

# CONSTANZA M. VIDAL BUSTAMANTE

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## EDUCATION

- Ph.D.** | Harvard University, Department of Psychology 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. (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](https://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](https://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](https://doi.org/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](https://doi.org/10.1016/j.jadohealth.2022.05.027)

## TECHNICAL AND LANGUAGE SKILLS

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