

Valber Gregory Barbosa Costa Bezerra Santos

Professor at UFAL | Economist | Judicial Analyst and Judicial Adviser at TJAL | Data, Econometrics, Law and Public Innovation

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Summary

Professor at the Federal University of Alagoas (Arapiraca Campus/Penedo Educational Unit, Information Systems programme) since 2023 and Judicial Analyst in Economics at the Alagoas State Court of Justice since 2014, where he also serves as judicial adviser. Registered economist (CORECON/AL) with degrees in Law and Economics, a graduate specialisation in Law 4.0 (Digital Law, Data Protection and Cybersecurity; PUC-Campinas/PUC-PR), an MBA in Judicial Administration (FGV), an MSc in Applied Economics (UFAL) and a PhD in Economics (UFPB). Practised law from 2010 to 2014 (Alagoas Bar no. 9,788; legal practice is incompatible with the current office).

Research on regional development and public policy, economic analysis of law and jurimetrics, artificial intelligence in the public sector, the digital economy, tourism, maritime and fisheries economics, with public data and reproducible methods in R, Python and SQL.

Positions

Personal academic CV. It is not a statement, service or endorsement of UFAL or TJAL; employment ties are cited for professional identification only.

Professor (federal higher-education career, Magistério Superior) — Universidade Federal de Alagoas (UFAL)

2023–present · Arapiraca Campus, Penedo Educational Unit — Information Systems programme
Member of the programme board and of the curriculum core group (NDE) of the Information Systems programme.
Substitute lecturer in the Tourism programme between 2019 and 2021.

Judicial Analyst and Judicial Adviser — Tribunal de Justiça do Estado de Alagoas (TJAL)

2014–present · Judicial Analyst (Economics); Judicial Adviser
Technical opinions and economic studies, budget-impact estimates and expert analysis in administrative proceedings; since 2023, adviser to trial judges.

Registered economist — CORECON/AL

2013–present · Regional Council of Economics of Alagoas
Professional registration no. 972.

Substitute lecturer — Universidade Federal de Alagoas

2019–2021 · Tourism programme, Penedo

Lawyer — private practice

2010–2014 · tax, administrative and civil law (Maceió)

Education

PhD in Economics

2020–2023 · Universidade Federal da Paraíba (UFPB)
Thesis: Essays on Information and Communication Technology in the Economics of Education.

MSc in Applied Economics

2012–2015 · Universidade Federal de Alagoas (UFAL)
Dissertation on industrial location and agglomeration effects in Northeast Brazil (1995–2005). CAPES scholarship.

Graduate specialisation in Law 4.0 — Digital Law, Data Protection and Cybersecurity

2025–2026 · PUC-Campinas, com dupla certificação em conjunto com a PUC-PR

360 hours; completed on 28 July 2026 (completion declaration issued in August 2026). Syllabus including the LGPD, privacy by design, ISO 27001/27002/27701, cybercrime law and information-security management.

MBA in Judicial Administration

2015–2017 · Fundação Getulio Vargas (FGV)

BSc in Economics

2005–2013 · Universidade Federal de Alagoas (UFAL)

LLB (Bachelor of Laws)

2005–2009 · Centro Universitário CESMAC

Practised law between 2010 and 2014 (Alagoas Bar no. 9,788; legal practice is incompatible with the current office).

Research lines

- Regional Development and Public Policy — Public spending, education, agricultural prices and policy evaluation, cutting across Industrial and Organisational Economics — location and agglomeration of activities, firm structure and the design of public organisations.
- Economic Analysis of Law and Jurimetrics — Court decisions as data — moral damages, case duration, precedents, litigation patterns and the incentives rules create.
- Artificial Intelligence, digital government and legal decision-making — AI adoption in the public sector, productivity, governance and security controls; and the theme of Artificial Intelligence, Legality and Legal Decision-Making — under which conditions AI systems can support legitimate, auditable and human-supervised legal decisions.
- Digital Economy and Digital Law — Instant payments (Pix), platforms and digital services, data and data protection, cybersecurity and regulation — the economics of digital markets and the law that organises them.
- Tourism Economics — International demand, connectivity, price competitiveness and territorial development.
- Maritime Economics and Ports — Port shocks, regional resilience and the digitalisation of port processes.
- Fisheries Economics — Marine heatwaves, fishing effort, seasonal closures and marine protected areas.
- Data, econometrics and Information Systems — Cross-cutting line — R, Python, SQL, spatial analysis, reproducible pipelines and decision-support systems.

Research in progress

Gasto Público em Educação, Salários Regionais e Dinâmica Fiscal no Brasil: Evidências em Pannel e um DSGE Fiscal com Capital Humano

Regional Development and Public Policy · status: Pre-submission · repository: github.com/valberggregory/artigo-dsge-educacao

Transmissão de Preços do Leite ao Produtor entre Regiões Brasileiras

Regional Development and Public Policy · status: Pre-submission · repository: github.com/valberggregory/transmissao-precos-leite-brasil

Inteligência Artificial e Produtividade no Setor Público: Evidências dos Tribunais de Justiça Brasileiros

Regional Development and Public Policy · status: Pre-submission · repository: github.com/valberggregory/ia-produtividade-tjs-brasil

Laboratórios de informática e desempenho escolar no Brasil: uma reavaliação do ProInfo Integrado

Regional Development and Public Policy · status: Pre-submission

Brazil's One Computer per Student Programme and school achievement: evidence from the 2010 laptop distribution

Regional Development and Public Policy · status: Pre-submission

Pricing Non-Pecuniary Harm: A Jurimetric Analysis of Moral Damages Awards in a Brazilian Appellate Court (Federal District, 2015–2025)

Economic Analysis of Law and Jurimetrics · status: In development · repository: github.com/valberggregory/Pricing-Non-Pecuniary-Harm

Gatekeeping the Quantum: How Brazil's Superior Court of Justice Reviews Moral-Damages Awards

Economic Analysis of Law and Jurimetrics · status: In development · repository: github.com/valberggregory/STJ-Moral-Damages-Jurimetrics

The Geography of Judicial Delay: Spatial Inequality and Procedural Trajectories in Brazil

Economic Analysis of Law and Jurimetrics · status: In development · repository: github.com/valberggregory/Geography-of-Judicial-Delay

Do Binding Precedents Actually Bind? Measuring Judicial Compliance and Diffusion Across Brazilian Courts

Economic Analysis of Law and Jurimetrics · status: In development · repository: github.com/valberggregory/binding-precedents-brazil

Can Generative AI Draft Legally Reliable Decisions?

Economic Analysis of Law and Jurimetrics · status: Being structured

Detecting Patterns of Abusive Litigation: An Explainable and Human-Centered Jurimetric Framework

Economic Analysis of Law and Jurimetrics · status: In development · repository: github.com/valberggregory/abusive-litigation-jurimetrics

Adoção de IA no Poder Judiciário Brasileiro sem Controles de Segurança: Um Estudo Comparativo dos 27 Tribunais de Justiça Estaduais

Artificial Intelligence, digital government and legal decision-making · status: Writing · repository: github.com/valberggregory/aisecdev-tjs-2026

Distance, Connectivity, and Price Competitiveness: A Gravity-Based Analysis of International Tourism Demand for Brazil

Tourism Economics · status: Pre-submission · repository: github.com/valberggregory/tourism-gravity-brazil

Port Network Shocks and Regional Economic Resilience: Evidence from Maritime Disruptions and Brazilian Trade Networks

Maritime Economics and Ports · status: In development

Digitalizing Port Processes: Design and Causal Evaluation of a Port Transformation Observatory

Maritime Economics and Ports · status: Writing · repository: github.com/valberggregory/Port-Digitalization-Observatory

Marine Heatwaves, Ocean Productivity and Fishing Effort: High-Frequency Evidence from the Brazilian Coast

Fisheries Economics · status: Writing · repository: github.com/valberggregory/marine-fisheries-data-cube

Do Fishing Closures Protect Fish or Displace Fishing? Causal Evidence from Brazil's Seasonal Bans and Marine Protected Areas

Fisheries Economics · status: In development · repository: github.com/valberggregory/fisheries-closures-brazil

Forecasting Pix Across Brazil: Global Models and Coherent Geographic Reconciliation

Digital Economy and Digital Law · status: In development · repository: github.com/valberggregory/pix-geography-brazil

Regulatory Interventions, Fraud, and Pix Diffusion: A Time-Series Analysis of Security Measures

Digital Economy and Digital Law · status: Pre-submission

Publications

Um esboço da racionalidade limitada nas teorias evolucionista e dos custos de transação: pontos potenciais de convergência

Everton de Souza Coelho; Valber Gregory Barbosa Costa Bezerra Santos; Felipe Rocha Presado Menezes de Barros. Revista Economia Política do Desenvolvimento, v. 6, n. 20, p. 1–24, 2015. DOI: 10.28998/repd.v6i20.8706 <https://periodicos.ufal.br/repd/article/view/8706>

Análise do protecionismo brasileiro pós-crise de 2008: barreiras comerciais e planos de incentivos à indústria

Felippe Rocha Presado Menezes de Barros; Valber Gregory Barbosa Costa Bezerra Santos. Revista Economia Política do Desenvolvimento, v. 6, n. 21, p. 1–14, 2015. DOI: 10.28998/repd.v6i21.8713
<https://periodicos.ufal.br/repd/article/view/8713>

Regime de metas: vantagens e desvantagens do uso de metas monetárias e inflacionárias

Valber Gregory Barbosa Costa Bezerra Santos; Felippe Rocha Presado Menezes de Barros. Revista Economia Política do Desenvolvimento, v. 6, n. 19, p. 49–61, 2014. DOI: 10.28998/repd.v6i19.8663
<https://periodicos.ufal.br/repd/article/view/8663>

Ciclos econômicos e o papel do Estado: uma análise das hipóteses pós-keynesianas e novo-keynesianas

Felippe Rocha Presado Menezes de Barros; Valber Gregory Barbosa Costa Bezerra Santos. Revista Economia Política do Desenvolvimento, v. 6, n. 18, p. 1–15, 2014. DOI: 10.28998/repd.v6i18.8634
<https://periodicos.ufal.br/repd/article/view/8634>

Localização geográfica e efeitos aglomerativos na Região Nordeste do Brasil (1995–2005)

Valber Gregory Barbosa Costa Bezerra Santos; André Maia Gomes Lages. In: Thierry Molnar Prates; Maria Cecília Junqueira Lustosa (org.). Desenvolvimento e economia regional: evidências do Nordeste e de Alagoas. Maceió: EDUFAL, 2018, p. 41–66. ISBN 978-85-5913-114-7.
<https://www.edufal.com.br/Produtos/Detalhes/511524>

A 'municipalização' do ITR: uma opção viável? O caso de Alagoas

Valber Gregory Barbosa Costa Bezerra Santos; André Maia Gomes Lages. Seminário de Desenvolvimento Econômico e Governança Fundiária, 2015.
<https://governancadeteras.com.br/wp-content/uploads/2017/10/A-municipaliza%C3%A7%C3%A3o-do-ITR.pdf>

Grupo Reparo Tecnológico: manutenção e oferta de cursos de manutenção de computadores

Waldsson Sacramento dos Santos; Thyago Tenório Martins de Oliveira; Valber Gregory Barbosa Costa Bezerra Santos; Jário José dos Santos Júnior; Gustavo Henrique Ferreira de Miranda Oliveira. Revista Eletrônica Extensão em Debate, 2025.

Eudaimonía kai Tourismoú (Eudaimonia e Turismo): uma análise da produção científica internacional

Sandro Alves de Medeiros; Aline Tinoco Luz; Lara Brunelle Almeida Freitas; Ana Cláudia Campos; Maria Manuela Martins Guerreiro; Valber Gregory Barbosa Costa Bezerra Santos; Miriã Alves de Lima. Anais do XXI Seminário da ANPTUR, São Paulo, 2024.

Public service examinations

Public service examinations (concursos públicos) are part of my trajectory, both as a candidate and as a civil servant. I passed eight competitive selections for economist, professor, judicial analyst and municipal attorney positions, three of them in first place, and I was also certified in the National Judiciary Examination (ENAM). I still sit public examinations and follow calls, examination boards and the structuring of public careers, which keeps alive my interest in evaluation, management and personnel policy in the public sector.

- 1st place — Economist — CBTU — Companhia Brasileira de Trens Urbanos — Edital n. 1/2014
- 1st place — Tenured Professor (40h) — Management, Economics and Accounting for Information Systems — UFAL — Universidade Federal de Alagoas — Edital n. 77/2021
- 1st place — Substitute Lecturer — UFAL — Polo Arapiraca/Penedo — Edital n. 45/2018
- 3rd place — Economist — UFAL — Universidade Federal de Alagoas — Edital n. 136/2011
- 3rd place — Judicial Analyst, Economics — TJAL — Tribunal de Justiça de Alagoas — Edital n. 24/2012
- 5th place — Economist — CONAB — Companhia Nacional de Abastecimento — Edital n. 1/2014
- 11th place — Organisational Process Analyst — Algás S/A — Edital n. 1/2014
- 30th place — Municipal Attorney — Prefeitura de Rio Largo (AL) — Edital n. 1/2010

Independent projects (institutional classification under review)

Institutional classification under review: affiliation, registration and ownership not yet documented. Not official systems of UFAL or TJAL.

PataCidadã

Startup — free animal-protection platform · Final refinement phase before launch · patacidada.com.br · app.patacidada.com.br

Founder and investing partner

SmartMap Educação

Startup — territorial intelligence for municipal education · Prototype under development; competing in the Centelha programme · smartmap-educacao.vercel.app

Founder and investing partner

LiquidaJus

Legaltech — judgment liquidation · Prototype under development

Founder and investing partner

PortaJus

Legaltech — access to justice · Prototype under development

Founder and investing partner

Methods and tools

R (tidyverse, fixest, targets, renv) · Python (pandas, scikit-learn, uv) · SQL, DuckDB, PostgreSQL/PostGIS · Spark e processamento de Big Data (curso CNJ/UFPR) · Econometria de painel e séries temporais · Inferência causal (diferenças-em-diferenças, estudos de eventos, PPML) · Análise espacial e geoprocessamento (sf, H3) · LaTeX, Quarto e Git · Dados públicos (DataJud, ANTAQ, CEPEA, Global Fishing Watch, INEP, SICONFI)

