CONSTANZA M. VIDAL BUSTAMANTE

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EDUCATION

Ph.D. | Harvard University, Department of Psychology (Digital Technology and Health) 2024
- Dissertation: "Precision Examination of Real-World Stress and Behavior Using Deep Digital Phenotyping"
- Expertise: Emerging technologies; science, technology, and innovation policy, data science and machine learning

B.A. | Harvard University, Department of Psychology (Cognitive Neuroscience Track) 2016

SCIENCE & TECHNOLOGY RESEARCH AND POLICY ANALYSIS

Mirzayan S&T Policy Fellow | *National Academies of Sciences, Engineering, and Medicine* Spring 2024
- Organize, convene experts, and write policy reports for cross-sectoral initiatives seeking to strengthen U.S. innovation and workforce development in semiconductors, artificial intelligence, and biotechnology
- Support external communications, public events, and development of fundraising strategies and proposals

Researcher, S&T Policy | *Harvard's Belfer Center for Science and International Affairs* 2021 – Present
- Develop research projects and write reports on emerging technologies (e.g., biometrics, AI, semiconductors), the U.S. technology leadership strategy, and implications for national security and economic policy

Research Assistant, Research and Data Governance | *NYU's The GovLab (remote internship)* Summer 2021
- Conducted research, organized panels with domestic and international stakeholders, and authored a manuscript with recommendations for strategic research and data governance in the field of adolescent mental health

Doctoral Researcher, Digital Technology and Health | *Harvard University* 2019 – 2024
- Led projects using large-scale datasets from mobile and wearable technology and advanced analytics (including AI/natural language processing) to investigate the impact of life stress on health behaviors and wellbeing
- Wrote 5+ peer-reviewed articles and presented results at 10+ conferences for scientific and general audiences
- Developed and managed 4 research grants worth $50,000+
- Mentored 20+ research assistants on the planning, execution, and communication of statistical data analysis

LEADERSHIP, MANAGEMENT, AND CONSULTING

President, **Science Policy Group** | *Harvard's Graduate School of Arts and Sciences* 2022 – 2024
- Led organization's strategy and managed 8 executive board members and 200+ general members
- Partnered with experts and team members to deliver public events covering timely issues in S&T policy

Strategy Consultant, Student Health | *Harvard's Graduate Student Council* 2022 – 2023
- Developed and briefed Harvard administration officials on strategy to strengthen student health and wellbeing

Research Manager, National Brain Development Study | *Harvard University* 2016 – 2019
- Managed research planning and execution, 5 research staff members, financial planning, and communications

POLICY PUBLICATIONS

- **Vidal Bustamante, C.** & Calidas, D. (2024). "Unraveling the Political Dynamics Shaping the U.S. Strategy for Technology Leadership." *Belfer Center for Science and International Affairs, Harvard Kennedy School.* belfercenter.org/publication/unraveling-political-dynamics-shaping-us-strategy-technology-leadership

- **Vidal Bustamante, C.** (2022). "Technology Primer for Policymakers: Social Media Recommendation Algorithms." *Technology and Public Purpose Project, Belfer Center for Science and International Affairs, Harvard Kennedy School.* belfercenter.org/publication/technology-primer-social-media-recommendation-algorithms

- **Vidal Bustamante, C**., Alama-Maruta, K., Ng, C., & Coppersmith, D. (2022). "Should Machines Be Allowed to 'Read Our Minds'? Uses and Regulation of Biometric Techniques that Attempt to Infer Mental States." *MIT Science Policy Review*, 3, 112-121. DOI: 10.38105/spr.qy2iibrk72

- Verhulst, S., **Vidal Bustamante, C.,** et al. (2022). "Toward a Demand-Driven, Collaborative Data Agenda for Adolescent Mental Health." *Journal of Adolescent Health*, 72(1), 20-26. DOI: 10.1016/j.jadohealth.2022.05.027

TECHNICAL AND LANGUAGE SKILLS

Data Science R (advanced); Python (intermediate)
Languages Spanish (native speaker), Mandarin Chinese (advanced beginner)