

EDUCATION	<b>University College London (UCL)</b>	London, UK
	<i>Ph.D. in Experimental Psychology</i>	2021 - 2025 (expected)
	<ul style="list-style-type: none"> <li>• Advised by David Lagnado</li> <li>• Provisional title: <i>Belief revision in individual and collective minds: the effects of accuracy, coherence, and resource-rationality</i></li> </ul>	
	<i>MSc in Cognitive and Decision Sciences</i>	2019 - 2020
	<ul style="list-style-type: none"> <li>• Distinction, Dean's List</li> <li>• Thesis: <i>What makes an "a-hole"? A language-based analysis of real-life conflict scenarios and moral judgements</i>, advised by Nichola Raihani</li> </ul>	
TEACHING	<b>National and Kapodistrian University of Athens</b>	Athens, Greece
	<i>MSc in Science and Technology Studies</i>	2018 - 2019
	<i>BSc in Philosophy of Science</i>	2014 - 2018
	<b>PALS0045: Intermediate Statistical Methods   UCL</b>	2021.09 - Present
	Lead PGTA	
	<ul style="list-style-type: none"> <li>• Lead multiple statistical programming lab sessions, demonstrating data wrangling, visualisation and statistical inference methods in R (Year 2 curriculum)</li> </ul>	
	<b>PALS0046: Introduction to Statistical Methods   UCL</b>	2024.10 - Present
TEACHING	Lead PGTA	
	<ul style="list-style-type: none"> <li>• Lead statistical programming lab sessions in R (Year 1 curriculum)</li> </ul>	
	<b>COMP0016: Human-Computer Interaction   UCL</b>	2024.10 - 2024.11
	PGTA	
	<b>PALS0045: Intermediate Statistical Methods   UCL</b>	2022.09 - 2023.02
	Module Co-Organiser	
	<ul style="list-style-type: none"> <li>• Organised and monitored all aspects of practical sessions and online learning for a module delivered to 280 students. Supervised 8 PGTA's, ensuring all lab sessions ran smoothly and ran quality assurance on teaching materials.</li> <li>• Planned and delivered weekly sessions and Q&amp;As elaborating on lecture materials according to students' interests and learning gaps.</li> </ul>	
TEACHING	<b>PSYC0002: Behaviour Change   UCL</b>	2022.10 - 2023.12
	PGTA	
	<b>PALS0043: Advanced Multivariate Statistical Methods   UCL</b>	2021.09 - 2021.12
TEACHING	PGTA	
	<ul style="list-style-type: none"> <li>• Assisted lecturer in statistical programming lab sessions in R, SPSS and LISREL (Year 3 curriculum)</li> </ul>	

## EXPERIENCE

**ShiftPartner** | London, UK  
Data Science Lead

2022.08 - Present

- Provide strategic direction for data science initiatives, conduct user studies and digital interventions. Lead analytics integrating R, Python and SQL and oversee the development of recommender engines, machine learning models, and dashboards.

**The Alan Turing Institute** | London, UK  
Research Fellow (PhD Enrichment)

2023.10 - 2024.07

- Designed and conducted large-scale project on modeling beliefs and intuitive theories from social media text using NLP techniques and LLMs in R and Python.
- Led science communication and public engagement efforts through blogs, talks, and workshops. Won first place in the AI UK Research Pitch competition.

**University of Edinburgh** | Edinburgh, UK  
Visiting Researcher

2024.05 - 2024.06

- Visiting Researcher at the Cognition Computation and Development Lab, advised by Zachary Horne. Funded by an EPS Study Visit Grant.

**Department of Health and Social Care** | London, UK  
Behavioural Science Advisor

2021.09 - 2022.07

- Led the behavioural data science stream, conducting survey design, data collection, and statistical analysis for multiple projects.
- Facilitated stakeholder engagement and provided training across the civil service on the applications of behavioural data science and machine learning.

**Public Health England** | London, UK  
Behavioural Insights Advisor

2021.01 - 2021.09

- Directed the quantitative components of 6+ projects, ensuring robust analysis, data integrity, and rigorous evaluation of intervention outcomes.
- Applied behavioural science techniques, (COM-B, TDF) and conducted analyses of national RCTs to inform data-driven policy.

**National Commission for Bioethics** | Athens, Greece  
Intern

2018.01 - 2018.05

- Authored the first white paper on AI regulation in Greece, focusing on ethical deployment of neural networks.

## PUBLICATIONS

1. **Papakonstantinou, T., Flecke S., Edmunds C. E. R., Cross R., and Gold N.** (2024). *A systematic review and meta-analysis of social norms interventions on health behaviours*. In print at Nature Human Behaviour.
2. Thom, J., Bowen S., Yang Y., Devarajan S., Doran H., Zampetis M., **Papakonstantinou, T.**, et al. (2024). *The effect of timers and precommitments on handwashing: A randomised controlled trial in a kitchen laboratory*. Behavioural Public Policy, 1–25. doi:10.1017/bpp.2023.33.
3. van Leeuwen, F., van Lissa, C. J., **Papakonstantinou, T.**, M. Bang Petersen, and Curry, O. S. (2024). *Morality as cooperation, politics as conflict*. Social Psychological Bulletin, 19, pp. 1–22. doi: 10.32872/spb.10157. url: <https://spb.psychopen.eu/index.php/spb/article/view/10157>.
4. Towler, L. \*, Bondaronek P. \*, **Papakonstantinou, T.**, et al. (2023). *Applying machine-learning to analyze large qualitative text datasets to inform the COVID-19 pandemic response*. Frontiers in Public Health 11.
5. Bondaronek, P., **Papakonstantinou, T.**, Stefanidou C., and Chadborn T. (2023). *User feedback on the NHS test trace service during COVID-19: The use of machine learning to analyse free-text data from 37,914 England adults*. Public Health in Practice, 6. doi: 10.1016/j.puhip.2023.100401.

6. Towler, L. \*, Bondaronek P. \*, Papakonstantinou, T., Amlôt R., Chadborn T., Ainsworth B., and Yardley L. (2023). *Applying machine-learning to rapidly analyze large qualitative text datasets to inform the COVID-19 pandemic response: Comparing human and machine-assisted topic analysis techniques*. *Frontiers in Public Health*, 11. doi: 10.3389/fpubh.2023.1268223.
7. Papakonstantinou, T. and Kolletis T. (2020). *Investigational therapies and patients' autonomy*. *Canadian Journal of Bioethics / Revue canadienne de bioéthique*, 3, pp. 115–117. doi: 10.7202/1073786ar.

#### CONFERENCE PAPERS

1. Papakonstantinou, T., Leong I., and Lagnado D. (2024). *Humans generate auxiliary hypotheses to resolve information conflicts*. *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*.
2. Papakonstantinou, T., Raihani N., and Lagnado D. (2024). *Belief updating patterns and social learning in stable and dynamic environments*. *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*.
3. Franklin, M., Papakonstantinou, T., Chen T., Fernandez-Basso C., and Lagnado D. (2023a). *An unsupervised approach to extracting knowledge from blame attribution on Twitter*. *FQAS 2023*.
4. Franklin, M., Papakonstantinou, T., Chen T., Fernandez-Basso C., and Lagnado D. (2023b). *Blame attribution in human-AI and human-only systems: Crowdsourcing judgments from Twitter*. *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*.

#### PRE-PRINTS

1. Player, L., Hughes, R., Mitev, K., Whitmarsh, L., Demski, C., Nash, N., Papakonstantinou, T., Wilson, M. (2024). *The use of large language models for qualitative research: DECOTA*. *R & R in Psychological Methods*. <https://doi.org/osf.io/5jste>.
2. Papakonstantinou, T. and Horne Z. (2023). *Characteristics of persuasive deltaboard members on Reddit's r/ChangeMyView*. *PsyArXiv*. doi: 10.31234/osf.io/5spq9.

#### INVITED TALKS

- |   |      |
|---|------|
| <b>Informatics ED&amp;I Reading Group</b>   Edinburgh, UK<br>Ethical issues arising from the NLP analysis of free-text data   | 2024 |
| <b>The Alan Turing Institute Lunch &amp; Learn Series</b>   London, UK<br>Why facts don't change minds: Unraveling Belief Systems through Experimental Studies and Online Discourse | 2024 |
| <b>AI UK</b>   London, UK<br>Why facts don't change minds   | 2024 |
| <b>Turing-Roche Knowledge Share Series</b>   Virtual<br>Machine-Assisted Topic Analysis: A human-AI collaboration framework for qualitative research in healthcare                  | 2023 |
| <b>Edinburgh Computational Cognitive Science Workshop</b>   Edinburgh, UK<br>Characteristics of effective persuaders in Reddit's r/ChangeMyView                                     | 2022 |
| <b>Moral Molecules Workshop, University of Oxford</b>   Virtual<br>Am I the A-hole? Investigating moral judgement in context  | 2020 |

CONFERENCE  
PRESENTATIONS

- 46<sup>th</sup> Annual Meeting of the Cognitive Science Society (CogSci) | Rotterdam, Netherlands** 2024
- **Poster:** Humans generate auxiliary hypotheses to resolve information conflicts
  - **Poster:** Belief updating patterns and social learning in stable and dynamic environments
- Meeting of the Experimental Psychology Society | York, UK** 2024
- **Talk:** Humans generate auxiliary hypotheses in response to information conflicts.
- 10<sup>th</sup> International Conference on Thinking | Milan, Italy** 2024
- **Talk:** Exploring perceptions and preferences for belief updating patterns in stable and dynamic environments
  - **Talk:** The use of auxiliary hypotheses in belief updating
- 9<sup>th</sup> International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>) | Copenhagen, Denmark** 2023
- **Talk:** Blame attribution in human-AI and human-only systems: Crowdsourcing judgments from Twitter
  - **Poster:** Crowdsourcing the potential negative effects of the most popular health apps: Evidence from Twitter
- 45<sup>th</sup> Annual Meeting of the Cognitive Science Society (CogSci) | Sydney, Australia / Virtual** 2023
- **Poster:** Blame attribution in human-AI and human-only systems: Crowdsourcing judgments from Twitter
  - **Poster:** Characteristics of persuasive deltaboard members on Reddit's r/ChangeMyView
- Meeting of the Experimental Psychology Society | Swansea, UK** 2023
- **Talk:** Perceptions and preferences for belief updating patterns in stable and dynamic environments
- Moral Psychology of AI Conference | Kent, UK** 2023
- **Poster:** Developing a framework of blame attribution in human-artificial agent systems using Twitter
- Heuristics and Causality in the Sciences | London, UK** 2023
- **Poster:** Blame attribution in human-AI and human-only systems: Crowdsourcing judgments from Twitter
- The Royal Society Cognitive Artificial Intelligence Meeting | London, UK** 2022
- **Poster:** Blaming artificial agents in online discourse
- 1<sup>st</sup> International Behavioural Public Policy Conference | London, UK** 2022
- **Talk:** The effectiveness of social norms interventions for improving health behaviours: a systematic review and meta-analysis (presented by Natalie Gold)
- 2<sup>nd</sup> European Experimental Philosophy Conference | Granada, Spain** 2022
- **Talk:** Blaming artificial agents in online discourse
- 8<sup>th</sup> International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>) | Chicago, Illinois, USA** 2022
- **Talk:** What makes an asshole? Investigating moral judgement in context using Reddit's *r/AmITheAsshole*
  - **Poster:** Blaming artificial agents in online discourse

**UCL Faculty of Brain Sciences Postgraduate Research Conference** | London, UK 2022

- **Talk:** The use of auxiliary hypotheses in mental model updating

**17<sup>th</sup> UK Society for Behavioural Medicine Annual Scientific Meeting** | Virtual 2022

- **Talk:** Applying machine-learning to analyse large qualitative text datasets: Comparing human and machine-assisted analysis techniques (presented by Ben Ainsworth)

**7<sup>th</sup> International CBC Conference** | UCL Centre for Behaviour Change, Virtual 2022

- **Talk:** Using machine learning to analyse large volume of public health data to develop actionable recommendations to improve contact tracing

**14<sup>th</sup> European Public Health Conference** | Virtual 2021

- **Poster:** Using machine learning to analyse large volume of public health data to develop actionable recommendations to improve contact tracing

**AWARDS AND FELLOWSHIPS**

- OpenAI Researcher Access Program (\$10,000 in API credits) - OpenAI
- First Place at Research Pitch Competition - AI UK, The Alan Turing Institute
- EPS Grindley Grant (£500) - Experimental Psychology Society
- EPS Study Visit Grant (£3,500) - Experimental Psychology Society
- UCL CDI Impact Accelerator (with ShiftPartner) - Centre for Digital Innovation, UCL
- Training Support Fund (£1000) - The Alan Turing Institute
- Placement Award (£4,250) - The Alan Turing Institute
- Associate Fellowship - Higher Education Academy
- EPS Grindley Grant (£270) - Experimental Psychology Society
- Conference Travel Grant (£320) - Society for Applied Philosophy
- SU UCL Development Award (£500) - Santander Scholarships
- Student Affiliate - Center for the Science of Moral Understanding (UNC)
- Green Impact Gold Project Award (with UCL BIS) - UCL
- ReGenerator - Global Shapers Athens Hub, World Economic Forum

**SUPERVISION**

**Undergraduate**

Saumya Soni (BSc Arts and Sciences)  
Eric Li (BSc Psychology)  
Ivan Leong (BSc Psychology)

**Postgraduate**

Yudi Zhang (MSc Social Cognition)  
Xinyu Jiang (MSci Psychology)  
Sofija Stojadinovic (MSc Psychological Sciences)

TECHNICAL SKILLS	<p><b>Programming:</b> R (Proficient), Python (Proficient), JavaScript (Intermediate), SQL (Basic)</p> <p><b>Software:</b> oTree, Gorilla, Qualtrics, SPSS, Jamovi, Git, Jupyter, L<sup>A</sup>T<sub>E</sub>X</p> <p><b>Languages:</b> Greek, English, French, Spanish</p>
SERVICE	<p><b>Reviewer for:</b> <i>British Journal of Psychology</i>,  <i>Journal of Medical Internet Research</i>,  <i>Annual Meeting of the Cognitive Science Society</i>,  <i>International Conference on Computational Social Science</i></p>
PROFESSIONAL AFFILIATIONS	<p>Cognitive Science Society</p> <p>Experimental Psychology Society</p> <p>Society for Applied Philosophy</p> <p>Higher Education Academy</p> <p>AI Qual Network</p>
REFERENCES	<p>Prof. David Lagnado  Professor, Department of Experimental Psychology  University College London  d.lagnado@ucl.ac.uk</p> <p>Dr. Zachary Horne  Lecturer, Department of Psychology  University of Edinburgh  zachary.horne@ed.ac.uk</p> <p>Dr. Paulina Bondaronek  Lead Behavioural Scientist, ShiftPartner  Senior Research Fellow, UCL Institute of Health Informatics  p.bondaronek@ucl.ac.uk</p>