Feb 2018*
B.S. in Production Engineering   *Dec 2015*

WORK EXPERIENCE

RAND Corporation   *Santa Monica, CA*
Assistant Policy Researcher   *Sep. 2019 - Present*

UNISINOS University   *São Leopoldo, Brazil*
Lecturer - Polytechnic School   *Feb. 2018 - Jun. 2019*

- Taught the following disciplines in undergraduate and MBA classes: Operations Research - Linear Programming; Simulation Modeling (Discrete Event Simulation); System Dynamics Simulation; Operations Management; Information Systems Management.

- Advised undergraduate and MBA students in their capstone research projects, one of which received the Best Brazilian Production Engineering Undergraduate Dissertation Award from ABEPRO (2019).

Master Research Assistant - GMAP — UNISINOS Research Group *Feb. 2016 - Feb. 2018*

- Developed a Monte Carlo Simulation package in R for cost-benefit analysis of Organizational Safety and Health Initiatives.

- Developed algorithms for exploratory modeling and analysis of system dynamics models in R.

- Developed a competition dynamics model for the Professional Additive Manufacturing Industry.

Undergraduate Research Intern - GMAP — UNISINOS Research Group *Jun. 2013 - Feb. 2016*

- Developed a model of global competition between iron ore producers, taking into account regional comparative advantages and detailed substitution dynamics among different iron ore types.

- Developed a VBA tool to run simulations, aggregate and summarize simulation results.

- Conducted Business Process Modeling of productivity and innovation induction programs for government agencies in Southern Brazil (AGDI and SEBRAE/RS).

Rede Industrial   *Presidente Lucena, Brazil*
Chief Analyst   *Jan. 2012 - Jun. 2013*

- Oversaw SIGMA's (a CMMS) software development and support teams.

- Conceptualized most of the new features included in the 2012 release, including the SIGMA's interagration module, Sigma SMS module and SIGMA's Android App.

Business Analyst   *Jan. 2009 - Jan. 2012*

- Conducted software requirements analysis for internal and external clients.

- Developed SQL queries for database reporting and bug troubleshooting.
- Quality Assured SIGMA's new features.
- Streamlined software development processes implementing and customizing Jira workflows.

DISTINCTIONS AND AWARDS

Best Brazilian Production Engineering Undergraduate Dissertation (Advisor)	*ABEPRO, 2019*
Best Brazilian Production Engineering Masters Dissertation (Author)	*ABEPRO, 2018*
Best Brazilian Production Engineering Undergraduate Dissertation (Author)	*ABEPRO, 2016*
PROSUP M.Sc. Scholarship	*CAPES, 2016*
Inovapps Prize - Avalia Brasil App	*Brazilian Communications Ministry, 2015*

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Society for Decision Making Under Deep Uncertainty

Communications and Outreach Chair	*2019 - Present*
Member, Communications Team Volunteer	*2017 - 2018*

NUGEEP - Rio Grande do Sul State Student Chapter - ABEPRO

President	*2015 - 2016*

RESEARCH PAPERS

Lima, P. N., Dresch, A., Larcerda, D. P. (2019). **Do socio-economic contextual factors influence SMEs' service quality? A cross-sector and cross-city SERVPERF analysis**. International Journal of Business Performance Management, 20(3), 195-211.https://doi.org/10.1504/IJBPM.2019.101998

Veit, D. R., Larcerda, D. P., **Lima, P. N.** (2019). **The impacts of Additive Manufacturing on production systems**. In J. Mula, R. Barbastefano, M. Díaz-Madroñero, Raúl Poler (Eds.), Lecture Notes in Management and Industrial Engineering (pp. 187–194). https://doi.org/10.1007/978-3-319-93488-4

Dresch, A., Veit, D. R., **Lima, P. N.**, Lacerda, D. P., Collatto, D. C. (2019). **Inducing Brazilian manufacturing SMEs productivity with Lean tools**. International Journal of Productivity and Performance Management, 68(1), 69–87. https://doi.org/10.1108/IJPPM-10-2017-0248

TECHNICAL SKILLS

I have a background of practical work with **SQL** databases from my previous experience in the software industry. Over the past several years, I developed strong programming skills in **R** by applying it in all projects I have been involved with (from machine learning models, to a personal blog, to simulation packages, to interactive web apps).

Programming	**R** (my primary language), python (as needed)
Web Apps Development	R's Shiny Package
Relational Databases	mySQL, MS SQL Server
Modeling and Simulation	iThink, Arena, deSolve R package
Other Tools	Tableau, Wordpress, Git
Github profile	github.com/pedroliman
Blog with R-related posts	www.pedronl.com