

# 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"
  - Extensive coursework in science and technology policy, innovation policy, and statistics
- B.A.** | Harvard University, Department of Psychology (Cognitive Neuroscience Track) May 2016
- Magna Cum Laude with Highest Honors in Psychology

## SCIENCE & TECHNOLOGY RESEARCH AND POLICY ANALYSIS

- S&T Policy Fellow** | *National Academies of Sciences, Engineering, and Medicine* Spring 2024
- Organize, run, and write reports for cross-sectoral initiatives leveraging advances in science and technology to enhance health research and care and to spur further innovation in the United States
  - Support external communications and development of fundraising strategies
- President, Science Policy Group** | *Harvard University* 2022 – Present
- Lead organization's strategy and manage 8 executive board members and 200+ general members
  - Partner with expert stakeholders to develop and deliver programming on timely S&T policy issues, including recent developments in industrial innovation policy and health policy under the Biden administration
- Researcher, S&T Policy** | *Belfer Center for Science and International Affairs* 2021 – Present
- Develop and conduct research, interview experts, and write reports on emerging technologies, innovation policy, and the U.S. science and technology strategy in the context of rising geopolitical tensions
- Research Assistant, Research and Data Governance** | *The GovLab (remote internship)* Summer 2021
- Conducted research, organized and participated in cross-sectoral expert panels, and published a peer-reviewed manuscript on collaborative and ethical approaches to adolescent mental health research and data governance
- Doctoral Researcher, Digital Health** | *Harvard University* 2019 – Present
- Lead dissertation projects leveraging large datasets from smartphones and wearables and advanced statistical analyses to examine the impact of real-world stressors on emotional wellbeing and health behaviors like sleep
  - Write 5+ peer-reviewed manuscripts and present results at 10+ conferences
  - Independently develop and manage 3 research grants worth \$50,000+
  - Train 20+ research assistants on data management, visualization, and application of statistical analyses
- Research Manager, National Brain Development Study** | *Harvard University* 2016 – 2019
- Led multi-site stakeholder communications, 5 full-time research staff members, budget planning, participant recruitment, and data documentation, analysis, and communication to scientific and lay audiences

## 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*.
- **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*. <https://www.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. [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	R (advanced); Python (intermediate)
Languages	Spanish (native speaker), Mandarin Chinese (advanced beginner)