RENÉE V. HAGEN

CONTACT

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DATA SCIENCE METHODS

- Causal inference
- Bayesian multilevel regression modeling
- Machine learning
- A/B testing
- Predictive modeling
- Data visualization and dashboard development

OTHER RESEARCH SKILLS

- (Quasi-) experimental research design
- Public speaking
- Data-driven storytelling
- Cross-functional teamwork

PROGRAMMING AND COMPUTING

- R
- SQL
- Python
- LaTeX
- Git
- Dart
- HTML
- Snowflake
- Tableau

EDUCATION

PhD Biological Anthropology · University of California, Los Angeles. 15 Sept 2023
Dissertation: Conventions and moral codes: A Bayesian model of the spread and maintenance of social norms

MA Anthropology · Leiden University, the Netherlands. 2015
Cum Laude.

BSc Psychology · Leiden University, the Netherlands. 2013

SELECTED WORK AND RESEARCH EXPERIENCE

Senior Research Data Scientist · Covered California 2023 – 2024
- Applied Bayesian predictive modeling to inform business recommendations on demographic and geographic hot spots of high opportunity for new enrollment
- Led the statistical design and execution of the org's first A/B test and implemented protocols for future web testing
- Presented research finding to executive leadership and non-technical audiences

Graduate Researcher · UCLA 2017 – 2023
- Led all aspects of a 6-year collaborative research program
- Designed and executed 3 quantitative studies using Bayesian and frequentist multilevel regression modeling in R
- Applied approaches to causal inference (e.g. diff-in-diff, regression discontinuity DAGs).
- Built mobile phone and web applications to administer surveys and safely store data
- Developed clear visualizations and interactive dashboards

Research Fellow · WORLD Policy Analysis Center 2022
- Investigated business problems as part of 4-person team
- Recommended data-driven solutions to internal stakeholders and leadership with reports and presentations

Teaching Associate · University of California, Los Angeles 2018 – 2022
- Collaboratively worked with supervisors and teams to plan curriculum and assessment
- Communicated complex information to non-technical audiences through 1200+ hours of undergraduate teaching

SELECTED PUBLICATIONS AND TALKS

RV Hagen, & BA Scelza 2024. Sex ratios and gender norms: why both are needed to understand sexual conflict in humans. *Evolutionary Human Sciences* 30:6:e10.

RV Hagen, 2023. Common behaviors and moral codes: A Bayesian model of the spread and maintenance of social norms. *Invited talk at the UCLA Behavior, Evolution and Culture Speaker Series.*

RV Hagen, DA Knorr, S Li, A Mensing & BA Scelza, 2022. Staying alive enhances both women's and men's fitness. *Behavioral and Brain Sciences*, 45, E137.

RV Hagen, BA Scelza & HC Barrett, 2022. Understanding women's support for patriarchal gender norms in four East Asian countries. *Oral presentation at the annual meeting of the European Human Behaviour and Evolution Society in Aarhus, Denmark*.

S Lew-Levy, … **RV Hagen**, …. & HE Davis, 2022. Socioecology shapes child and adolescent time allocation in twelve hunter-gatherer and mixed-subsistence forager societies. *Scientific Reports 12:* 1-16.

RV Hagen, 2022. Human 'races' cannot be compared to dog breeds (Dutch title: De analogie met honden gaat niet op). *Opinion article in Volkskrant (major Dutch newspaper).*

RV Hagen, 2021. Adoption of outgroup norms provides evidence for social transmission in perinatal care practices among rural Namibian women. *Plenary oral presentation at the annual meeting of the International Society for Evolution, Medicine, and Public Health*, online.

RV Hagen & BA Scelza, 2020. Adoption of outgroup norms provides evidence for social transmission in perinatal care practices among rural Namibian women. *Evolution, Medicine and Public Health 1:* 161-173.

RV Hagen & T Minter, 2020. Displacement in the Name of Development. How Indigenous Rights Legislation Fails to Protect Philippine Hunter-Gatherers. *Society & Natural Resources 33* (1): 65-82.

A Almendral, September 24, 2017. For isolated Philippines Town, a planned road is a lifeline and a worry. *Interview with the New York Times.*

RV Hagen, J van der Ploeg & T Minter, 2017. How do hunter-gatherers learn? The transmission of indigenous knowledge among Agta of the Philippines. *Hunter Gatherer Research 2* (4), 389-413.