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WoS: <https://bit.ly/3e5xSdT>
arXiv: https://arxiv.org/a/cortes_j_1.html

Summary

My work lies in the intersection between science of science, business-management research, and innovation studies in middle-low-income countries. I use both theoretical and methodological frameworks from the science of science and network science to study the structure of knowledge production as scientific publications and patents. I'm also interested in how national science, technology, and innovation policies shape the direction of the production of knowledge and the scientific workforce's capabilities. Since 2012, I have work in the higher education system. I'm currently a distinguished professor at the School of Management at Universidad del Rosario, Colombia, where I'm the head of Scin Data Lab, a learning/research lab on science of science and network science. I'm also a co-chair of the Center of Excellence-SCIN Data at Woxsen University, India, where I hold the Chair Professorship-Vijay Govindarajan Professor of Strategy and Innovation. I hold affiliations with institutions such as the Fudan Development Institute (FDDI) at Fudan University, China, and the Engineering School at Universidad de Los Andes, Colombia. I have the honor of visiting Max Planck Society, FDDI, and the Center for Latin American Studies (CLAS) at the University of California, Berkeley, as visiting scholar and guest lecturer. Along with a network of local and international colleagues, our research and studies have been funded by IMA (Institute of Management Accountants) Research Foundation, Fudan University, Ministry of Science Technology and Innovation, Colombia, Universidad de Los Andes, Universidad del Rosario, among others. Our ideas have been published in journals such as *PLoS ONE*, *Scientometrics*, and *Journal of Information Science*. My writings have been read over 39,000 times in ResearchGate. I have served with pleasure on the editorial boards of journals such as *Harvard Business Review*, *PLoS ONE* and *Humanities & Social Sciences Communications*. I have chaired sessions, tracks, and presented research in progress in conferences and seminars such as the *Academy of Management annual meeting-2022*, *International Society for Informetrics and Scientometrics (ISSI)*, *Association for Information Science and Technology (ASIS&T)*, *International Conference on Information (iConference)*, the *European Association for the Study of Science and Technology (EASST)*, the *Society for Social Studies of Science (4S)*, the *International Conference on Sustainable Development (ICSD)*, University of Wisconsin-Madison, and NOVA University, Portugal. Finally, institutions such as Education Secretary of Bogotá, the National Council for Accreditation, MinCiencias, and the Pontificia Universidad Javeriana, Colombia, have requested my services as consultant/advisor

Employment

- 2023 (Summer) Invited PhD student — Population and Social Data Science Summer Incubator Program - Max Planck Institute for Demographic Research (MPIDR), Rostock, Germany
- 2023–Current Co-chair — Center of Excellence-SCIN Data, Woxsen University, India
- 2023–Current Director — Scin Data, Universidad del Rosario, Bogotá, Colombia
- 2022–Current Chair Professorship (honorary) – Vijay Govindarajan Professor of Strategy and Innovation — Woxsen Business School, Woxsen University, Hyderabad, Telangana, India
- 2020–Current Invited Researcher (Associated Researcher) – Fudan Development Institute, Fudan University, Shanghai, China
- 2017–Current Principal Professor – School of Management, Universidad del Rosario, Bogotá, Colombia
- 2022 Associated lecturer and researcher — Woxsen Business School, Woxsen University, Hyderabad, Telangana, India
- 2019 (Summer) Visiting Scholar – Fudan Development Institute, Fudan University, Shanghai, China
- 2016–2017 Assistant Professor – School of Management, Universidad del Rosario, Bogotá, Colombia
- 2014–2016 Auxiliary Professor – School of Management, Universidad del Rosario, Bogotá, Colombia
- 2013–2014 Adjunct Professor – School of Management, Universidad del Rosario, Bogotá, Colombia
- 2013–2014 Teaching Assistant – Centro Interdisciplinario de Estudios sobre Desarrollo (CIDER), Universidad de Los Andes, Bogotá, Colombia
- 2012–2013 Junior Researcher – MinCiencias, Bogotá, Colombia

Education

- 2022–Current PhD Engineering — Industrial Engineering Department, Engineering School, Universidad de Los Andes, Bogotá, Colombia
- 2015 MSc Interdisciplinary Development Studies, Universidad de Los Andes, Bogotá, Colombia. Thesis (meritorious): *Eficiencia en el uso de información científico-tecnológica para la producción de capital intelectual de las Universidades en Colombia* [*Efficiency in the use of digital scientific-databases for intellectual capital production in Colombian universities*]. <http://repositorio.uniandes.edu.co/xmlui/handle/1992/6812>
- 2011 Bachelor in International Business Management (BBA), School of Management, Universidad del Rosario, Bogotá, Colombia

Subject categories – Web of Science profile

Information Science & Library Science; Computer Science; Business & Economics Science & Technology; Arts & Humanities

Publications

Books and collections

- 2020 *Atlas de la Investigación en Administración en América Latina* [Atlas of Research in Management in Latin America]. School of Management – Working papers. Bogotá: Universidad del Rosario
- Volume 1: <https://repositorio.urosario.edu.co/handle/10336/28293>
- Volume 2: <https://repositorio.urosario.edu.co/handle/10336/28292>
- Volume 3: <https://repositorio.urosario.edu.co/handle/10336/29080>
- Volume 4: <https://repositorio.urosario.edu.co/handle/10336/30108>

- 2015 *Gobierno Electrónico en América Latina* [Electronic Government in Latin America], with Diego Cardona. Bogotá: Universidad del Rosario. <https://doi.org/10.7476/9789587386400>
Selected papers — Web of Science Core Collection/SCImago Journal Ranking Q1-Q2
- 2023 Top, mid-tier, and predatory alike? The lexical structure of titles and abstracts of six business and management journals
Management, *Management Review Quarterly*, 73(1), 297–316. <https://doi.org/10.1007/s11301-021-00240-x>
 - Industry research fronts — Private sector collaboration with research institutions in Latin America and the Caribbean. *Journal of Information Science*. <https://doi.org/10.1177/01655515221131796>
- 2022 What is the mission of innovation?—Lexical structure, sentiment analysis, and cosine similarity of mission statements of research-knowledge intensive institutions. *PLOS ONE*, 17(8), 1–20. <https://doi.org/10.1371/journal.pone.0267454>
 - Winners and runners-up alike? — A comparison between awardees and special mention recipients of the most reputable science award in Colombia via a composite citation indicator, with Daniel A. Andrade. *Humanities and Social Sciences Communications*, 9(1), 217. <https://doi.org/10.1057/s41599-022-01241-1>
 - The Colombian scientific elite—Science mapping and a comparison with Nobel Prize laureates using a composite citation indicator, with Daniel A. Andrade, *PLOS ONE*, 17(5), 1–34. <https://doi.org/10.1371/journal.pone.0269116>
 - Identifying the dissension in management and business research in Latin America and the Caribbean via co-word analysis, *Scientometrics*, 127, 7111-7125. <https://doi.org/10.1007/s11192-021-04259-5>
 - University mission statements: Readability and performance, with Katerina Bohle and Liliana Rivera, *European Research on Management and Business Economics*. <https://doi.org/10.1016/j.iedeen.2021.100183>
- 2021 Journal titles and mission statements: Lexical structure, diversity, and readability in business, management and accounting research, *Journal of Information Science*. <https://doi.org/10.1177/01655515211043707>
 - Research on Innovation in Business and Management about China and Latin America: Bibliometric Insights Using Google Scholar, Dimensions and Microsoft Academic, with Xiaolei Lin and Xiaolei Lu, *Chinese Economy*, 55(3), 208-226. <https://doi.org/10.1080/10971475.2021.1958451>
 - Innovation for sustainability in the Global South: Bibliometric findings from management & business and STEM (Science, Technology, Engineering and Mathematics) fields in developing countries with Katerina Bohle and Mireia Guix, *Heliyon*, 7(8), e07809. <https://doi.org/10.1016/j.heliyon.2021.e07809>
- 2020 Content Analysis in Business Digital Media Columns: Evidence from Colombia, with Daniel Barredo, *Journalism Practice*, 16(1), 218-236. <https://doi.org/10.1080/17512786.2020.1796762>
 - A bibliometric outlook of the most cited documents in business, management and accounting in Ibero-America, *European Research on Management and Business Economics*, 26(1), 1-8. <https://doi.org/10.1016/j.iedeen.2019.12.003>
- 2019 Innovation in Latin America through the lens of bibliometrics: crammed and fading away, *Scientometrics*, 121(2), 869–895. <https://doi.org/10.1007/s11192-019-03201-0>
- 2018 Mission statements of universities worldwide - Text mining and visualization, *Intangible Capital*, 14(4), 584-603. <https://doi.org/10.3926/ic.1258>
- 2016 Eficiencia en el uso de bases de datos para la producción científica en universidades de Colombia [*Efficiency in the use of digital databases for scientific production in universities of Colombia*], *Revista Española de Documentación Científica*. 39(2), e130. <https://doi.org/10.3989/redc.2016.2.1320>
Book chapters
- 2023 Bibliometrics and the Study of Academic Knowledge Circulation, with Bohle-Carbonell, K. & Chinchilla-Rodríguez, Z. In W. Keim, L. Rodríguez Medina, R. Arvanitis, N. Bacolla, C. Basu, S. Dufoix, S. Klein, M. Nieto Olarte, B. Riedel, C. Ruvituso, G. Saalman, T. Schlechtriemen, & H. Vessuri (Eds.), *Routledge Handbook of Academic Knowledge Circulation* (1st ed., Vol. 1, pp. 541–555). Routledge. <https://doi.org/10.4324/9781003290650-51>
- 2019 Patents for All: A Content Analysis of an Open-access Dataset of Colombian Patents 1930–2000. In: Pardo Martínez C., Cotte Poveda A., Fletscher Moreno S. (eds.) *Analysis of Science, Technology, and Innovation in Emerging Economies* (pp. 65-93). Palgrave Macmillan. https://doi.org/10.1007/978-3-030-13578-2_4
Conference proceedings, working and policy papers
- 2023 The Content Structure of Science Technology and Innovation Policy — Applying co-word analysis to funding calls in Colombia, with María Catalina Ramírez-Cajiao. In I. Sserwanga, A. Goulding, H. Moulaison-Sandy, J. T. Du, A. L. Soares, V. Hessami, & R. D. Frank (Eds.), *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* (pp. 187–196). Springer Nature Switzerland
- 2022 Environmental Factors, Mission Statements, and Innovation-Financial Performance, with Juliana Dueñas, Jesús Godoy and Diego Téllez. *Management Accounting Quarterly*. <https://bit.ly/3FOCHo1>
 - The Effect of Mission Statement Content and Economic Complexity on Innovation and Research in Organizations, with Jesús Godoy and Diego Téllez. *School of Management – Working paper No. 160*. Bogotá: Universidad del Rosario. <https://repository.urosario.edu.co/handle/10336/37608>
 - What is the message of mission statements?, with Juliana Dueñas. *Academy of Management Proceedings*, 22, 1, <https://doi.org/10.5465/AMBPP.2022.10083abstract>
- 2021 Dissension or consensus? Management and Business Research in Latin America and the Caribbean. In W. Glänzel, S. Heeffer, P.-S. Chi, & R. Rousseau (Eds.), *18th International Conference on Scientometrics & Informetrics* (pp. 293–298). International Society for Scientometrics and Informetrics.
- 2020 Innovation Research in Management and STEM for Sustainability in Developing Countries Insights from Bibliometrics in the Global South, with Katerina Bohle and Mireia Guix. *School of Management – Working paper No. 154*. Bogotá: Universidad del Rosario. <https://repository.urosario.edu.co/handle/10336/28225>

- iSD in the Global South: Bibliometric remarks on innovation in STEM & management for sustainable development. *United Nations Call - Impacts of rapid technological change on the achievement of the SDG*
 - 2019 Scientometrics of Innovation in Business and Management between China and Latin America. *China Watch No. 5 2019 (Vol. 42)*. Shanghai: Fudan University. <http://bit.ly/2Ztk7hu>
 - 2018 A bibliometric outlook of the most cited papers in business, management and accounting in Ibero-America. *School of Management - Working paper No. 153*. Bogotá: Universidad del Rosario. <http://repository.urosario.edu.co/handle/10336/18009>
 - 2017 Mission and vision statements of universities worldwide - A content analysis. *School of Management - Working paper No. 152*. Bogotá: Universidad del Rosario. <http://repository.urosario.edu.co/handle/10336/13807>
Blog entries
 - 2023 Industry involved in research: the case of Latin America and the Caribbean. *Madrics - CWTS Leiden University*. Retrieved from: <https://bit.ly/3olAHx6>
 - 2022 Time to rethink the impact of Global South scientists?. *London School of Economics - Latin America and the Caribbean Center*. Retrieved from: <https://bit.ly/3W9iYEJ>
 - Judging journals by their covers - What journal titles and mission statements tell us about their publications. *The Impact Blog - London School of Economics and Political Science*. Retrieved from: <https://bit.ly/3uGDLDv>
 - 2019 Crammed and fading away: Research on innovation in Latin America. *Society for Social Studies of Science - Backchannels*. Retrieved from: <http://bit.ly/2lsxOuD>
 - 2018 Into oblivion: a closer look at the business, management and accounting research literature in Ibero-America. *The Impact Blog - London School of Economics and Political Science*. Retrieved from: <https://goo.gl/HWRgwL>
 - 2017 What do universities want to be? A content analysis of mission and vision statements worldwide. *The Impact Blog - London School of Economics and Political Science*. Retrieved from: <https://goo.gl/wfWG8t>
-
- Services
- Consultancy*
- 2016 Role: Lead researcher. Public institution: Secretary of Education of Bogotá. Project: Entrepreneurial competencies strengthening on upper secondary education - General guidelines for public policy (USD 20,000)
 - 2015-2016 Role: Lead researcher. Company: Top Factory. Consultancies: 1) Career Orientations Inventory (COI); and 2) Contact Centre's Incentives Policies - A Review
Academic
 - 2022-Current Educational Excellence and Innovation Advisory Board member - Woxxen University, India
 - 2022-Current Coordinator *Observatorio de Jóvenes: entrepreneurship* - Universidad del Rosario
 - 2019 Promotion Committee - School of Management, Universidad del Rosario
 - 2016-2020 Member of the institutional ethics committee for social sciences - Universidad del Rosario
 - 2019-Current External reviewer for research projects - MinCiencias; Pontificia Universidad Javeriana, Bogotá; Universidad de Pamplona, Santander; Universidad del Cesar, Cesar
 - 2018 Reviewer for projects on business innovation - MinCiencias
 - Visiting academic peer for the National Accreditation Council (CNA) evaluating the undergraduate program of international business at Universidad Santo Tomás, Bucaramanga
 - 2013-2014 Program accreditation coordinator - MSc in Interdisciplinary Development Studies - Universidad de Los Andes
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- Teaching
- Universidad del Rosario*
- Graduate*
- 2017 Colombian Economy
- Undergraduate*
- 2021-Current Innovation
 - 2019-Current Economic and Political Geography
 - 2015-2020 Business and Society
 - 2013-2014 Development, Poverty and Corporate Reality
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- Scholarships, grants and awards
- 2023 Grant - Population and Social Data Science Summer Incubator Program - Max Planck Institute for Demographic Research (MPIDR), Rostock, Germany (€6,000)
 - 2023 Impacto País, PhD studies grant - Universidad de Los Andes
 - Expert member - UNESCO Inclusive Policy Lab: <https://en.unesco.org/inclusivepolicylab/user/9152>
 - 2022 PhD studies grant - Engineering School, Universidad de Los Andes
 - Seed grant. Project: "Scientometric assessment of the Colombian scientific elite" - Universidad del Rosario (USD 5,000)
 - 2020-current Appointed as Invited Researcher (Associated Researcher) - Fudan Development Institute, China
 - 2020 IMA (Institute of Management Accountants) Research Foundation research grant (USD 5,000)
 - Order of merit for labor - Universidad del Rosario
 - 2019 Associate Researcher - MinCiencias
 - Visiting Scholar, FLAUC Fellow Program - Fudan University, China (USD 5,000)
 - 2018 Academic peer for undergraduate programs - National Accreditation Council (CNA)
 - 2017 Promoted to Principal Professor (tenured) - School of Management, Universidad del Rosario

- 2017 Member of the team awarded with the biennial award “José María del Castillo y Rada” for best community project: Guidelines for the program of integral development of the socio–occupational orientation on upper–secondary education in Bogota – Universidad del Rosario
- Guest lecturer at the Center for Latin American Studies (CLAS) – University of California, Berkeley
 - Short–term research grant. Host institution: University of California, Berkeley – Universidad del Rosario (USD 3,000)
 - Distinguished professor – Universidad del Rosario
- 2016 Promoted to Assistant Professor (tenured) – School of Management, Universidad del Rosario
- 2015 Meritorious mention to MSc thesis – Universidad de Los Andes
- 2013 MSc Scholarship – Graduate Assistants Program, Universidad de Los Andes (USD 5,000)
- 2012 Internship Grant – Junior Researchers National Program – MinCiencias (USD 10,000)
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- Editorial boards memberships
Harvard Business Review; PLoS ONE; Humanities & Social Sciences Communications, Springer Nature
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- Refereeing
QSS (Quantitative Science Studies); Information Development; Management Review Quarterly; Heliyon; Humanities & Social Sciences Communications (former: Palgrave Communications); Journal of Information Science; PLOS Sustainability and Transformation; Higher Education; PLoS ONE; Applied Computing and Informatics; Journal of Scientometrics and Information Management; Academy of Management annual meeting (2020, 2022); Scientometrics; Oxford Review of Education; Economics of Innovation and New Technology; Socio-Economic Planning Sciences
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- Chaired tracks, conferences, talks, open panels, and interviews
- 2023 Presenter: The Content Structure of Science Technology and Innovation Policy — iSchools (virtual) conference, Barcelona, Spain. <https://youtu.be/yIVSRyICBCQ>
- 2022 Presenter: A structural view of science–research–technology policy — Applying semantic analysis to public national research calls in Colombia. International Research Symposium — Association for Information Science and Technology, Special Interest Group on Knowledge Management, United States, China
- Presenter: What is the message of mission statements? —Academy of Management annual meeting, Seattle, United States
 - Track chair: China, Asia and Latin America: Business and Economic Issues – Business Association for Latin American Studies congress, Lisbon, Portugal
 - Seminar: Identifying the dissension in management and business research in Latin America and the Caribbean via co–word analysis — Universidad NOVA, Lisbon, Portugal
 - Key note: *¿Cuál es la misión de la innovación?* [What is the mission of innovation?], 3er Congreso Internacional de Estrategia, Bogotá, Colombia
 - Presenter: Dissension or consensus? Management and Business Research in Latin America and the Caribbean– International Society for Scientometrics and Informetrics conference, Leuven, Belgium
 - Presenter: Innovation for sustainability in the Global South – A bibliometric look at management and STEM fields – International Conference on Sustainable Development
 - Track chair: China, Asia and Latin America: Business and Economic Issues – Business Association for Latin American Studies congress, Bogotá, Colombia
- 2020 Guest lecturer: A worldwide overview of mission statements – University of Wisconsin–Madison
- Presenter: Converging or diverging? Structure transition of sustainability in management research –The Technological Transformations and China–Latin America Relation forum – Idea Lab Research Group, Fudan University, China. https://www.youtube.com/watch?v=Cq2cPcRqz_0
 - Presenter: Innovation in China and Latin America: bibliometric insights in business, management, accounting, and decision sciences – Business Association for Latin American Studies congress, Bogotá, Colombia
 - Presenter: Innovation for sustainability in the Global South: Bibliometric insights – European Association for the Study of Science and Technology and Society for Social Studies of Science, Prague, Czech Republic
 - Open panel: Citing the South – Informetrics and Open Science for Sustainable Development in the Global South, with Diana Lucio – European Association for the Study of Science and Technology and Society for Social Studies of Science joint meeting, Prague, Czech Republic
- 2019 Presenter: Patents for all – Annual Meeting, Society for Social Studies of Science, New Orleans, United States
- Presenter: Innovation in China and Latin–America – A Comparative Scientometric Landscape in Business & Management related–fields – Fudan Development Institute, China
- 2017 Guest lecturer: Countryside in the city: the role of urban agriculture for peacebuilding in Colombia – Center for Latin American Studies (CLAS) – University of California, Berkeley
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- Languages
Spanish: Native. English: IELTS certificate – C1
References available upon request