

CONSTANZA M. VIDAL BUSTAMANTE

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EDUCATION

- Ph.D. in Psychology** | Harvard University Expected May 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. in Psychology (Cognitive Neuroscience Track)** | Harvard University May 2016
- Magna Cum Laude with Highest Honors in Psychology

TECHNICAL AND LANGUAGE SKILLS

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

SCIENCE & TECHNOLOGY RESEARCH AND POLICY ANALYSIS

- Fellow, S&T Policy** | *National Academies of Sciences, Engineering, and Medicine* 2024
- Incoming Mirzayan Science & Technology Policy Fellow in Washington, D.C. (March – May 2024)
 - Will organize, run, and write reports for science and technology policy programming in coordination with expert stakeholders in academia, industry, and government
 - Will support external communications and development of fundraising strategies
- President, Science Policy Student Group** | *Harvard University* 2022 – Present
- Lead organization's strategy and manage 10 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
- Research Assistant, 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)* 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** | *Department of Psychology, Harvard University* 2019 – Present
- Lead dissertation projects leveraging large datasets from smartphones and wearables to examine the impact of real-world stressors on emotions, sleep and activity patterns, and longer-term health outcomes
 - 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, NIH-funded 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)