

# Jack Adeney

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## EDUCATION

### California Institute of Technology

*PhD in Social Science*

Focus: Experimental Behavioral Economics and Decision Theory

Advisor: Prof. Charles Sprenger

Pasadena, US

Sep. 2021 – Jun. 2026\*

### University of Cambridge

*MPhil in Economics*

Cambridge, UK

Oct. 2020 – Aug. 2021

### New York University Abu Dhabi

*BA in Economics, Minor in Applied Mathematics*

GPA: 3.92/4.00 *Magna Cum Laude*

Advisor: Prof. Olivier Bochet

Abu Dhabi, UAE

Sep. 2016 – May 2021

## RESEARCH

### Motivating Mixtures: Stochastic Choice and Convex Preferences

*Job Market Paper*

Pasadena, US

Sep 2021 – Present

- Independently designed, ran and analyzed a 900 participant online experiment testing randomization behavior
- Coded three treatments using *oTree* software (Python, Javascript and HTML) for online deployment
- Found that  $\approx 75\%$  of mixing behavior is consistent with strict preferences and noise as opposed to  $\approx 15\%$  consistent with convex preferences

### Postgraduate Practical Training Program

*Academic Researcher*

Abu Dhabi, UAE

May 2020 – Jun. 2020

- Designed and coded a secondary human experiment to be run in a live laboratory
- Furthered fifty page Bachelor's dissertation for ongoing research

### Undergraduate Capstone Project, Economic Theory

*Academic Researcher*

Abu Dhabi, UAE

Sep. 2019 – May 2020

- Developed and implemented a lab experiment with more than 60 human subjects
- Wrote a literature review on topics associated with the Coase Conjecture and adverse selection
- Implemented post experiment questionnaires to identify underlying behavioural preferences

### Catastrophes, Crimes and Crashes in the UAE

*Research Assistant*

Abu Dhabi, UAE

Apr. 2017 – Jul. 2017

Gathered journal and newspaper articles of the 1980s from UAE National Archives

- Analysed and compounded more than 100 historic articles based on levels of identification with Emirati culture
- Computer formatted articles in preparation for publishing

## WORK EXPERIENCE

### ScaleAI Human Frontier Collective

*Generative AI Specialist*

San Francisco, US

Jun. 2025 – Aug. 2025

- Wrote more than 35 advanced graduate level research prompts to challenge frontier AI models
- Qualitatively assessed the features and shortcomings of frontier AI models

### Shaun Bailey Mayor of London Campaign

*Policy Researcher*

London, UK

Nov. 2020 – Jan. 2021

- Researched and developed multiple multi-million pound economic and environmental policies, including: 1) 'Coding Hub', 2) 'Small Business Information Hub', 3) '11k Green Jobs', 4) 'Green Tech Challenge Fund'
- Aided the design of a 'shared ownership and repayment escalator' policy to help improve low home ownership rates across the UK
- Assessed the economic impacts of a salary pay freeze on TfL employees, which would result in approximately £9.20m of annual savings

### Hedayah, Countering violent Extremism

*Capacity Building Programs Intern*

Abu Dhabi, UAE

Oct. 2018 – Dec. 2018

- Collaborated in teams with five heads of department to review research projects and analyse survey reports
- Influenced the organising of the Debating Security Plus round table with approximately 30 attendees
- Wrote a review paper on suggested methods in education for countering violent-extremism in Kyrgyzstan, targeting approximately 1.7m citizens

### **The Centre for Social Justice**

*Housing and Development Intern*

London, UK

Jul. 2018 – Aug. 2018

Liaised on a number of projects aimed at providing policy advice to members of parliament and political leaders

- Conducted policy research into the causes and effects of the UK social housing crisis
- Aided in writing a 75 page report specifying an action plan to fix the UK housing crisis with the Development team
- Coordinated diplomatic meetings for industry leaders and stakeholders in housing and development policy

### **Al-Salam Aerospace Industries**

*F15-SR Efficiency Analyst*

Riyadh, Saudi Arabia

May 2018 – Jun. 2018

Consulted with Program Managers of the F15 Fighter Jet Manufacturing Team in improving Forward Fuselage and Wing production efficiency

- Undertook in-depth analysis on Quality Assurance Report data
- Demonstrated data collection and manipulation to identify patterns of repetitive line defects
- Incorporated data to produce corrective action reports and presentations for implementation

### **Edelman**

*Brands Intern*

London, UK

Aug. 2015

Interacted with ten different clients (such as PayPal, Kellogg's and Viking Cruises) on multiple projects

- Conducted social media audits
- Wrote creative briefings and supported senior employees in briefing clients
- General account management and time allocation when working in correspondence with Edelman's New York branch
- Won 'star of the week'. An accolade normally given to full-time employees

### **SKILLS**

**Technical Skills:** Fluent: R, Python, oTree, Microsoft Office, Familiar: Javascript, HTML, Stata

**Areas of expertise:** Experimental design, causal inference, data analysis,

Familiar: LLMs and NLP, Neural Networks, SVMs

### **REFERENCES**

#### **Dr. Marina Agranov**

Rea A. and Lela G. Axline Professor of Economics

California Institute of Technology

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#### **Dr. Kirby Nielsen**

Professor of Economics; William H. Hurt Scholar

California Institute of Technology

*kirby@caltech.edu*

#### **Dr. Charles D. Sprenger**

William D. Hacker Professor of Economics

California Institute of Technology

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