

Andrew Ithurnburn



PROFILE SUMMARY

Experienced social psychology researcher with over 5+ years of expertise in conducting psychology studies and experiments investigating social power motivations (dominance, prestige, and leadership) and its effects on decision-making, especially sexual risk-taking behaviors and their perceptions. Proficient in data manipulation, statistical analysis, and data visualization.

CONTACT DETAILS

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PERSONAL INFORMATION

Citizenship: **American**

Languages: **English, Japanese, Italian**

OVERALL SKILLS

I have extensive statistical and data visualization experience spanning over 7 years of practical research-based experience and 12 years of higher education experience. I am proficient in data visualization for general and research audiences. Extensive experience on data cleanup and rearranging. Experience in both small and large datasets. Experience in both collecting quantitative and qualitative data. Proficient at database merging and creation of composite variables. I have created R packages that aid in data cleanup and visualization and able to read technical R package manuals. See specific skills to right.

EDUCATION

Doctor of Philosophy: Social/Cognitive Psychology **2019 – 2024**
(passed viva awaiting corrections) from *The University of Edinburgh*.

Title: *The Psychology of Risk and Power: Power desires and risk sexual choices.*

Master of the Arts: Psychology **2017 – 2019**
from *California State University, Chico*.

Title: *Thinking of the Future: Effects of Episodic Future Thinking on Sexual Decision Making.*

Bachelor of the Arts: Psychology with Minor in Biology **2012 – 2016**
from *California State University, Chico*.

EXPERIENCE

Doctoral Researcher **2019 – 2025**
at *University of Edinburgh Human Decision Making Lab*.

- Designed and conducted five experiments investigating social power motivations and their effects on decision-making using Bayesian inference.

Masters Student Researcher **2017 – 2019**
at *Behavioral Economics Laboratory (California State University, Chico)*

- Designed behavioral economic experiments investigating episodic future thinking on hypothetical sexual decision-making.

Marking **Spring 2021 – Spring 2022**
at *Science of Close Relationships (University of Edinburgh)*.

- Marked undergraduate exams (papers) related to my expertise of risk and sexual risk-taking and decision-making

Clerical Assistant **2016 – 2019**
at *Accucode Medical Billing (Chico, California, United States)*

- Data entry, patient acquisition, telephony, patient entry, administrative work.

SKILLS AND EXPERTISE

R: Bayesian regression, standard regression, and basic statistical analyses. R package creation, graph and figure production. Data manipulation.

SPSS/STATA: General data analysis and structural equation modeling

GraphPad/Prism: Statistical software used in the behavioral economics lab to analyze nonparametric data, and visualize discounting of participants.

SQL: Completed online introductory course on SQL.

Python/JavaScript/HTML: I have experience with scripting in Python and JavaScript. Authored two research studies in pure JavaScript and HTML.

Additional skills: Qualitative transcription, Qualtrics programming, data integrity, mTurk, Prolific, Microsoft 365, bash, ssh

PACKAGES USED

R: BRMS, cmdstanr, stats, correlation, bayestestR, ggplot2, tidyr, SEMPlot, rstan, quarto, papaja, and three custom R packages.

JavaScript: JSPsych, custom plugins

HOBBIES

Cooking/baking, Reading, Practising programming, Running