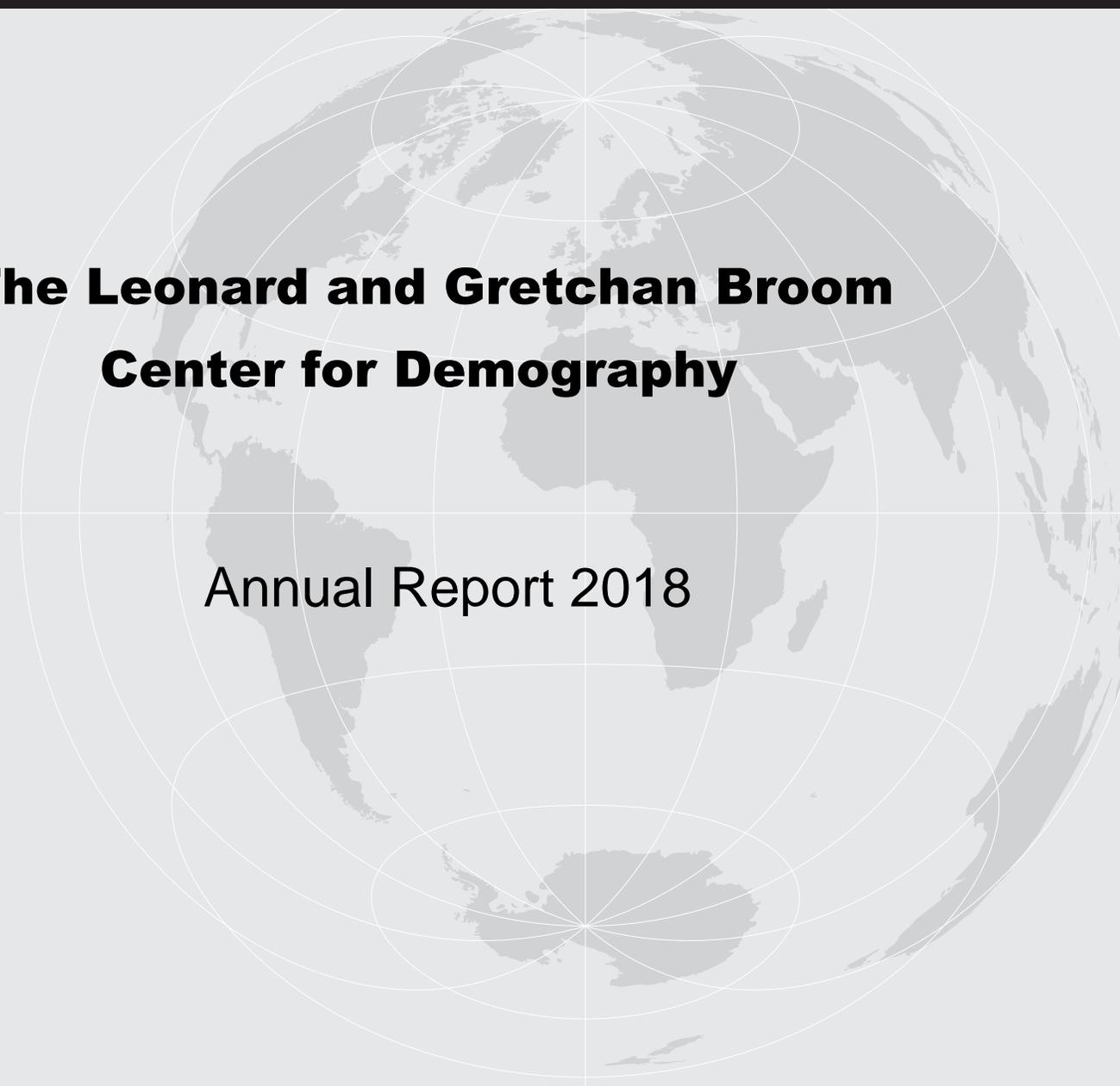


broom center for demography

University of California, Santa Barbara



**The Leonard and Gretchan Broom
Center for Demography**

Annual Report 2018

Broom Center for Demography

University of California, Santa Barbara

2018 Annual Report

The Leonard and Gretchan Broom Center for Demography is an interdisciplinary research center at the University of California, Santa Barbara, UCSB. Its mission is to facilitate research and training in social demography and population studies with particular thematic emphases on social and economic inequalities and health disparities. Key issues explored by Center Associates include inequalities across social groups defined by gender, sexuality, race/ethnicity and immigration status; population-environment interactions; the determinants of population health; migration flows; spatial demography; and the allocation of resources within and among families, workplaces, schools, and other social institutions. This report describes the Center's activities during its sixth year of operation, from July 1, 2017 through June 30, 2018.

The Broom Demography Center is directed by Professor of Sociology Maria Charles. Shelly Lundberg, the Leonard Broom Professor of Demography, is the Center's Associate Director. Trea DePrima served as administrative assistant and Kevin Mwenda (2018 Geography PhD) served as Social Demography Lab Manager during the 2017-18 academic year. Broom's Advisory Board consists of Maria Charles (Sociology), Michael Gurven (Anthropology), David Lopez-Carr (Geography), Shelly Lundberg (Economics), Heather Royer (Economics), and Edward Telles (Sociology), plus two ex officio members: the Director of the Institute of Social, Behavioral, and Economic Research (ISBER), Stuart Smith, and the Dean of Social Sciences, Charles R. Hale. Hale, formerly Professor of Anthropology and African and African Diaspora Studies at the University of Texas at Austin, was appointed SAGE Sara Miller McCune Dean of Social Sciences on January 1, 2018. Before his appointment, and following the retirement of Broom's Founding Dean Melvin Oliver in 2016, Acting Dean and Distinguished Professor of Feminist Studies Leila Rupp provided the Center exceptional administrative leadership.

The Broom Center currently consists of 30 faculty and postdoctoral *Research Associates* and 51 *Graduate Associates* spanning eight disciplines (Anthropology; Ecology, Evolution & Marine Biology; Economics; Geography; Linguistics; Marine Science; Psychology; and Sociology). The Center's physical space is located on the ground floor of North Hall and consists of faculty, administrative, and visitor offices, a graduate student lounge, and a computer lab.

The Broom Center for Demography was established in October 2011 with generous funding from Leonard and Gretchan Broom and under the leadership of Founding Dean Melvin Oliver and Inaugural Director Peter Kuhn. Leonard Broom was a distinguished professor of sociology whose academic career spanned seven decades, with appointments at UC Los Angeles, University of Texas at Austin, the Australian National University, and most recently UCSB. Leonard Broom served as editor of the discipline's flagship journal, *American Sociological Review* (1955-57), and he coauthored (with Philip Selznick, UC Berkeley) one of the first and most successful textbooks in sociology. His early research on

the effects of US internment of Japanese-Americans during WWII made him an early critic of that policy and shaped a lifelong interest in social inequality that lives on in the Broom Center's thematic foci.

In 2017, the Broom Center became a member of the Association of Population Centers, APC. The APC is an independent group of universities and research organizations that aims to foster cooperation and collaboration among research centers, especially as regards research and data sharing, translation of demographic research for policymakers, and population-related training opportunities for graduate and undergraduate students from all backgrounds.

Another effort to enhance cross-center collaboration initiated during the last academic year is the Multicampus Research Program Initiative proposal, "Toward a UC Consortium on Big Data and Population Research," which was submitted to the UC Office of the President by the four University of California population centers in summer 2018. If funded this program would provide resources to facilitate exchange among centers at UCSB, UC Berkeley, and UC Irvine, and UC Los Angeles, including through a cross-campus seed grant program and an annual Summer Institute for faculty and graduate students.

Broom Research and Graduate Associates spent an active research year in 2017/18. Together they produced more than 100 peer-reviewed journal articles, 6 books, and dozens of other items, including approximately 20 chapters in edited volumes in 2017-18.¹ Some research highlights are discussed further on. In addition, Center Associates held 48 active research grants totaling \$48,865,206 from sources including the National Institutes of Health, National Institutes on Aging, National Science Foundation, National Aeronautics and Space Administration, US Department of Defense, and W.K. Kellogg Foundation. Area Director Michael Gurven's Tsimane Health and Life History Project was awarded new grants from NIH totaling \$6.8 million to study cognitive aging and dementia. **Appendices 1 and 2** provide complete lists of the above publications and grants, respectively; a searchable database of [Broom Center publications](#) is available on the Center's website.

Broom Research Associates collected many new honors and distinctions in 2017-18, and they continue to hold numerous honorary professional positions, some of which are listed in **Appendix 3**. Of particular note this year is the appointment of [Noah Friedkin](#) and [Brenda Major](#) as 2017 fellows of the American Association for the Advancement of Science, AAAS. [AAAS](#) is the world's largest general scientific society and publisher of *Science* and other prestigious journals. Brenda Major (Psychology) was recognized for distinguished contributions to understanding the effects of discrimination and stigma and the potential for psychological resilience. Noah Friedkin (Sociology) was selected for major contributions to mathematical sociology, network theory, and its sociological and psychological implications. In addition, Brooms Associate Director Shelly Lundberg was elected President of the European Society for

¹ The other items include encyclopedia entries, proceedings and reprints. The count of publications in Appendix 1 includes all items that were published in 2017, 2018 or forthcoming at the time of this writing. To ensure comparability over time, the Center uses the same approach in all its reports.

Population Economics, and served as Chair of the American Economic Association's Committee on the Status of Women in the Economics Profession.

Research by Broom Research and Graduate Associates received prominent media coverage in 2017-18. Sociologist Sarah Thébaud's research on gender inequalities in households and workplaces was picked up by numerous national and international media outlets, including *Time*, *The Economist*, *Financial Times*, *Salon*, NPR, BBC, and CBS. Anthropologist and Biodemography Area Director Michael Gurven and his team also continued to receive much media coverage for their research on the social structures and health outcomes of forager-farmers in Bolivia. **Appendix 4** shows other recent media and public policy contributions by Broom Graduate and Research Associates.

The Center continued to operate its lively and well-attended [Seminar Series](#) featuring cutting-edge research talks by speakers from UCSB and around the state, country, and world. This year's lineup included Mike Gurven (UC Santa Barbara, Anthropology), Terence Keel (UC Santa Barbara, Black Studies), Amy Boddy (UC Santa Barbara, Anthropology), Deborah Cobb-Clark (University of Sydney, Economics), Tony Goldberg (University of Wisconsin, Epidemiology), Kyle Crowder (University of Washington, Sociology), Emily Oster (Brown University, Economics), Joscha Legewie (Yale, Sociology), Douglas Almond (Columbia University, Economics), Siobhán Mattison (University of New Mexico, Anthropology), Rachel Franklin (Brown University, Population Studies), Tukufu Zuberi (University of Pennsylvania, Sociology), Jennifer Glass (University of Texas - Austin, Sociology), Hilary Hoynes (University of California, Berkeley, Economics), Raziel Davison (UC Santa Barbara, Anthropology), Janet Afary (UC Santa Barbara, Religious Studies) and Roger Friedland (UC Santa Barbara, Religious Studies and Sociology). Seminars are held in North Hall every other week. **Appendix 5** provides more information on topics and speakers.

In addition to regularly-scheduled seminars, two cross-disciplinary research conferences were hosted by the Broom Center during the 2017-18 academic year. In August 2017, Broom Area Director Edward Telles and UCLA Professor Raul Hinojosa co-organized ["Expanding Bridges and Overcoming Walls,"](#) a two-day event that brought top scholars and leading policymakers from Mexico and the United States to UCSB to initiate a dialogue on research and current events related to immigration, trade, and U.S.-Mexico relations. For this contribution to the community, the Broom Center received a commendation from the Los Angeles County Board of Supervisors in November 2017. In March 2018, Broom Associate David Lawson co-organized a second two-day conference titled ["Understanding Harmful Cultural Practices: Origins, Drivers and Behavior Change"](#) at UCSB. The event brought together a multidisciplinary group of social scientists, including anthropologists, demographers, sociologists, political scientists and economists to help forge new understandings of the origins and drivers of what have been called harmful cultural practices. Conference details and program can be found in **Appendix 6**.

During the 2017-18 academic year, the Broom Center hosted *Visiting Scholars* from eight countries (see **Appendix 7**). These included Anne Gronlund (Umea University, Sweden), Ilka Gerhardt (University of Munich), Sarah Nielsen (University of Copenhagen), Natasha McMaster (University College London), Deborah Cobb-Clark (University of Sydney), Ricard Zapata-Barrero (University Pompeu Fabra, Spain), Lucinda Fonseca (University of Lisbon, Portugal), and Leonardo Souza Silveira (Federal University

of Minas Gerais, Brazil). Visitors enrich the life of the Center by offering Seminar talks and new opportunities for research cross-fertilization and interdisciplinary collaborations.

The Center awarded its seventh set of *Graduate Student Research and Travel (GSRT) grants* in April 2018. These support dissertation research and attendance at training programs in demographic methods for qualifying Broom Graduate Associates. In the most recent funding round, 11 students received a total of \$16,525 in GSRT funds. The Center also supported the travel expenses of 4 Graduate Associates to the Population Association (PAA) annual meeting in Chicago. **Appendix 8** provides a complete list of grants awarded by the Center during the 2017-18 academic year.

The Center's *social demography computer lab* in North Hall offers a graduate student lounge and meeting space, state of the art hardware, and software ranging from Atlas.ti (a qualitative data analysis package) to statistical packages like Stata, SAS and SPSS, to flexible programming languages like Matlab and R. In-person advice on software, statistics, and study design is offered by a graduate student lab assistant. The Broom computer lab was renovated and reconfigured in spring 2018. Enhancements include more collaborative workspace, a large wall-mounted video display for presentations, and improved wireless connectivity.

The 2017-18 academic year also saw the inauguration of a new [Human Biodemography Laboratory](#) in UCSB's Bioengineering Building. Under the direction of Broom Area Director Michael Gurven and Research Associate Aaron Blackwell, this state-of-the-art wet lab utilizes enzyme immunoassays to measure biomarkers of stress, immune function, nutritional status, infection, and reproductive hormones to explore the individual and population-level determinants of human health. This integration of evolutionary biology with demography allows scholars to gain a better understanding of the range of variation in human health, physiology, and the life course from infancy to old age.

To support graduate student training in demography, the Broom lab operates a series of *Research Methods Mini-Courses*, taught by the lab assistant and other UCSB faculty and graduate students. These short modules are typically two-hour hands-on sessions. Methods courses have included Atlas-ti, Remote Sensing, Geographic Information Systems, Geographically Weighted Regression (GWR), using ArcGIS, Spatial Data Visualization in R, and Web Scraping with Python. In addition, Broom Graduate Associates are encouraged to present their in-progress research and get feedback through *Graduate Lab Lunches*. A list of 2017-18 Mini-Courses and Lab Lunches is provided in **Appendix 9**.

The Broom Center's *Interdisciplinary PhD Emphasis in Demography* completed its second year in 2017-18. Doctoral students in Anthropology, Economics, Geography, Global Studies, and Sociology can now add a Demography emphasis to their PhD degrees. Training includes a common core course in demographic methods, a proseminar, and a choice of demographically oriented courses in four participating departments. In the required reading/discussion group, Emphasis students read work of UCSB demographers, meet with Broom faculty affiliates and Seminar speakers, and discuss their own preliminary research plans. The program has been a great success so far. An overview of the PhD Emphasis and its requirements can be found in **Appendix 10**.

During 2017/18, several former Graduate Associates moved on to significant research-related positions in academia, government and the private sector, including at Brown University (Kevin Mwenda), Ohio State University (Valerie Bostwick), American University of Beirut (Serena Canaan), UC Santa Barbara's BREN School (Ashley Larson), Peking University (Yanjun Liu), Federal Reserve Bank of Philadelphia (Chris Severen), Innovation Lab for Peanut (Jessica Marter-Kenyon), and Deloitte Advisory (Vedant Koppera). The Center's Social Demography Lab Manager, Kevin Mwenda completed his PhD in summer 2018 and will start the 2018-19 academic year as Assistant Professor and Associate Director of Spatial Structures in the Social Sciences at Brown University's Population Studies and Training Center.

Research and education at the Broom Center is organized into six overlapping interdisciplinary areas: Family, Biodemography and Evolution, Environment, Population, and Health Dynamics, Sex and Gender, Education and Health, and Immigration, Race and Ethnicity. Research under each area is guided by an area director. Reports on each of the Center's six research areas follow.

Research Highlights: Family

The Family Demography Theme Director is Shelly Lundberg, who is also the Broom Professor of Demography and the Associate Director of the Broom Center. In total, 11 Research Associates and 11 Graduate Associates from Sociology, Economics, Anthropology, Political Science, and Geography conduct research and publish within this theme.

Research Associate Erika Arenas published two papers that contribute to the Broom Center's research theme on Family. In "*Abuelos at home: Differential impact on children's education by family structure (Research in Social Stratification and Mobility)*", Arenas asks whether the increased interaction between grandchildren and grandparents that results from improvements in life expectancy can benefit grandchildren. She uses panel data from the Mexican Family Life Survey to examine whether grandparents' co-residence influences grandchildren's education transitions. The results indicate that these effects may vary, depending on family structure and the roles that grandparents assume. In "*Offspring Migration and Parents' Emotional and Psychological Well-being in Mexico*" (*Journal of Marriage and Family*), Arenas and co-author Jenjira Yahirun find that parents whose offspring migrate to the U.S. experience worse outcomes than parents whose children did not migrate—with an increased likelihood of experiencing loneliness and a lower likelihood of recovering from parental sadness. Domestic migration did not appear to affect parental wellbeing, however. This study reinforces a body of evidence that assessments of the impacts of migration should include effects on those left behind.

In "*Trade-offs in children's time allocation: Mixed support for embodied capital models of the demographic transition in Tanzania*" (*Current Anthropology*) Broom Research Associate David Lawson and coauthors examine the impact of market integration on children's time allocation in rural populations that are undergoing socioeconomic 'modernization' with a focus on two communities in Tanzania. They find that market integration increases investment in education but that there are pronounced gender differences in effects on work. For boys, work declines because herding work is relatively incompatible

with schooling while for girls, schooling is more readily combined with domestic chores. Recent trends of higher school enrollment for girls may be explained by the higher opportunity costs to boy's education in herding communities. They note that international development programs should consider the wellbeing of girls whose leisure is reduced when market integration leads them to maintain a double-shift of school and domestic work.

Research Highlights: Biodemography and Evolution

The Broom Center's Biodemography area is directed by Michael Gurven. In its seventh year, this area has ten research associates and seven graduate student associates, spanning anthropology, geography, and economics departments. Many of the theme's publications stem from the Evolutionary Anthropology and Biodemography Research Group, where the Tsimane Health and Life History Project (THLHP) (directed by Gurven) forms a central role. THLHP has been continuously funded by NIH/NIA since 2004, and was just awarded two five-year R01 grants (totaling \$6.8 million) starting September 2017, to expand its scope to study cognitive aging and dementia.

Area publications demonstrate the value of an evolutionary approach on a variety of themes that span across the social and natural sciences. Thirty-eight publications from 2017-2018 appear in diverse, prestigious journals, such as the *Current Anthropology*, *European Heart Journal*, *Social Science & Medicine*, *Child Development*, *Nature Human Behaviour*, *Evolution and Human Behavior* and *American Journal of Physical Anthropology*.

A number of these papers were featured prominently in the national and international media. For example, in *Social Science & Medicine*, Broom associate Gurven and Broom graduate associate Sarah Alami showed that schooling and familiarity with modern medical treatments were less influential in predicting whether sick Tsimane Amerindians in rural Bolivia sought treatment, than their beliefs about control over their health, i.e. locus of control. It highlights how adverse environments may shape health-related behavior, and points toward novel approaches for interventions to improve health outcomes in high risk settings. This study was highlighted on NPR's [Goats & Soda](#). In *Maternal & Child Nutrition*, Gurven and former visiting Broom scholar Megan Costa showed that actual fertility often exceeds reports of desired fertility, and that children representing this "excess" fertility may experience neglect or compromised health. In *Nature Human Behaviour*, Gurven and colleagues explored factors associated with widespread intimate partner violence among Tsimane, showing that spousal violence was robustly associated with higher marital fertility – consistent with men's higher desired fertility than their wife's. No support was found for childhood exposure to parental violence, or for generalized violence against others to predict likelihood of spousal abuse; instead only men's attitudes about controlling their spouse mattered. Lastly, in *American Journal of Physical Anthropology*, Broom associates Gurven and Aaron Blackwell develop Tsimane-specific child growth references, and explore key ways age-specific curves differ from the commonly used WHO reference curves. This work challenges notions of universal human growth patterns, and considers the role of ecological context in shaping optimal growth trajectories.

Broom faculty associate David Lawson has advanced his empirical field program in rural Tanzania, focused on understanding the myriad motivations underlying fertility change. He published two papers on fatherhood based on field projects in two different African populations. The first paper in *Adaptive Human Behavior and Physiology* demonstrated that fatherhood is associated with reduced testosterone among Gambian men, consistent with the hypothesis that testosterone regulates trade-offs between mating and parenting effort. The second paper in *American Journal of Human Biology* demonstrated contextual variation in the impacts of father absence in Tanzania; while divorce and paternal death are associated with poor health, children fostered away from both parents are not obviously disadvantaged. David also published a paper in *Current Anthropology* with his graduate student Sophie Hedges that demonstrated that the opportunity costs of schooling in terms of reduced child labor are modest in rural Tanzania, potentially accounting for why fertility decline is stalling despite uptake of education.

As noted above, Lawson together with Mhairi Gibson (U of Bristol) organized an interdisciplinary Broom Center workshop, “Understanding harmful cultural practices”, additionally funded by the College of Letters and Science. This meeting, held in March 2018, brought together nine evolutionary anthropologists and scholars across social and health sciences to foster new dialogue about both the origins and drivers of so-called harmful cultural practices, and the design and impact of intervention strategies. There were 56 people in attendance. Themes focused on female genital cutting, child marriage, intimate partner violence, polygynous marriage, and dowry/bridewealth practices (see [here](#) for overview). The meeting helped provide fresh insights regarding the extent to which these practices may bring harm and/or benefits to different members of society. An important challenge lies in communicating this research to applied social scientists and policymakers. A separate workshop on the day following the meeting aimed to open up new channels of cross-disciplinary dialogue. Workshop sessions focused on arising contradictions and evidence gaps in the existing literature, recommendations for culturally-sensitive policy, and the benefits and difficulties of pursuing interdisciplinary research.

Research Highlights: Environment, Population, and Health Dynamics

The Broom Center’s Environment, Population, and Health Dynamics theme has 23 Graduate Student Associates and 10 Research Associates. This theme is directed by David Lopez-Carr and focuses on the interactions between humans and their environment and the implications that these interactions have for population and environmental dynamics.

This year, many affiliates focused on health dynamics. David Ervin, Cascade Tuholske, and David Lopez-Carr authored a paper concerning the Geography of Malnutrition, which is currently in press. Additionally, Lee Voth-Gaeddert and his co-authors published a paper about the causes of stunting in children in Guatemala in the *International Journal of Hygiene and Environmental Health*. This study searched for environmental and demographic factors that could help further understand and mitigate the contributing causes to Guatemala’s high stunting rate. Associate Olivier Deschenes collaborated with Alan Barreca and Melanie Guldi to write “Maybe Next Month? Temperature Shocks, Climate Change, and Dynamic Adjustments in Birth Rates,” which was published in *Demography*. Deschenes, Barreca, and

Guldi analyzed the relationship between temperature shocks and birth rates in the United States over a 79-year period to help investigate the possibility of offsetting the fertility costs of climate change.

Within health dynamics, both domestic and international public health was a popular emphasis for our affiliates. Michelle Wong and colleagues authored a paper which explained the results of creating a community air monitoring network in Imperial County, California. Published in the *International Journal of Environmental Research and Public Health*, this paper explains their methodology behind creating a network that informs community residents, while also supporting research and providing direction for public policy. Brissett and co-authors focused on international public health in their paper on the Zika virus. This study assessed the effectiveness of a Zika virus public health educational campaigns of Roatán, Honduras and was published in *The American Journal of Tropical Medicine and Hygiene*.

Alan Murray, a research associate in the Environment, Population, and Health Dynamics theme, published multiple works this year. In collaboration with Lindsey Conrow and Heather Fischer, Murray authored “An optimization approach for equitable bicycle share station siting” which was published in the *Journal of Transport Geography*. They used GIS and spatial optimization to find ideal sites for bike share stations. Murray also collaborated with Shaohua Wang, Song Gao, Xin Feng, and Yuan Zeng to publish “A context-based geoprocessing framework for optimizing meetup location of multiple moving objects along road networks” in the *International Journal of Geographical Information Science*.

Research Highlights: Sex and Gender

Broom Sex and Gender research utilizes diverse methodological approaches to describe and explain inequalities within workplaces, schools, families, and other social institutions. Contributing to this Area are 12 faculty Research Associates and 14 Graduate Student Associates from 7 departments and programs. Area Associates study gender and sexuality at diverse analytical levels, ranging from analyses of gendered identities, attitudes, and interactions to the mapping of global trends in employment, family structures, and belief systems. In 2017 and 2018, Sex and Gender Associates published more than two dozen research articles, chapters, and books related to gender and sexuality. Research in the Area is coordinated by Maria Charles, who is also Director of the Broom Center and Professor of Sociology. Highlights from the 2017-18 academic year are summarized below.

After organizing a successful conference that interrogated the concept of “harmful cultural practice,” Broom Associate David Lawson and his collaborator Mhairi Gibson published an article in *Demographic Research* titled “Polygynous marriage and child health in Sub-Saharan Africa: What is the evidence for harm?” Lawson and Gibson present a critical review of the empirical literature on polygyny and child health and demonstrate the contextual dependence of the relationship, even within Africa. Although polygyny is most frequently associated with poor child health, existing evidence suggests that it may be inconsequential or even beneficial to children under some circumstances. The authors point to substantial variety in polygyny’s form, in the locally available alternatives, and in the wider context of the practice that make causal inferences difficult – especially with the available data.

Gender and STEM was again a focal research theme for Broom research associates in 2018. Following a 2017 Broom Center conference on the topic, sociologists Sarah Thébaud and Maria Charles co-edited a special issue of the journal *Social Sciences*, which is also forthcoming as a book: *Gender and STEM: Understanding Segregation in Science, Technology, Engineering and Mathematics*. Contributors apply diverse theoretical lenses and methodological approaches to understand gender segregation of STEM fields in the United States, including how gender interacts with racial, ethnic, class, and/or sexual identities, and how these dynamics vary across time and organizational contexts. The introductory chapter, "Segregation, Stereotypes, and STEM," assesses available evidence on different theoretical accounts of gender segregation within scientific and technical fields. The existing evidence suggests, in particular, that Western cultural stereotypes about the nature of STEM work and about the intrinsic qualities of men and women can be powerful drivers of individual aptitudes, aspirations, and affinities.

Other new research related to gender and sexuality includes an article by Sarah Thébaud and coauthors on gender inequality in family business succession. "A Suitable Boy? Gendered Roles and Hierarchies in Family Business Succession," published in the *European Management Review*, shows the complicated gender dynamics that underlying selection of family business successors. In addition, Broom Associate Verta Taylor and collaborators released the 10th edition of *Feminist Frontiers*, a widely used interdisciplinary anthology on the causes and consequences of gender inequality in interaction with race, ethnicity, class, sexuality, ability, and nation. With former Broom Graduate Associate Heather Hurwitz, Professor Taylor has also published a book chapter, "Women Occupying Wall Street" on the significance of gender conflict and feminist mobilization in the Occupy movement.

Research Highlights: Education and Health

The Broom Center's Education and Health Area Director is Heather Royer. Royer is an Associate Professor of Economics and Research Fellow at the National Bureau of Economic Research. This research area includes 17 research associates and 15 graduate student associates from Anthropology, Economics, Geography, Global Studies, Psychological and Brain Sciences, and Sociology. For the 2017-2018 period, Education and Health researchers produced 13 publications including those in *Management Science*, *Journal of Health Economics*, *Developmental Psychology*, *Nature Human Behaviour*, *Journal of Public Economics*, and *Journal of Economic Behavior and Organization*. Examples of these studies are below.

Individuals often face difficulty developing new habits, particularly in the domain of health behaviors. Thus, a ripe time for intervention to develop good habits is possibly at the time when individuals start to engage in the behavior. In "Can financial incentives help people trying to establish new habits? Experimental evidence with new gym members," Research Associate Heather Royer and coauthors study whether gym attendance incentives can help to initiate exercise habits among new gym members. The authors conduct a randomized-controlled trial and find that monetary and non-monetary incentives do not slow the natural decline in gym attendance over time. In the study of health behaviors, the intention gap (i.e., the difference between intentions and actions) is often mentioned. For example, one plans to attend the gym but does not carry through with their plans. In "The Limits of Simple Implementation Intentions: Evidence from a Field Experiment on Making Plans to Exercise" Research

Associate Heather Royer and coauthors test whether encouraging individuals to make specific plans to attend the gym, including the time and date of their intended attendance, are effective in reducing the intention gap. Despite the fact that the intervention induced individuals to make plans, the intervention was ineffective in boosting gym attendance.

In “Experimental methods: Measuring effort in economics experiments” Research Associate Gary Charness and co-authors delve into understanding the measurement of effort in laboratory experiments. Traditionally, there are two ways to measure effort: stated effort and real effort. In an experiment using stated effort, participants are told how their choices translate into outcomes (usually via a mathematical function) whereas in a real effort experiment, participants exert actual effort on a task and their performance on the task determines their payoff. They discuss how experimental results differ across these two methods and which method works best in different contexts.

Research Highlights: Immigration, Race and Ethnicity

Edward Telles is the area director for the Broom Center's Race, Ethnicity and Immigration theme. This area of research is multidisciplinary and uses a variety of quantitative and qualitative methods to understand race, ethnicity and immigration in a changing California, United States and the World. Sixteen research associates and nine graduate student associates, spread across seven departments, comprise the area. Telles continues to develop the area and has started an immigration initiative across campus, following his conference *Expanding Bridges and Overcoming Walls* that brought together policymakers and leading scholars from Mexico and the United States to initiate dialogue on state-of-the-art research and current events in immigration, trade, and U.S.-Mexico relations. Race, ethnicity and immigration associates published 17 articles, books or book chapters under this theme in 2017-18.

Broom Associate Emiko Saldivar and Erika Arenas recently began their Kellogg funded project to examine the validity and reliability of the question proposed by the Census Bureau in Mexico to measure the afro-descendant population in their 2015 Intercensal National Survey. The inclusion of the question in this survey is a major achievement that recognizes and makes visible black people in Mexico. They have recently published an article about methodological considerations in the minefield of counting Mexico's afrodescendant population.

Howard Winant has also released a new book: "Global Raciality: Empire, PostColoniality, DeColoniality " that expands our understanding of race, space, and place by exploring forms of racism and anti-racist resistance worldwide. The edited book addresses neoliberalism; settler colonialism; race, class, and gender intersectionality; immigrant rights; Islamophobia; and homonationalism; and investigates the dynamic forces propelling anti-racist solidarity and resistance cultures. Midway through the Trump years and with a rise in nativism fervor across the globe, this expanded approach captures the creativity and variety found in the fight against racism we see the world over. Professor Winant's *Racial Formations* book (with Michael Omi) was recently released in a third edition and is the most cited book ever in the area of race and ethnicity.

Telles has published several articles on Latinos in the United States in *The Annals of American Academy of Political and Social Science*, the *Sociology of Race and Ethnicity* and *Nexos* (Mexico) on ethnicity and race in Latin America in *Social Forces* and *Ethnic and Racial Studies* and on colorism worldwide in the *Annual Review of Sociology*.

David López-Carr leads a research team that published "Geographical and individual determinants of rural out-migration to a tropical forest protected area: the Maya Biosphere Reserve, Guatemala" in *the European Journal of Geography*. They find that migration necessarily precedes deforestation in tropical agricultural frontiers. Therefore, identifying individual, household and place characteristics (demographic, political, social, economic, and ecological) related to this process is crucial for understanding the drivers of tropical deforestation and will in turn be useful for developing policies to reduce deforestation.

Appendices

1. Publications
2. Active Funding
3. Recognition and Service
4. Media and Public Policy Contributions
5. Seminar Schedule
6. Workshop Agenda and Participants
7. Visitors
8. Grants Awarded by the Broom Center
9. Methods Mini-Courses and Graduate Student Presentations
10. Interdisciplinary PhD Emphasis in Demography

Appendix 1

Publications in 2017/18²

Erika Arenas

Erika Arenas, Hector Conroy, Jenna Nobles. Forthcoming. Recent Trends in Internal and International *Mexican Migration: Evidence from the Mexican Family Life Survey*, edited by Universidad Iberoamericana. C

Saldívar, Emiko, Patricio Solís, and Erika Arenas. 2018. Consideraciones metodológicas para el conteo de la población afroamericana en el Censo 2020. *Conyuntura Demográfica (forthcoming)*. A

Yahirun, Jenjira, and Erika Arenas. 2018. Offspring Migration and Parents' Emotional and Psychological Well-being in Mexico. *Journal of Marriage and Family*, 80(4) 975-991. A

Arenas, Erika. 2017. *Abuelos* at home: Differential impact on children's education by family structure. *Research in Social Stratification and Mobility*, 52, 36–48. A

Aaron Blackwell

Hodges-Simeon, CR, Prall, SP, Blackwell, AD, Gurven, MD, Gaulin, SJC. 2017. Adrenal maturation, nutritional status and mucosal immunity in Bolivian adolescents. *American Journal of Human Biology*, in press. A

Garcia, AR, Gurven, MD, Blackwell, AD. 2017. A matter of perception: perceived socio-economic status and diurnal cortisol on the island of Utila, Honduras. *American Journal of Human Biology*, in press. A

Garcia, AR, Blackwell, AD. 2017. The physiological constellation of deprivation: immunological strategies and health outcomes (Commentary on: Pepper and Nettle, "The Behavioural Constellation of Deprivation: Causes and Consequences"). *Behavioral and Brain Sciences*, in press. A

Blackwell, AD. 2017. Expanding the insurance hypothesis of obesity with physiological cues (Commentary on Nettle, Andrews, and Bateson, "Food insecurity as a driver of obesity in humans: The insurance hypothesis"). *Behavioral and Brain Sciences*. 40, e108 DOI: <https://doi.org/10.1017/S0140525X16001333>. A

Gurven, M, Kaplan, H, Stieglitz, J, Trumble, B, Blackwell, AD, Beheim, B, Hooper, P. 2017. The Tsimane Health and Life History Project (THLHP): Integrating anthropology and biomedicine. *Evolutionary Anthropology*. 26(2) 54-73. DOI: 10.1002/evan.21515. A

² To facilitate comparability of research output over time, this appendix reports all publications by Center Associates in 2017 and 2018, plus all accepted, forthcoming items.

*Item is listed more than once in this report, since it has multiple Broom authors.

A - peer-reviewed article, B - book, C - chapter in edited volume, O - other

Trumble, BC, Stieglitz, J, Blackwell, AD, Allayee, H, Beheim, B, Finch, CE, Gurven, MD, Kaplan, HS. 2017. Apolipoprotein E4 is associated with improved cognitive function in Amazonian forager-horticulturalists with a high parasite burden, *The FASEB Journal*. DOI:10.1096/fj.201601084R.* A

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Nella Van Dyke and Verta Taylor. 2018. Cultural Consequences of Social Movements. Pp. 482 to 498. *Wiley Blackwell Companion to Social Movements, 2nd Edition*, edited by David Snow, Sarah Soule, Hanspeter Kriesi and Holly McCammon. Oxford: Wiley Blackwell. C

Heather McGee Hurwitz and Verta Taylor. 2018. Women Occupying Wall Street: Gender Conflict and Feminist Mobilization. Pp. 334-355. *100 Years of the Nineteenth Amendment: An Appraisal of Women's Political Activism*. New York/Oxford: Oxford University Press. C

Holly J. McCammon, Verta Taylor, Jo Reger, and Rachel Einwohner. 2017. *The Oxford Handbook of U. S. Women's Social Movement Activism*. New York/Oxford: Oxford University Press. B

Leila J. Rupp, Verta Taylor, and Benita Roth. 2017. Women in LGBT Movements. Pp. 664-684. *The Oxford Handbook of U. S. Women's Social Movement Activism*, edited by Holly J. McCammon, Verta Taylor, Jo Reger, and Rachel Einwohner. New York/Oxford: Oxford University Press. C

Holly J. McCammon, Verta Taylor, Jo Reger, and Rachel Einwohner. 2017. Introduction. Pp. 1-25. *The Oxford Handbook of U.S. Women's Social Movement Activism*, edited by Holly J. McCammon, Verta Taylor, Jo Reger, and Rachel Einwohner. New York/Oxford: Oxford University Press. C

Edward Telles

Telles, Edward and Florencia Torche. Forthcoming. Varieties of Indigeneity in Latin America. *Social Forces*. A

Telles, Edward. 2018. Race, Latinos and the U.S. Census. *The Annals of The American Academy of Political and Social Science*. 677(1): 153 – 164. A

Telles, Edward and Vilma Ortiz. Forthcoming. La Integracion de Mexico-Americanos en Estados Unidos. *Nexos (Mexico)*. A

Telles, Edward. 2017. Multiple Measures of Ethnoracial Classification in Latin America. *Ethnic and Racial Studies* 40(13): (Special Issue on International Perspectives on the Measurement of Race and Ethnicity). A

Ortiz, Vilma and Edward Telles. 2017. Third Generation Disadvantage among Mexican Americans. *Sociology of Race and Ethnicity* 3(3). October. A

Dixon, Angela and Edward Telles. 2017. Skin Color and Colorism: Global Research, Concepts, and Measurement. *Annual Review of Sociology* 43(1):405–24. A

Telles, Edward E. and Christina Sue. Between Mexican and American. Under contract with Oxford University Press. B

Jose Vicente Tavares dos Santos and Edward Telles (eds.) Global Frontiers in Social Control and Deviance. Under Contract with Springer Press. B

Sarah Thébaud

Thébaud, Sarah and Maria Charles. 2018. Segregation, Stereotypes, and STEM. *Social Sciences* 7(7):1-19. A

Charles, Maria and Sarah Thébaud, editors. In press. Gender and STEM: Understanding Segregation in Science, Technology, Engineering and Mathematics. *Social Sciences* Special Issue. MDPI. B

Byrne, Janice, Salma Fattoum and Sarah Thébaud. 2018. A Suitable Boy? Gendered Roles and Hierarchies in Family Business Succession. *European Management Review*. A

Doering, Laura and Sarah Thébaud. 2017. The Effects of Gendered Occupational Roles on Men's and Women's Workplace Authority: Evidence from Microfinance. *American Sociological Review* 82(3):542-567. A

Kuwabara, Ko and Sarah Thébaud. 2017. When Beauty Doesn't Pay: Gender and Beauty Biases among Entrepreneurs in a Peer-to-peer Loan Market. *Social Forces* 95(4): 1371-1398. A

Weeden, Kim A., Sarah Thébaud, and Dafna Gelbgiser. 2017. Degrees of Difference: Gender Segregation of US Doctorates by Field and Institutional Prestige. *Sociological Science* 4:123-150. A

Cascade Tuholske

Brissett, D. I., Tuholske, C., Allen, I. E., Larios, N. S., Mendoza, D. J., Murillo, A. G., & Bloch, E. M. 2018. Zika Virus: Knowledge Assessment of Residents and Health-Care Providers in Roatán, Honduras, following an Outbreak. *The American journal of tropical medicine and hygiene*. <https://doi.org/10.4269/ajtmh.18-0014>. A

Ervin D., Tuholske, C., and D. López-Carr. 2018 "The Geography of Malnutrition." in *Food and Place: A Critical Exploration*, edited by Pascale Joassart-Marcelli and Fernando Bosco. Washington, DC: Rowman and Littlefield. C

Ervin D., Tuholske, C., and D. López-Carr. 2017. "Global Hunger." in *Food and Place: A Critical Exploration*, edited by Pascale Joassart-Marcelli and Fernando Bosco. Washington, DC: Rowman and Littlefield. C

Blekking, J., Tuholske, C., & Evans, T. 2017. Adaptive Governance and Market Heterogeneity: An Institutional Analysis of an Urban Food System in Sub-Saharan Africa. *Sustainability*, 9(12), 2191. <http://dx.doi.org/10.3390/su9122191>. A

Tuholske, C., Tane, Z., Lopez-Carr, D., Roberts, D., & Cassels, S. 2017. Thirty years of land use/cover change in the Caribbean: Assessing the relationship between urbanization and mangrove loss in Roatan, Honduras. *Applied Geography*, 88, 84-93. <https://doi.org/10.1016/j.apgeog.2017.08.018>. A

John Weeks

John R. Weeks. In press. Demographic Transition Theory. Bryan S. Turner, ed., *The Wiley Blackwell Encyclopedia of Social Theory* (Oxford, UK: Wiley Blackwell Publishing Co.). O

Weeks, John R. Demography is an Inherently Spatial Science, in Frank M. Howell, Jeremy R. Porter, and Stephen A. Matthews. In press. *Recapturing Space: New Middle-Range Theory In Spatial Demography*. Dordrecht, The Netherlands: Springer. c

Magdalena Benza, John R. Weeks, Douglas A. Stow, David López-Carr, and Keith C. Clarke. 2017. Fertility and Urban Context: A Case Study from Ghana, West Africa, Using Remotely Sensed Imagery and GIS. *Population, Space and Place*, DOI: 10.1002/psp.2062. A

Catherine Weinberger

Weinberger, C. 2018. Engineering Educational Opportunity: Impacts of 1970s and 1980s Policies to Increase the Share of Black College Graduates with Major in Engineering or Computer Science. *U.S. Engineering in the Global Economy*, edited by Richard Freeman and Hal Salzman, National Bureau of Economic Research/University of Chicago Press. c

Howard Winant

Howard Winant. Foreword: New Racial Studies, Race, and Empire. Paola Bacchetta & Sunaina Maira, eds. O

Howard Winant. Forthcoming 2018. *Global Raciality: Empire, PostColoniality, DeColoniality*. New York: Routledge, "A New Racial Studies Book." B

Howard Winant. Forthcoming 2017. Charles Mills for and against Black Liberalism. *Ethnic and Racial Studies Review*. A

Winant, Howard. Forthcoming. Foreword to John S.W. Park and Shannon Gleeson, eds. *The Nation and Its Peoples: Citizens, Denizens, Migrants*, a New Racial Studies series book. New York: Routledge. c

Howard Winant. 2017. World-Historical Du Bois. *Ethnic and Racial Studies Review* Vol. 40, no. 3. A

Anne Wong

Wong, Yan Ling Anne, and Maria Charles. In Press. Occupational Segregation. *Companion to Gender Studies*, edited by Nancy A. Naples. Wiley-Blackwell. O

Blair-Loy, Mary, Laura E. Rogers, Daniela Glaser, Y. L. Anne Wong, Danielle Abraham, and Pamela C. Cosman. 2017. Gender in Engineering Departments: Are there Gender Differences in Interruptions of Academic Job Talks? *Social Sciences* 6(1), 29. A

Appendix 2

Active Funding in 2017/2018

Amy Anderson

National Science Foundation Graduate Research Fellowship, Honorable Mention

UCSB Integrated Anthropological Sciences Graduate Student Research and Writing Grant. \$2,000.

Human Biology Association Student Member Travel Award. \$500.

Erika Arenas

Faculty Career Award for UCSB. 2018.

W.K. Kellogg Foundation. 2017. Inclusion of the Black Population in Mexico's 2020 Census. (Co-PI). \$372,000

UC MEXUS. 2017. The role of documentation status on mental health of Mexican immigrants in the United States. \$25,000 (PI).

Susan Cassels

UCSB. 2016-2017. Spatial models of human migration, environment, and infectious disease transmission: The case of Zika virus disease Hellman Family Faculty Fellows Program, Cassels, S (PI), \$20,000.

NIH/NICHD R21 HD080523. 2015-2017. Mathematical models to inform effective home-use HIV testing strategies for MSM. Cassels, S. (PI). \$434,851.

Center for AIDS Research. 2013-2018. NIH/NIAID P30 AI27757. Co-investigator; Role: Core faculty in Sociobehavioral and Prevention Research Group.

Devin Cornell

Instructional Development Grant: Mohr, John M., Cornell, Devin J. 2018. Integration of Computational Methods in Sociology Curriculum.

UCSB Network Science IGERT Innovation Grant. 2017. Culture and Discourse in the Colombian Peace Process. \$6,000.

Olivier Deschenes

National Institutes of Health / National Institute of Environmental Health Sciences, Grant number R21ES019375. Using Medication Purchases to Measure the Health Consequences of Air Pollution (with M. Greenstone and J. Shapiro). \$334,951.

Noah Friedkin

U.S. Department of Defense. 2015-2020. Multidisciplinary University Research Initiative on Social Networks and Team Dynamics in Task-Oriented Groups. 3 UCSB PIs: Noah Friedkin, Ambuj Singh and Francesco Bullo. \$6,250,000.

United States Geological Service. 2012-2018. Using Very High Resolution Remotely Sensed Data to Measure Cultivated Area and Land Use in High Fertility Countries. \$178,000.

Angela Garcia

Wenner-Gren Foundation Dissertation Grant 2017. \$20,000.

Academic Senate student travel grant. 2017. \$585.

Michael Gurven

UCSB Academic Senate. Prevalence and correlates of vertebral fracture among Bolivian forager-farmers. (PI). \$7,500.

National Institutes of Health/NIA Grant. R01. 2017-2022. Brain atrophy, cognitive impairment and Alzheimer's in a low CVD-risk population. (Joint PI: Michael Gurven, Hillard Kaplan, Caleb Finch, Gregory Thomas). \$3,773,865.

Corbin Hodges

Borlaug Fellowship. 2017. \$17,250.

Natasha Krell

Fulbright Fellow to Kenya. 2018. PI.

David Lopez-Carr

National Science Foundation Long Term Ecological Research. 2012-2018. Santa Barbara Coastal LTER: Long-term dynamics of. D. R. Reed, S. Holbrook, J. Melack, and D. Siegal, (P.I.s). D. López-Carr et al. (co-Is) \$4,200,000 (Renewal)

National Geographic Explorers Grant. 2016-2018. Does REDD+ increase carbon emissions by enabling migration? Reducing Emissions from Deforestation and Forest Degradation (REDD+) and out-migration from the Maya Biosphere Reserve (MBR), Guatemala. D. López-Carr PI \$19,262.

University of California, Office of the President. 2016-2019. Innovative Learning Technology Initiative (ILTI) Course Development Grant: "Global Population, Health, and Environment". PIs W. Smith and D. López-Carr. \$220,000.00.

University of California, Research Programs on Migration and Health (PIMSA). 2018-2020. Agricultural Productivity and Worker Health: The Hidden Costs of Extreme Heat. PIs David Lopez-Carr and Armando Sanchez Vargas. \$24,948.

University of California Institute for Mexico and the United States (UC MEXUS), UC MEXUS-CONACYT. 2018 - 2019. Collaborative Grant Extreme Heat and Migrant Workers: Enhancing Health Resilience and Productivity. PIs David Lopez-Carr and Armando Sanchez Vargas. \$24,979.

University of California Global Health Institute (UCGHI) Center of Expertise on Planetary Health. UC Counsel of Chancellors. 2016-2019. PIs D. López-Carr and W. Smith. \$600,000.

University of California, Office of the President Innovative Learning Technology Initiative (ILTI) 2016-2019. Course Development Grant: Global Population, Health, and Environment. PIs W. Smith and D. López-Carr. \$110,000.

Science for Nature and People Partnership (SNAPP) Grant. 2016-2018. Environmental levers for health: Advancing a priority agenda for Disease Ecology and "Planetary Health" in the 21st century. S. Sokolow and K. Lafferty (PIs). D. López-Carr (et al.) co-PI. \$200,000.

National Aeronautics and Space Administration (NASA) Earth System Science Fellowship. 2014-2017. Climate-induced Natural Hazards in the Central Himalaya: Evaluating Rain-on-Snow Flooding Events with Implications for Water Management. PI: D.L. Carr. \$90,000.

National Science Foundation. 2012-2018. Long Term Ecological Research Santa Barbara Coastal LTER: PIs D.R.. Reed, S. Holbrook, J. Melack, D. Siegel; co-I D. López-Carr et al. \$5,266,158.

National Science Foundation Dynamics of Coupled Natural and Human Systems (CNH). 2014-2018. Healthy Ecosystems, Healthy People: The Coupled Human Health and Environmental Dynamics of Schistosomiasis in Sub-Saharan Africa. PI A Curtis, co-P.I.s D. López-Carr, S. Sokolow, J. Sanchirico, J. Tidwell, Co-PI. \$1,499,897.

Shelly Lundberg

National Institute on Aging. 2013-2018. Add Health Parent Study: Phase I. V. (Co-investigator), Joseph Hotz and Kathleen Mullan Harris (PIs). R01 AG042794-02. \$7,000,000.

Brenda Major

UCSB Academic Senate Grant, Testing interventions to alleviate weight stigma effects. \$5,200.

UCSB College of Letters and Science, Office of the Executive Dean. Proposal for Conference on Current Directions in the Science of Human Resilience. \$2,500.

Karly Marie Miller

NSF Doctoral Dissertation Improvement Grant. 2017-2019. Assessing the Effects of Tourism Development on Small Scale Fisheries. BCS-1735886. \$12,860.

Jessica Marter-Kenyon

U.S. Borlaug Fellows in Global Food Security Graduate Research Grant 2016-2018. \$40,000.

Alan Murray

National Science Foundation . 2017-2019. PREEVENTS Track 2: Understanding Extreme Fire Weather Hazards and Improving Resilience in Coastal Santa Barbara, California. Carvalho, L., A. Murray, C. Jones, D. Roberts and R. Church. \$ 1,508,987.

Paulina Oliva

UC Mexico. 2015-2017. Environmental Monitoring, Public Information and Climate Change. \$30,000.

Heather Royer

UCSB Faculty Senate Grant for Effects of Drinking Water Quality on Infant Health. \$10,000.

Penn Roybal Center award for Can Financial Incentives. 2015-2017. Help People Trying to Establish New Habits? \$39,000. (with Justin Sydnor).

UCSB Pearl Chase Grant. 2015-2017. (with Kelly Bedard and Maya Rossin-Slater). \$5,000.

National Institute of Health. 2012-2018. R01 for Community Care for All? Health Centers' Impact on Access to Care and Health. (with Martha Bailey (PI) and Mireille Jacobson). \$1,600,000.

Maximilian Stiefel

European Doctoral School of Demography Research Fellow at the Max Planck Institute for Demographic Research. 2016-2017.

Cascade Tuholske

2017 Earth Research Institute Graduate Fellowship. \$1,500.

Katalyn Voss

Recipient, P.E.O. Scholar Award. 2017. \$15,000.

National Science Foundation Graduate Research Fellowship Program. 2014-2017. Successful Community-Based Water Adaptation: Finding Solutions through Coupled Human-Environment Research in Nepal. \$96,000.

John Weeks

The National Institute of Child Health and Human Development, 2016-2021. Adolescent pregnancy and social networks in rural Honduras. 5K01HD087551. John R. Weeks, Mentor to Holly Shakya (UCSD School of Medicine).

Appendix 3

Recognition and Service

Maria Charles

Editorial Board Member, *Socius* (2017-present).

Consulting Editor and Board Member, *Research on Social Stratification and Mobility* (2010- present).

Executive Advisory Board, UCSD Center for Research on Gender in the Professions (2010- present).

Elected Member, Sociological Research Association. (2010-present).

Gary Charness

Winner, Exeter Prize for Research in Experimental Economics, Decision Theory and Behavioral Economics.

Editorial Board, *Review of Behavioral Economics*. (2013 - present).

Visiting Professor, Southwestern University of Finance and Economics, Chengdu, Sichuan, China, December. (2012 - present).

Associate Editor, *Journal of the European Economic Association*. (2011- present)

Member, IZA, Bonn, November. (2011 - present)

Advisory Editor, *Games and Economic Behavior*. (2011 - present).

Ad-Hoc Editor, *American Economic Journals – Micro*. (2011 - present).

Member, CESifo, Munich, December. (2010 - present).

Associate Editor, *Management Science*. (2009 - present).

Director, Experimental and Behavioral Economics Laboratory, September. (2007 - present).

Editorial Board, *Experimental Economics*. (2006 - present).

Editorial Board, *American Economic Review*. (2006 - present).

Editorial Board, *Journal of Economic Behavior and Organization*. (2005 - present).

Devin Cornell

Top Student Paper: Hopp, Frederic R., Cornell, Devin J., Fisher, Jacob T., Huskey, Richard, Weber, René. 2018. The Moral Foundations Dictionary for News (MFD-N): A Crowd-Sourced Moral Foundations Dictionary for the Automated Analysis of News Corpora. National Communications Association Annual Meeting.

Top Student Contribution: *Institutions, Cognition, and Discursive Fields in Colombian Politics*. Examines the contributions of dual-process models to cultural and institutional analysis in the age of mass social media campaigns.

Noah Friedkin

Fellow, American Academy for the Advancement of Science (2017-)

Editorial Board, *Journal of Mathematical Sociology*. (2001- present).

Harrison White Outstanding Book Award, *Social Influence Network Theory*.

Steven Gaulin

Co-Editor-in-Chief, *Evolution and Human Behavior* (Elsevier). (2002 - present).

Michael Gurven

Member, National Science Foundation, Cultural Anthropology, Doctoral Dissertation Grant Review Committee. (2009-present).

Health consultant for Tsimane Government (*Asesor de Salud, Gran Consejo Tsimane*) (2009-present).

Unit Chair, Integrative Anthropological Sciences (IAS), UCSB. (2008-present.)

Associate Editor, *Evolution and Human Behavior* (Elsevier). (2007-present).

Affiliate, Latin American and Iberian Studies Department (2003-present).

Director, Tsimane Health and Life History Project. (2002-present).

Peter Kuhn

Editorial Board Member, *AEJ: Applied Economics*. (2013- present).

Associate Editor, *IZA World of Labor*. (2013- present).

Associate Editor, *IZA Journal of Labor Economics*. (2012- present).

Associate Editor, *Industrial and Labor Relations Review*. (2011- present)

Advisory Board Member, Canadian Labour Market and Skills Research Network (CLSRN). (2011- present)

Visiting Senior Fellow, Institute for the Study of Labor (IZA) Bonn, Germany. (2010- present).

Advisory Board Member, Experimental and Behavioral Economics Lab (EBEL), UCSB. (2007- present).

Fellow, Center for the Study of Poverty and Inequality (Stanford University). (2006- present).

Research Associate, National Bureau of Economic Research (Cambridge, MA). (2005- present).

Advisory Board Member, UCSB/Penn State GIS Population Science Program. (2004- present).

Associate Editor, *Labour Economics*. (2004- present).

Research Fellow, CESifo Research Network, Munich. (2000- present).

Research Fellow, Institute for the Study of Labor (IZA) Bonn. (1999 - present).

David Lopez-Carr

Population Specialty Group (PSG) of the Association of American Geographers (AAG) Research Excellence Award. 2017. Awarded bi-annually among AAG PSG members for a single piece of published work or a continuing record of high accomplishment.

Advisory Board Member, World Geography Editorial Management, ABC-CLIO Academic Publishers. (2011-present).

Core Faculty, Spatial Science minor, UCSB. (2010- present).

Affiliate Faculty, Global and International Studies, UCSB. (2010- present).

Research Associate, Center for Comparative Immigration Studies (CCIS) at University of California, San Diego. (2010- present).

Research Associate, UC Center for U.S.-Mexican Studies (USMEX). (2009- present).

Adjunct Faculty, Department of Geography, San Diego State University. (2008- present).

Steering Committee Member. International Geographical Union Land Use/Cover Change (LUCC) Commission. (2008-present).

Associate Editor. *Population and Environment*. Springer. (2008-present).

Editorial Board Member. *Journal of International and Global Studies*. Lindenwood University Press. (2008-present).

Affiliate Faculty, Interdisciplinary Program in Marine Sciences, UCSB. (2007- present).

Associate Investigator, Santa Barbara Channel (SBC) and Moorea Coral Reef (MCR) Long Term Ecological Research Network (LTER). (2007-present).

Affiliate Faculty, Latin American and Iberian Studies, UCSB. (2006- present).

Shelly Lundberg

Doctorate Honoris Causa, University of Bergen, (2012 - present).

Associate Editor, *IZA World of Labor*, (2012- present).

Guest Editor, *European Economic Review*, special issue on Gender Differences in the Labor Market. (2018).

Associate Editor, *Journal of Demographic Economics*. (2013-present).

Associate Director, Broom Center for Demography, (2011-present).

Fellow, Society of Labor Economists, (2008-present).

Research Fellow, IZA, (2004-present).

Board of Editors, *Review of Economics of the Household*, (2001- present).

Chair, Committee on the Status of Women in the Economics Profession, American Economic Association. (2016-2018).

President, European Society for Population Economics. (2018-2019).

Member, Standing Committee on the Future of Major NSF-Funded Social Science Surveys.

Committee on National Statistics of the National Academies of Sciences, Engineering and Medicine. (2015-2017).

Brenda Major

Fellow, American Academy for the Advancement of Science (2017-)

Editorial Board, *Psychological Review* (2010- present).

Editorial Board, *Social Justice Research*, (2003- present).

Aashish Mehta

Consultant – Education and Structural Transformation – Asian Development Bank (2012-Present)

Senior Collaborator – Center for Nanotechnology and Society, UCSB (2010-Present)

Victor Rios

Member, American Sociological Association, Committee on Racial and Ethnic Minorities (2010 - present).

Advisory Board Chair, Chicano Studies Institute UCSB. (2010 - present).

Advisory Board Member, Center for Black Studies UCSB. (2009 - present).

Editorial Board Member, *Aztlan: A Journal of Chicano Studies*. (2008 - present).

Committee Member, *Pacific Sociological Association*, Committee on Race and Ethnic Minorities. (2007 - present).

Racial Democracy, Crime and Justice Network Member, Ohio State University/National Science Foundation. (2007 - present).

Present Advisory Board Member, Kirwin Institute for the Study of Race and Ethnicity, Ohio State University, African American Male Project. (2006 - present).

Affiliated Faculty, Center for Culture, Immigration and Youth Violence Prevention University of California, Berkeley, Institute for the Study of Societal Issues. (2005 - present).

Heather Royer

Associate Editor, *Journal of Economic Behavior & Organization* (2011 - present).

Bing Health Scholar, RAND Corporation (2011 - present).

Faculty Research Fellow, National Bureau of Economic Research (2009 - present).

Cecilia Speroni

Project director for Mathematica Policy Research.

<https://www.mathematica-mpr.com/our-publications-and-findings/projects/research-experiences-for-undergraduates-reu>

Stuart Sweeney

Editorial Board member, *Spatial Demography* (2011- present)

Verta Taylor

Editorial Board, *Social Psychology Quarterly* (2014-present)

Editorial Board, *Social Currents* (2012- present)

Editorial Board, *Sociological Forum* (2007-present)

Editorial Board, *Mobilization: An International Journal about Social Movements, Protest, and Collective Behavior* (1995-present)

Editorial Board, *Social Movement Studies* (2002-present)

Associate Editor, Series on Social Movements, Protest, and Societies in Contention, University of Minnesota Press (1992-present).

Member, Advisory Board, Consortium on Social Movement Studies, Dept. of Political and Social Sciences, European University, Florence, Italy.

Edward Telles

Elected Member, American Academy of Arts and Sciences (2018-

Elected Member, Sociological Research Association. (2009-

Editorial Board Member, *Novos Estudos* CEBRAP (Brazil), 2016-

Editorial Board Member, *Ethnic and Racial Studies*, 2012-

Editorial Board Member, *Latin American and Caribbean Ethnic Studies*, 2011-

Editorial Board Member, *Debates en Sociología* (Peru) 2011-

John Weeks

Director, International Population Center, San Diego State University (2011 - present)

Member, University Student Learning Outcomes Assessment Committee, (2011-present).

Member, University Research Council, (2010-present).

Senior Fellow, California Council on Science and Technology (2008 - present)

Editorial Board, *GeoJournal* (2007 - present).

Clinical Professor of Global Public Health, School of Medicine, University of California, San Diego (1998 - present).

Editorial Board, *Journal of Immigrant Health* (1996 - present).

Appendix 4

Examples of Media and Public Policy contributions, 2017-18

Erika Arenas

Conference in Acapulco, Guerrero. "Challenges in the measurement of ethnic-racial inequality of indigenous and afro-descendant population in Mexico" (February 12-14, 2018) University of Guerrero <http://posgradoeinvestigacion.uagro.mx/videos.html>

Graciela Teruel, Erika Arenas, and Renata Flores. 2017. PROSPERA y el combate a la pobreza, *Secretaría de Desarrollo Social del México, Coordinación Nacional de PROSPERA*.

Graciela Teruel, Erika Arenas, and Renata Flores. 2017. Evaluación y seguimiento de PROSPERA Programa de Inclusión Social, *Secretaría de Desarrollo Social del México, Coordinación Nacional de PROSPERA*.

Erika Arenas, Graciela Teruel, Renata Flores. 2017. PROSPERA Programa de Inclusión Social: Combate a la pobreza con perspectiva de género. *Secretaría de Desarrollo Social del México, Coordinación Nacional de PROSPERA*

Michael Gurven

General research program:

Interviewed by Rigoberto Hernandez from Chemical Heritage Foundation on grandmother hypothesis for a podcast – 10/9/2017; "Grandmothers Matter":

<https://www.chemheritage.org/distillations/podcast/grandmothers-matter>

Radio piece on German radio on role of parasites on chronic disease risk – 1/9/2018

<https://www.swr.de/swr2/programm/sendungen/wissen/parasiten-global-player-der-oekosysteme/-/id=660374/did=20902960/nid=660374/1sungur/index.html>

Interviewed on the Top of Mind with Julie Rose show on BYURadio: 6/13/2017

<http://www.byuradio.org/episode/c44f3499-95f1-483e-959d-48617784e29e?playhead=4272&autoplay=true>

Press coverage on publications:

a. Cristia et al. Child Development paper:

Scientific American - <https://www.scientificamerican.com/article/parents-in-a-remote-amazon-village-barely-talk-to-their-babies-mdash-and-the-kids-are-fine/> - 12/5/2017

b. Alami et al. paper in Social Science & Medicine:

NPR: https://www.npr.org/sections/goatsandsoda/2018/03/11/591274115/how-to-get-people-to-see-a-doctor-when-they-dont-want-to?utm_source=twitter.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20180311

c. Wall Street Journal focus on Schniter et al. paper: 3/29/2018

<https://www.wsj.com/articles/grandparents-the-storytellers-who-bind-us-1522334268>

a. Press on Horvath et al. Genome Biology paper:

<http://medicalresearch.com/author-interviews/u-s-hispanics-age-more-slowly-than-caucasians-and-african-americans/27070/> (me interviewed)

<http://www.actuall.com/vida/la-paradoja-hispana-los-latinos-envejecen-mas-lentamente-en-eeuu-que-otras-etnias/>

b. Press coverage on Trumble et al. FASEB paper:

NY Times: <https://www.nytimes.com/2017/07/14/opinion/sunday/alzheimers-cure-south-america.html>

Atlantic: <https://www.theatlantic.com/science/archive/2017/01/why-does-a-gene-that-increases-alzheimers-risk-still-exist/512396/>

<http://www.biosciencetechnology.com/news/2017/01/ancient-dna-can-both-diminish-and-defend-modern-minds>

<https://alzheimersnewstoday.com/2017/01/24/gene-variant-tied-to-alzheimers-and-cognitive-decline-shows-genes-environment-interplay/>

<http://www.newhistorian.com/ancient-dna-helpful-may-now-cause-cognitive-harm/7847/>

<http://eju.tv/2017/01/los-tsimane-bolivianos-envejecen-dos-anos-menos-que-el-resto-de-latinos-segun-estudio/>

c. Kaplan et al. LANCET paper – 2394 Altmetrics score: #10 of 23,478 items from Lancet, top 5% of all research outputs scored by Altmetric. 310 news stories, 18 blogs, etc. 4/1/2017

NPR: <http://www.npr.org/sections/goatsandsoda/2017/03/21/520565500/who-has-the-healthiest-hearts-in-the-world> AUDIO: <http://www.npr.org/programs/morning-edition/2017/04/03/522418464/morning-edition-for-april-3-2017>

BBC: <http://www.bbc.com/news/health-39292389>

TIME: <http://time.com/4705247/healthy-diet-heart-disease/>

Canadian Broadcasting Company: <http://www.cbc.ca/news/health/tsimane-artery-age-1.4029549>

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David Lopez-Carr

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Shelly Lundberg

New York Times July 20, 2017. <https://www.nytimes.com/2017/07/20/opinion/how-fear-of-falling-explains-the-love-of-trump.html?action=click&pgtype=Homepage&clickSource=story-heading&module=opinion-c-col-left-region®ion=opinion-c-col-left-region&WT.nav=opinion-c-col-left-regionshell>

Washington Post on women in economics

(8/22/2017). https://www.washingtonpost.com/news/wonk/wp/2017/08/22/hotter-lesbian-feminazi-how-some-economists-discuss-their-female-colleagues/?utm_term=.ce0553c944cd

Also Bloomberg (8/23/2017): <https://www.bloomberg.com/view/articles/2017-08-23/economics-has-a-sexism-problem>

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<https://www.theatlantic.com/business/archive/2017/12/yellen-fed/548666/>

Wall St. Journal blog: <https://blogs.wsj.com/economics/2018/01/08/american-economists-to-set-up-forum-job-site-in-response-to-sexism-concerns/>

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Jessica Marter-Kenyon

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Heather Royer

For [Can Financial Incentives Help People Trying to Establish New Habits? Experimental Evidence with New Gym Members](#) (<http://faculty.weatherhead.case.edu/carrera/Media/WaPost-%20They%20offered%20to%20pay%20people%20to%20go%20to%20the%20gym.pdf>, [Wall Street Journal](#), [New York Post](#))

For The Impacts of Reduced Access to Abortion and Family Planning Services on Abortions, Births, and Contraceptive Purchases [Houston Chronicle](#), [MarketWatch](#)

Cecilia Speroni

Mathematica news release

<https://www.mathematica-mpr.com/news/research-shows-performance-bonuses-for-teachers-can-improve-student-achievement>

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Sarah Thébaud

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Appendix 5

2017-2018 Seminar Schedule

FALL:

Monday, October 2:

Mike Gurven (UC Santa Barbara, Anthropology)
"Costs of Reproduction in Natural Fertility Populations"

Monday October 16:

Terence Keel (UC Santa Barbara, Black Studies)
"How Christian Thought became the Science of Human Bio-Diversity"

Monday October 30:

Amy Boddy (UC Santa Barbara, Anthropology)
"Life History Theory and Cancer"

Monday November 13:

Deborah Cobb-Clark (University of Sydney, Economics)
"The Effect of Quarantining Welfare on School Attendance in Indigenous Communities"
Host: Shelly Lundberg

Monday December 4:

Tony Goldberg (University of Wisconsin, Epidemiology)
"Scary viruses, killer tapeworms and nostril ticks: emerging infections in a changing global environment"
Host: Mike Gurven

WINTER

Monday January 22:

Kyle Crowder (University of Washington, Sociology)
"The Social Drivers of Residential Stratification"
Host: Susie Cassels

Monday February 5:

Emily Oster (Brown University, Economics)
"Changes in Household Diet: Determinants and Predictability"
Host: Peter Kuhn

Monday February 12: Joscha Legewie (Yale, Sociology)

"Policing and the Educational Performance of Minority Youth"
Host: Maria Charles

Monday, February 26:

Douglas Almond (Columbia University, Economics)

"Perinatal Health Among 1 Million American-born Chinese"

Host: Heather Royer

Monday March 5:

Siobhán Mattison (University of New Mexico, Anthropology)

"The Demography of Matriliney"

Host: Mike Gurven

Monday, March 12:

Rachel Franklin (Brown University, Population Studies)

"Capturing the Spatial Dimensions of Decline: Metrics for Characterizing Population Loss"

Host: Stewart Sweeney

SPRING

Monday April 9:

Tukufu Zuberi, Lasry Family Professor of Race Relations (University of Pennsylvania, Sociology)

"The Population Principle of Race"

Host: Howard Winant

Monday April 23:

Jennifer Glass (University of Texas - Austin, Sociology)

"The Lie That Wouldn't Die: Effects of Work-Family Amenities on Women's Job Choices"

Host: Maria Charles

Monday May 7:

Hilary Hoynes (University of California, Berkeley, Economics)

"Local Food Prices, SNAP Purchasing Power, and Child Health"

Host: Shelly Lundberg

Monday May 21:

Raziel Davison (UC Santa Barbara, Anthropology)

"Evolutionary Retrospectives on the Human Life History Trajectory: Lessons from Small-Scale Societies and Chimpanzees"

Monday, June 11:

Janet Afary and Roger Friedland (UC Santa Barbara, Religious Studies)

"Critical Theory, Authoritarianism, and the Politics of Lipstick: From Weimar Republic to the Contemporary Middle East."

Appendix 6

2018 Workshop Agenda

Understanding Harmful Cultural Practices: Origins, Drivers & Behavior Change

Broom Demography Center Workshop

March 19 & 20, 2018
Mosher Alumni House
University of California,
Santa Barbara

Organizers: David Lawson (UCSB) & Mhairi Gibson (University of Bristol)

Agenda

Day 1 – Open to All.

8:15-8:45 Breakfast at Mosher House

8:45-9:00 **Welcome/Opening Remarks** from: the organizers, Dean Charles Hale (Dean of Social Sciences, UCSB) and Maria Charles (Director of the Broom Center, UCSB).

9:00-9:45 **Opening Talk: Kathryn Yount** (Hubert Department of Global Health, Emory University): *Gender Norms in the Global Social Ecology of Violence and Harmful Practices.*

Session 1: Female Genital Cutting

9:45-10:15 **Karisa Cloward** (Department of Political Science, Southern Methodist University): *When Norms Collide: Local Responses to Activism against FGM and Early Marriage.*

10:15-10:35 Coffee Break

10:35-11:05 **Mhairi Gibson** (Department of Anthropology and Archaeology, University of Bristol): *Measuring Hidden Support for 'Harmful Cultural Practices' in rural Ethiopia.*

11:05-11:35 Gerry Mackie (Department of Political Science, University of California, San Diego): *When and How is Law Effective in Reducing the Practice of FGM/C?*

11:35-12:00 Group Discussion

12:00-1:00 Catered Lunch

Session 2: Child Marriage

1:00-1:30 Erica Field (Department of Economics, Duke University): *Power vs Money: Alternative Approaches to Reducing Child Marriage in Bangladesh, A Randomized Control Trial.*

1:30-2:00 Susan Schaffnit (Department of Anthropology, University of California, Santa Barbara): *Understanding Early Marriage in Context: Marital Timing and Women's Wellbeing in Kisesa, Tanzania.*

2:00-2:30 Nicholas Syrett (Women, Gender and Sexuality Studies, University of Kansas): *Child Marriage and the Law in the United States.*

2:30-2:55 Group Discussion

2:55-3:15 Coffee Break

Session 3: Female Autonomy and Intimate Partner Violence

3:15-3:45 Jonathan Stieglitz (Institute for Advanced Study in Toulouse, Université Toulouse 1 Capitole): *Marital Violence and Fertility in a Relatively Egalitarian High Fertility Population.*

3:45-4:15 Janet Howard (Department of Anthropology and Archaeology, University of Bristol): *Can Evolutionary Anthropology Help to Explain Levels of Male-Female Intimate Partner Violence?*

4:15-4:45 Brooke Scelza (Department of Anthropology, University of California, Los Angeles): *Concurrency in Context: The Roles of Autonomy, Mobility and Kinship.*

4:45-5:10 Group Discussion

Day 2 – Closed Event. Invited Speakers and Delegates Only.

Held in the Board Room of Mosher House.

8:30-9:00: Breakfast at Mosher House

9:00-9:10 Introduction to Day's Structure and Objectives (Mhairi & David)

9:10-10:10 Flash presentations from those who did not speak in Day 1.

10:10-10:30 Coffee Break

10:30-12:00 Discussion Activity 1: Contradictions and Evidence Gaps

12:00-1:00 Catered Lunch

1:00-2:00 Discussion Activity 2: Behavior Change / Policy

2:00-3:00 Discussion Activity 3: Interdisciplinarity and Research Uptake

3:00-3:20 Coffee Break

3:20-4:30 Open Discussion & Publication Plans

Guest List (Day 1)

Elizabeth Agey, UCSB

Sarah Alami, UCSB

Amy Anderson, UCSB

Ronnie Bailey-Steinitz, UCSB

Jacky Banks, UCSB

Aaron Blackwell, UCSB

Monique Borgerhoff Mulder, UC Davis

Alison Brysk, UCSB

Oskar Burger -

Scott Calvert, Washington State University

Susan Cassells, UCSB

Maria Charles, UCSB

Karisa Cloward, Southern Methodist University

Devin Cornell, UCSB

Jéssica Malinalli Coyotecati Contreras, UCSB

Raziel Daniels, UCSB

Lorit Dror, University College London

Dana Ernst, UCLA

Erica Field, Duke University

Steve Gaulin, UCSB

Mhairi Gibson, University of Bristol
Mike Gurven, UCSB
Charles Hale, UCSB
Barbara Harthorn, UCSB
Anushé Hassan, London School of Hygiene and Tropical Medicine
Fang He, UCSB
Sophie Hedges, London School of Hygiene and Tropical Medicine
Juliana Helo, UCSB
Janet Howard, University of Bristol
Sefath Kahn, UCSB
Maria Kogelnik, UCSB
Tom Kraft, UCSB
David Lawson, UCSB
Shelly Lundberg, UCSB
Gerry Mackie, UCSD
Lisa McAllister, UCSB
Laury Oaks, UCSB
Ana Perez, UCSB
Jaime Ramirez Cuellar, UCSB
Brooke Scelza, UCLA
Susie Schaffnit, UCSB
Ed Seabright, University of New Mexico
Holly Shakya, UCSD
Hilton Simmet, Yale
Jonathan Stieglitz, Université Toulouse 1 Capitole
Nicholas Syrett, University of Kansas
Casey Walsh, UCSB
Katy Walter, UCSB
Gandhi Yetish, UCLA
Kathryn Yount, Emory University
Madeleine Zoeller, UCLA

UCSB Milestone Conference Expanding Bridges and Overcoming Walls

August 25 and 26, 2017

9:00am-5:00pm

Corwin Pavilion

University of California, Santa Barbara

Organizers: Edward Telles, UCSB and Raul Hinojosa, UCLA

The conference featured top scholars and policymakers from Mexico and the United States to initiate dialogue on state-of-the-art research and current events in immigration, trade, and U.S.-Mexico relations. Hosted by UC Santa Barbara's Broom Center for Demography, UC Los Angeles's North America Integration and Development (NAID) Center, UCI Center for Research on International Migration, Centro de Investigaciones y Estudios Superiores en Antropología Social (CIESAS) and El Colegio de Mexico.

In addition to the scholarly panels for general admission only, featured keynote talks by leading policymakers in California and Mexico, provided interactions between scholarly production and policymaking on both sides of the border.

Appendix 7

2017-2018 Broom Visitors

Ricard Zapata-Barrero (University Pompeu Fabra, Spain)

June to September 2017.

Lucinda Fonseca (University of Lisbon, Portugal)

August 2017.

Sarah Nielsen (PhD student, Univ Copenhagen)

September to December 2017.

Anne Gronlund (Umea University, Sweden)

October 2017

Ilka Gerhardts (University of Munich)

September 2017 to June 2018.

Deborah Cobb-Clark (University of Sydney)

November 2017.

Natasha McMaster (PhD student, University College London)

September to December 2017.

Leonardo Souza Silveira (Federal University of Minas Gerais, Brazil)

September to December 2017.

Appendix 8

Grants Awarded

by the Center's GSRT (Graduate Student Research and Training) Program

Elizabeth Agey

Anthropology

Travel and living costs with conducting research in Nepal.

Awarded \$1,000

Sarah Alami

Anthropology

Travel and living costs with conducting research in Morocco.

Awarded \$2,000

Corbin Hodges

Geography

Travel, room and board while collecting data in Guatemala City, Mexico.

Awarded \$1,000

Carmen Hove

Anthropology

3-month phlebotomy training course.

Awarded \$2,000

Dan Meltzer

Geography

Attend the University of Washington 10th Annual Summer Institute in Statistics and Modeling in Infectious Diseases (SISMID).

Awarded \$850

Karly Miller

Interdepartmental Graduate Program in Marine Science

Travel, lodging for research and fieldwork in Columbia.

Awarded \$1,500

Britta Schumacher

Geography

Travel and living costs for fieldwork in work in Tanzania.

Awarded \$2,000

Ronnie Steinitz

Anthropology

Travel and living costs for fieldwork in Kibale National Park in western Uganda.

Awarded \$2,000

Maximilian Stiefel

Geography

Attend the University of Washington Biostatistics Summer Institute (UWBSI).

Awarded \$1,000

Vania Wang

Geography

Research Collaboration with US CDC Global AIDS Program in Beijing, China.

Awarded \$175

2018 PAA Travel Grants

To attend and present papers at the 2018 Population Association of America (PAA) Conference in Denver, CO.

All Awarded \$500

Jaqueline Banks, Geography

Kevin Mwenda, Geography

Maximilian Stiefel, Geography

Appendix 9

Broom Lab Methods Mini-Courses and Graduate Student Presentations

2018 Mini-Courses

Intro to Survey Design & Data Entry with KoBo Toolbox

This 2-hour mini course will introduce KoBo Toolbox, a free survey platform with online/offline capabilities, many question types, and flexible collection options. This tool is a useful addition for anyone who uses or plans to use surveys in their work - it can be used for online survey collection, field data collection, or data entry of paper surveys. The course will begin with an overview of the user interface and platform capabilities, a discussion of trade-offs in data collection methods, and will end with a mini-lab. No previous experience necessary. If possible/applicable, bring a laptop and a printed version of a survey that you have or are planning to work with (not required!)

Karly Miller, Marine Science

Friday Feb 2, 1-3pm in the Thormahlen Room (North Hall 2111)

Friday Feb 9, 1-3pm in Sycamore Room (Bren Hall 1510)

Introduction to sentiment analysis using Word2Vec

A 2-hour mini-course that introduces the famous Word2Vec model and provides hands-on experience in utilizing Word2Vec in machine learning models to do sentiment analysis. The tutorial will include a brief introduction to the core idea of distributional semantics in natural language processing and computational linguistics, will help you set up visualization tools to explore the semantics of words, and will provide step-to-step instruction on using machine learning models. Prior Python and machine learning experience will be helpful but not required.

Bo Yan, Geography

Wednesday May 23, 3-5pm in the Spatial Lab (Ellison Hall 2616)

2017/2018 Lab Lunches

Stress Impacts on Health in Urban Environments.

Maximillian Stiefel, Geography

November 6, 2017

1:00-3:00pm

Gender differences in access/use of mobile phones, agricultural management, and engagement in farmer cooperatives in central Kenya.

Natasha Krell, Geography

and

Evolutionary retrospectives on the human life history trajectory: lessons from small-scale societies and chimpanzees.

Raziel Davison, Postdoctoral Scholar, Anthropology

January 29, 2018

1:00-3:00pm

Diverse Entryways: How Young Men and Women from China, India, and the United States Make the Decision to Enter Computer Science.

Yan Ling Anne Wong, Sociology

June 4, 2018

1:00-3:00pm

Appendix 10

Interdisciplinary PhD Emphasis in Demography

The departments of Anthropology, Economics, Geography, Sociology, and Global Studies are now offering, in cooperation with the Broom Center, a PhD Emphasis in Demography. The goal of this program is to give doctoral students in core disciplines an opportunity to gain a broader interdisciplinary understanding of concepts and methods in population-related research, beyond the resources available in their home departments. Participation in the Demography Emphasis is independent of the doctoral curriculum and degree requirements established by a student's home department. Upon completion of the requirements, the student will receive a Demography Emphasis certificate when their disciplinary PhD is awarded.

Rationale:

Demography is an interdisciplinary field in the social sciences that focuses on the study of human populations. Increasingly broad in scope, demography now incorporates research on population health, family structure and gender relations, and human-environment and hormone-behavior interactions, as well as the traditional topics of fertility, mortality, and migration. Methodologies developed in one field are crossing disciplinary boundaries as well, with spatial techniques, the collection and analysis of biomarkers, econometric methods, field and laboratory experiments, and qualitative methods such as structured interviewing becoming broadly used across the demographic sciences. Expertise in demography is highly valued in academic and policy environments as a rigorously empirical and multidisciplinary science. A PhD Emphasis in Demography will provide graduate students with both core training in demography and opportunities to gain access to methodological expertise in other departments and to interact with faculty in fields other than their own.

Requirements (in addition to departmental PhD requirements):

Requirements (in addition to departmental PhD requirements):

- 1. Core course in demography.** Each student will be required to take GEOG 254: Population Geography, usually during their first year in the program. This course will focus on the analysis of human population dynamics through fertility, mortality, and migration. The core course will usually be offered during winter quarter.
- 2. Population studies courses.** Each student must complete three demography-related courses, at least one of which must be outside the student's own discipline. A list of currently-eligible courses in the four departments appears below.
- 3. Regular attendance at the Broom Center Seminar.** Regular attendance at the biweekly Broom Center seminar for two years (defined as attending at least 80% of all regular seminars) will be required for students enrolled in the Demography Emphasis.

4. Demography seminar/reading group. All students in the Emphasis must attend a one-quarter reading group (ECON 290DM), usually in spring of their first year in the program, that focuses on reading and discussing key research in demography across the participating disciplines.

5. Broom graduate student seminar presentation. Each student will be expected to present their research in the Broom Center's "lab lunch" informal seminar for graduate students.

6. Dissertation topic. Completed dissertations that qualify for the Emphasis must consist of (or include, in the case of multi-project dissertations) research with a strong focus in demography, and the committee must include at least one Emphasis core faculty member.

How to Apply for Admission to the Demography Emphasis Program

Students enrolled in the PhD programs in the departments of Anthropology, Economics, Geography, and Sociology are eligible to apply for enrollment in the Demography Emphasis. As a rule, applications will be accepted each spring for admission the following fall. Applications should be emailed to the Emphasis director, Shelly Lundberg (slundberg@ucsb.edu) and will consist of a letter outlining the student's proposed plan of study and dissertation research. In general, students will apply during their first or second year of study at UCSB and begin the program during the subsequent fall quarter. If the student has an advisor, a letter of support should accompany the application.

Eligible population courses:

- Anthropology:** ANTH 209. Applying Evolutionary Anthropology (Lawson)
 ANTH 245. Anthropological Demography and Life History (Gurven)
 ANTH 253. Human Biology Laboratory Methods (Blackwell)
 ANTH 256. Modeling Social Behavior (Gurven)
 ANTH 257. Human Behavioral Ecology Theory and Method (Gurven)
 ANTH 276. Culture Contact and Interaction (Smith)
- Geography:** GEOG 241A-C. Population Geography (Lopez-Carr, Sweeney)
 GEOG 288SC. Social and Environmental Disparities in Health (Cassels)
- Sociology:** SOC 226. Seminar on Immigration (Telles)
 SOC 234. Social Inequalities (Charles)
 SOC 245A. Seminar on Gender (Thébaud)
 SOC 246. Seminar on the Life Course (Bielby)
 SOC 248MA. Social Network Analysis (Friedkin)
 SOC 272. Race, Crime, and Punishment (Sutton, Rios)
- Economics:** Labor Economics sequence: ECON 250A-C (Kuhn, Bedard, Rossin-Slater, Royer)
 ECON 250D. Population Economics (Lundberg)
 [Note: This course has no economics prerequisites]