Ayan-Yue Gupta

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Education

PhD Sociology (Submitted) – Thesis Title: *BERT for Discourse Analysis: A Pragmatist Approach to Governmentality* *University of Bristol – School of Sociology, Politics and International Studies* • Supervisors: Prof. Thomas Osborne, Dr. Leonidas Tsilipakos, Prof. Gregor McLennan • Thesis Description: I used word sense induction via BERT to understand the diffusion of discourses surrounding 'resilience', 'sustainability' and 'wellbeing' into the British state during 2000-2020. To interpret the results of this, I developed a theoretical framework that draws upon pragmatics, Foucauldian work on governmentality and sociolinguistics.	September 2018 – Present
MA Fine Art *University College London – Slade School of Fine Art*	September 2014 – September 2016
BA Art History and Philosophy *University of Leeds*	September 2011 – July 2014

Academic Work Experience

Graduate Teacher *University of Bristol – School of Sociology, Politics and International Studies* I have taught the following undergraduate sociology and politics modules: • Introduction to the Sociology of Culture • Thinking Sociologically (Introductory sociology module) • Doing Social Research (Ethics and methodology module) • Political Concepts (Political philosophy module) • Thinking Politically (Introductory politics module) I would also be comfortable teaching modules on quantitative/computational social science methods, discourse analysis, social theory and philosophy of sociology.	September 2019 – Present

Publications & Conferences

Abstract submitted: Gupta, A. (2023). Computational Foucauldian Analysis: BERT as a Tool for Examining Governmental Discourse. *Political Studies Association Annual Conference*.

Gupta, S., Allen, R., Basu, M., Durão, F., Gupta, A., Katsarka, M., Schuller, S., Seed, J., Tu, P. (2020). *Social Analysis and the Covid-19 Crisis*. Routledge: London.

Gupta, S. & Gupta, A. (2019). 'Resilience' as a Policy Keyword: Arts Council England and Austerity. *Policy Studies*, DOI: 10.1080/01442872.2019.1645325

Skills

Computational Skills: I am familiar with using computer languages and software libraries to perform machine learning, data analysis, web scraping, constructing datasets, managing databases and using APIs.
- **Computer Languages:** Python, R, SQL
- **Software Libraries:** transformers, PyTorch, SpaCy, NetworkX, scikit-learn, SciPy, numpy, statsmodels, matplotlib, seaborn, NLTK, pandas

Collegial Skills: During my time at Bristol I have been an active member of the postgraduate research (PGR) community, through which I have developed community building skills. I have:
- Co-organised PGR seminars during 2018-2019 in which PhD students presented their research.
- Co-organised PGR networking events during 2019-2022 funded by the South West Doctoral Training Partnership for students across multiple departments.
- Acted as a PGR representative between 2018-2019, bringing up concerns of the PGR community to departmental meetings.

Before starting my PhD I was a practising artist in London, through which I have built up experience doing public engagement with non-academic audiences. I list my experience as a practising artist below.

Art

Commissioned by General Electric to produce 5 looping animations. The purpose of these animations is to visualise the systems of autonomous machines that might one day constitute the Internet of Things. In these systems, each machine can communicate and harvest data from each other and use that data to continuously update themselves and the objects they manufacture: https://ayanyuegupta.github.io/immortal_machine.html	September 2018 – June 2019

Exhibitions

Traces, Workhouse Studios	2017
A Somersault and a Back Flip, Workhouse Studios	2016
Art Attack App Winter Exhibition, Crypt Gallery	2016
Housework, Workhouse Studios	2016
MA/MFA/PhD Degree Show, Slade School of Fine Art	2016

Interim Show, Slade School of Fine Art	2015
ING Discerning Eye, Institute of Contemporary Art	2014
Gaze, Espacio Gallery	2014
Contrasts, Espacio Gallery	2014
Spectacle, Vyner Street Gallery	2013

Awards & Residencies

Zarakes Residency	2016
Jeremy Cubitt Prize for Excellence in Painting, Slade School of Fine Art	2015

Other Work Experience

Freelance Tutor   September 2015 – August 2018
Have been represented by Bumblebee Tutoring and JK Educate. Provided one-to-one tuition to school children aged 11-18. Have tutored:
- A-level, GCSE and 11+ Maths
- A-level, GCSE and 11+ English
- A-level Philosophy

Tutor at Learning Source Hounslow   November 2016 – July 2017
Taught classes of up to 6 children aged 6-16. Taught 11+, secondary school level and GCSE Maths and English.