

## RADHA IYENGAR PLUMB

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### EDUCATION

Princeton University, Princeton, NJ, Ph.D. Department of Economics, 2006

Princeton University, Princeton, NJ, MA Department of Economics, 2004

Massachusetts Institute of Technology, Cambridge, MA, BS Economics, 2002

### EXPERIENCE

#### **Director of Research and Insights, Google** Sunnyvale CA (February 2020 - Present)

Lead a global team in a global team, with team members in the US, Europe, and Asia that provides the analytic and research to support Trust & Safety operations across a range of Google products (e.g. Search, Ads, YouTube, Shopping, Payments, Cloud, Maps, etc). This includes a team of researchers, technical program managers, data scientists, and analysts who conduct detailed research and analysis to inform policy and standards across products, support product design, evaluate levels of consumer trust, provide statistical rigor to sampling and quality testing for at scale operations, collect operational metrics and predictive analytics to manage current and future abuse fighting operations.

#### **Facebook**, Menlo Park, CA (September 2017 - January 2020)

##### **Global Head of Social and Economic Policy Analysis, Facebook** Menlo Park CA (August 2019- January 2020)

Lead a team of quantitative researchers and analysts who assess, evaluate and advise on all a range of policy issues. This includes a team focused on Facebook's product policies, including content, ranking, and ads policy and governance models, to ensure rigorous research and the best available evidence are incorporated in rulemaking, training, and implementation. The team includes policy analysis and assessment as well as managing a global portfolio of academic partnerships and collaborations to produce both internal and external research on priority topics. A separate team focuses on assessing the economic impact of social media including the user value, connectivity, employment, and development gains. Additional areas of focus include understanding and assessing regulatory models and models of choice and competition. Managed a portfolio of \$20 million in research funding, global team of researchers and analysts, and global vendors to address government requests for data and information regarding Facebook social and economic impact.

*Concurrent affiliations with RAND Corporation and Stanford Center for International Security and Cooperation*

##### **Head of Product Policy Research** (August 2018 – August 2019)

Lead a team of researchers and analysts who assess, evaluate and advise on all product and content policies to ensure rigorous research and the best available evidence are incorporated in rulemaking, training, and implementation. This includes content policies, ads policy, privacy policy and governance model. The team includes policy analysis and assessment as well as managing a global portfolio of academic partnerships and collaborations to produce both internal and external research on priority topics. Manage a portfolio of \$8 million in research funding and partnerships including execution of a major content policy research initiative and data transparency academic advisory group.

##### **Lead Researcher, User Safety and Risk Management** (September 2017 – August 2018)

Lead researcher measuring and assessing on and offline threats to user safety and well-being. Priority efforts included developing appropriate processes to prioritize resources and mitigate user and corporate risks as well as assessing and defining core metrics and qualitative and quantitative evidence to characterize trends in threats and risks. Additional responsibilities include supporting policy development process and research to support high priority policy areas. Topical areas covered include counterterrorism, child safety, online harassment and bullying, hate speech, nonconsensual intimate imagery, and other safety issues as needed.

**Senior Economist, RAND Corporation, Arlington VA, (October 2015-September 2017)**

Lead researcher on key issues related on defense personnel and readiness issues including readiness implications of transgender service, suitability screening to address safety of vulnerable populations and insider threat issues. Broader policy research on a range of topics including terrorist networks and financing, sexual and intimate partner violence in civilian and military populations, and gun violence mitigation policy analysis. Concurrent affiliation as Visiting Research Scholar at Princeton University supervising research the impact of stabilization projects in Afghanistan on governance, economic, and security outcomes.

**US Federal Government Service Washington, DC (July 2012 - October 2015)**

**Deputy Chief of Staff, Office of the Deputy Secretary, US Department of Energy (2014 –2015)**

Provide policy guidance and departmental coordination on key policy issues for the Deputy Secretary including budget preparation and appeals for fiscal year 2016 budget, nuclear security issues, financing for renewable energy innovation, and implementation of Department of Defense-Department of Energy coordination on energy security issues. Serve as the primary manager for all substantive issues to be reviewed and approved by the Deputy Secretary including emergency preparedness and response, cyber security, credit and loan program review, nuclear policy, and clean energy manufacturing and finance, and science/research investment. Serve as primary manager for personnel and budget issues in the Office of the Deputy Secretary and as needed for the Department of Energy.

**Director of Defense Personnel and Readiness, National Security Council, The White House (2013-2014)**

Provide policy guidance and interagency coordination on defense policy issues related to personnel policy and military readiness to support strategic decisions by the National Security Advisor and President of the United States. Key issues include prevention of and response to sexual assault in the military, child abuse and child care for military families, family violence response and protection for military families, access to benefits for undocumented individuals enlisting in the military, expanding mental health care for military service members and their families, processes to improve base security in response to shootings at Washington Navy Yard and Fort Hood. Provide coordination and input into defense budget issues related to the fiscal year 2015 budget and Quadrennial Defense Review.

**Policy Advisor and Chief of Staff, Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, Defense Pentagon (July 2012-September 2013)**

Provide policy advice, speech writing, and support to the Assistant Secretary on a wide range of Special Operations and Counterterrorism issues. Provided support on policy issues including Enduring Presence planning for Afghanistan, al Qa'ida strategy papers, and additional special projects at the request of the Assistant Secretary and Secretary of Defense.

**Economist, RAND Corporation, Arlington VA, (October 2011-July 2012)**

Led and conducted research on estimating the cost of violence in Iraq, the effectiveness of Afghan Local Police, and developed the concept and operational plan for a research center to identify and publicize promising practices related to sexual assault in the United States.

**Academic Research Team Director, Counterinsurgency Advisory and Assistance Team (CAAT), Kabul Afghanistan (March 2010 – October 2010)**

Oversaw research efforts for Commander of International Forces in Afghanistan including: coordinated data collection, facilitated coordination with civilian agencies, program evaluation design and project management, development of measures of effectiveness, and cost-effectiveness of counterinsurgency. Topics researched included the effectiveness of policy training programs, the impact of efforts to engage Afghan females, and the rate of recidivism for captured and detained Afghans. Work was briefed to Command ISAF, Chairman of the Joint Chiefs of Staff, and regional commanders and general officers across theater.

**Primary Investigator on Violence Against Women Program Evaluation, International Rescue**

**Committee, Makamba, Burundi (Fall 2006 – Summer 2009)**

Women's Empowerment in Post-Conflict Settings: Conducted research in Burundi, Democratic Republic of Congo, Cote D'Ivoire, and South Africa on economic programs reduce intimate partner violence and improve women's decision making authority. Primary responsibilities included project design, budget management, survey oversight, analysis of results, and report preparation. This project was later supported by a Gates Foundation grant on Successes in Africa.

**Assistant Professor, Department of Economics, London School of Economics, London, England**

(October 2008-October 2011)

Conducted research on the effect of development programs in reducing violence in fragile and conflict affected settings. Research related to Iraq and Afghanistan was published in academic journals and lay press. Taught courses to masters and PhD students on labor economics and econometrics.

**Primary Investigator National Census of Domestic Violence Services, National Network to End Domestic Violence, (Fall 2005-December 2006)**

Developed, designed, and implemented first ever tool to measure and evaluate demand and usage of federally funded Domestic Violence Services. Served on the Committee on Measures and Assessment, Family Violence Prevention and Services, Department of Health and Human Services.

**Robert Wood Johnson Health Policy Scholar, Harvard University (August 2006-August 2008)**

Conducted research on the economic costs and benefits of programs to reduce violence against women. During this period served on Committee on Measures and Assessment, Family Violence Prevention and Services, Department of Health and Human Services.

**Policy Analyst, New Jersey Coalition Against Sexual Assault, Trenton, NJ (Fall 2003-Fall 2004)**

Researched and wrote policy positions for New Jersey's state agency overseeing all sexual assault services. Provided linkage between first/emergency response teams and policy teams to identify areas for policy action.

**Research Assistant, Council of Economic Advisers, Executive Office of the President, White House Washington DC, (Summer 2000)**

Provided research support to member Dr. Katherine Shaw on domestic policy issues including health care reform, minimum wage programs, and technological innovation. First summer research assistant to write a report for weekly brief to the President of the United States.

## **RESEARCH**

### **PRIMARY PUBLICATIONS**

"Is there an 'emboldenment' effect: Evidence from the insurgency in Iraq." *Journal of Strategic Studies* (2020): 1-22. (with Jonathan Monten)

"Damaging democracy? Security provision and turnout in Afghan elections." *Economics & Politics* 31.2 (2019): 163-193. (with Luke Condra, Mike Callen, James Long, and Jacob Shapiro)

"Economic Policies and Intimate Partner Violence Prevention: Emerging Complexities in the Literature" *Journal of Interpersonal Violence* 33.21 (2018): 3367-3387 (with Margaret Tankard)

Assessing the Implications of Allowing Transgender Personnel to Serve Openly. *RAND Report* Santa Monica, CA: RAND Corporation, 2016. (with Schaefer, Agnes Gereben, Kadiyala, Jennifer Kavanagh, Charles C. Engel, Kayla M. Williams and Amii Kress)  
[http://www.rand.org/pubs/research\\_reports/RR1530.html](http://www.rand.org/pubs/research_reports/RR1530.html).

“The political economy of the disability insurance: theory and evidence of gubernatorial learning” (with Giovanni Mastrobuoni) *IZA Journal of Labor Policy* 2014, 3:16 doi:10.1186/2193-9004-3-16

"Insurgent Compensation: Evidence from Iraq," (with Benjamin W. Bahney, Patrick B. Johnston, Danielle F. Jung, Jacob N. Shapiro, Howard J. Shatz) *American Economic Review*, 2013, 103(3):518-522, 2013

Evaluation of the Caruth Police Institute at Dallas (with Rob Davis) *RAND Report*. Santa Monica, CA: RAND Corporation, 2013. [http://www.rand.org/pubs/research\\_reports/RR312](http://www.rand.org/pubs/research_reports/RR312).

"Who's the fairest in the land? Analysis of judge and jury death penalty decisions." *The Journal of Law and Economics* 54.3 (2011): 693-722.

"The Dangerous Shortage Of Domestic Violence Services: An analysis suggests that more than one in ten victims in a twenty-four-hour period asked for—but didn't get—help." (with Lindsay Sabik) *Health Affairs* 28 (2009): w1052-w1065.

“Does the Certainty of Arrest Reduce Domestic Violence? Evidence from Mandatory and Recommended Arrest Laws” *Journal of Public Economics* 93 85-93 (2009)

## **BOOKS AND BOOK CHAPTERS**

“Comparing Economic and Social Interventions to Reduce Intimate Partner Violence: Evidence from Central and Southern Africa (with Guilia Ferrari) in *African Successes: Human Capital*, edited by Sebastian Edwards, Simon Johnson, and David N. Weil. University of Chicago Press 2017

“Does Arrest Deter Violence? Comparing Experimental and Nonexperimental Evidence on Arrest Laws” in *The Economics of Crime*; Di Tella, Edwards, and Schargrodsy (Eds.) University of Chicago Press, Chicago, IL 2010, Chapter 12, pp 421-453

“Economics of Commercial Dispute Arbitration” with Orley Ashenfelter (as Editors) in the series *Economic Approaches to Law*, Elgar Publishing London UK, Summer 2009

## **WORKING PAPERS**

Lessons Learned from Stabilization Initiatives in Afghanistan: A Systematic Review of Existing Research (April 11, 2017). RAND Working Paper Series WR- 1191. (with Jacob N. Shapiro and Stephen Hegarty) Available at <http://dx.doi.org/10.2139/ssrn.2987581>

Stabilization in Afghanistan: Trends in Violence, Attitudes, Well-Being and Program Activity (June 15, 2017). *RAND Working Paper Series WR-1192*. (with Jacob N. Shapiro, Benjamin Crisman, Manu Singh, and James Mao) Available at <http://dx.doi.org/10.2139/ssrn.2987607>

Building Peace: The Impact of Aid on the Labor Market for Insurgents (August 2011). NBER Working Paper No. w17297 (with Jonathan Monten and Matthew Hanson). Available at SSRN: <https://ssrn.com/abstract=1918236>

“The Effect of Civilian Casualties in Afghanistan and Iraq” (with Luke N. Condra, Joseph H. Felter, Jacob N. Shapiro) NBER Working Paper 16152 July 2010

“I would rather be hanged for a sheep than a lamb: The unintended consequences of California Three-Strikes laws” February 2008 *NBER Working Paper* 13784 (<http://www.nber.org/papers/w13784>) Please also see news reports in *Slate*, *Hartford Advocate*, *Dallas Morning News*

“An Analysis of Attorney Performance in the Federal Indigent Defense System” June 2007 NBER

Working Paper 13187 (<http://www.nber.org/papers/w13187>)

Please see the July 14, 2007 *New York Times* article by Adam Liptak entitled “Public Defenders Get Better Marks When on Salary” that describes these findings for a lay audience Also articles in *National Journal* and *Congressional Quarterly*

## **INDUSTRY TECHNICAL PAPERS AND ARTICLES**

Information quality processes for Community Standards Violations metrics (Nov 13, 2019) Available at: <https://research.fb.com/blog/2019/11/information-quality-processes-for-community-standards-violations-metrics/>

“Oversight of Deliberative Decision Making: An Analysis of Public and Private Oversight Models Worldwide” (with Paul Gowder) (July 2, 2019). Available at: <https://fbnewsroomus.files.wordpress.com/2019/06/oversight-board-consultation-report-appendix.pdf>

An Independent Report on How We Measure Content Moderation, *Facebook Newsroom* (May 23, 2019) <https://newsroom.fb.com/news/2019/05/dtag-report/>

Exploring feedback from data and governance experts: A research-based response to the Data Transparency Advisory Group report, Facebook Research Blog, (May 23, 2019) <https://research.fb.com/blog/2019/05/exploring-feedback-from-data-and-governance-experts-a-research-based-response-to-the-data-transparency-advisory-group-report/>

A Research-Based Approach to Protecting Intimate Images, *Facebook Newsroom* (March 15, 2019) <https://newsroom.fb.com/news/2019/03/protecting-intimate-images/>

## **INTERVIEWS AND MEDIA ARTICLES**

Interview on mentorship with B.R.J. O’Donnell “When Men Hold Top Positions, How Much Can Mentorship Help Women?” *Atlantic Monthly* June 28, 2019 <https://www.theatlantic.com/business/archive/2017/06/women-mentorship-top-positions-national-security/531795/>

“Focusing on tallying the number of campus sexual assaults can make the problem worse” *Dallas Morning News* January 5, 2017 <http://www.dallasnews.com/opinion/commentary/2017/01/05/focusing-tallying-number-campus-sexual-assaults-can-make-problem-worse>

“Domestic Warning Signs of Mass Shootings” *US News and World Reports* August 2, 2016 <http://www.usnews.com/opinion/articles/2016-08-02/the-connection-between-violence-against-women-and-mass-shootings>

“Anti-Muslim Rhetoric is a National Security Threat” *War on the Rocks* April 13, 2016 <https://warontherocks.com/2016/04/anti-muslim-rhetoric-is-a-national-security-threat/>

“Iran, Terrorism, and Nonproliferation after the Nuclear Deal” (with Rebecca Lissner) *War on the Rocks* January 28, 2016 <https://warontherocks.com/2016/01/iran-terrorism-and-nonproliferation-after-the-nuclear-deal/>

“Benghazi: Questions Unasked and Opportunities Missed” *War on the Rocks* October 22, 2015 <https://warontherocks.com/2019/11/benghazi-questions-unasked-and-opportunities-missed-2/>

“The Next War” *Foreign Policy* (with Douglas A. Ollivant) May 3, 2016 [http://www.foreignpolicy.com/articles/2012/05/03/the\\_next\\_war](http://www.foreignpolicy.com/articles/2012/05/03/the_next_war)

“Open debate will prompt reaction from insurgents” *The Times (London)* February 26, 2010  
[http://business.timesonline.co.uk/tol/business/industry\\_sectors/media/article7041398.ece](http://business.timesonline.co.uk/tol/business/industry_sectors/media/article7041398.ece)

“The Protection Battered Spouses Don’t Need” *New York Times* August 7, 2007  
[http://www.nytimes.com/2007/08/07/opinion/07iyengar.html?\\_r=1&oref=slogin](http://www.nytimes.com/2007/08/07/opinion/07iyengar.html?_r=1&oref=slogin)