CONSTANZA M. VIDAL BUSTAMANTE

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EDUCATION

Ph.D. | Harvard University, Department of Psychology — Expected February 2024
- Dissertation: "Precision Examination of Real-World Stress and Behavior Using 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) — May 2016

SCIENCE & TECHNOLOGY RESEARCH AND POLICY ANALYSIS

Mirzayan S&T Policy Fellow | *National Academies of Sciences, Engineering, and Medicine* — Spring 2024
- Organize and convene experts from government, industry, and academia for initiatives seeking to leverage emerging technological advances to strengthen U.S. innovation in medicine and other strategic fields
- Support external communications, public events, and development of fundraising strategies and proposals

Researcher, S&T Policy | *Belfer Center for Science and International Affairs* — 2021 – Present
- Develop research projects and write reports on emerging technologies (e.g., digital devices, AI, semiconductors), the U.S. technology leadership strategy, and implications for national security, economic, and foreign policy

Research Assistant, Research and Data Governance | *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 Health | *Harvard University* — 2019 – Present
- Lead projects using mobile and wearable technology and advanced analytics (including AI/natural language processing) to investigate the impact of real-world stressors on emotional wellbeing and health behaviors
- Write 5+ peer-reviewed manuscripts and present results at 10+ conferences for scientific and general audiences
- Develop and manage 4 research grants worth $50,000+
- Mentor 20+ research assistants on the planning, execution, and communication of statistical data analysis

LEADERSHIP AND CONSULTING

President, **Science Policy Group** | *Harvard University* — 2022 – Present
- Lead organization's strategy and manage 8 executive board members and 200+ general members
- Partner with experts and team members to deliver public events covering pressing issues in S&T policy

Strategy Consultant, Student Health | *Graduate Student Council, Harvard University* — 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 multi-site stakeholder communications, 5 full-time research staff members, and financial planning

POLICY PUBLICATIONS

- **Vidal Bustamante, C.** & Calidas, D. (*in press*) "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)