

# Yen-Chieh (David) Liao

Postdoctoral Researcher

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## ACADEMIC POSITIONS

*Post-doctoral Researcher* at **Text and Policy Research Group** and **NexSys Energy**, School of Politics and International Relations, University College Dublin Aug 2023 –  
*Post-doctoral Researcher*, the Department of Global Studies, Aarhus University Dec 2022 – June 2023  
*Pre-doctoral Researcher*, Chair of Comparative Politics, University of Bamberg Dec 2021 – Dec 2022  
*Senior Research Officer*, the Department of Government, University of Essex Jun 2019 – Oct 2019  
*Senior Research Assistant*, Institute of Political Science, Academia Sinica Feb 2014 – Jul 2017

## EDUCATION

*PhD in Politics*, University of Essex Oct 2017 – Jan 2023  
*MA in Public Administration and Policy*, National Taipei University Sept 2010 – Feb 2014  
*BA in Public Administration and Policy*, National Taipei University Jun 2005 – Aug 2010

## RESEARCH

### Publications

(Mis)perception of Party-voter Congruence and Satisfaction with Democracy. (with Li Tang and Royce Carroll) *Political Science Research and Methods* [Forthcoming]  
2024 Electoral Reform and Fragmented Polarization: New Evidence from Taiwan Legislative Roll Calls. *Legislative Studies Quarterly* [DOI:<https://doi.org/10.1111/lsq.12459>]  
2023 The Role of Rituals in Adversarial Parliaments: An Analysis of Expressions of Collegiality in the British House of Commons. *Historical Social Research* 48 (3): 209-234 (with David Beck and Thomas Saalfeld) [DOI: <https://doi.org/10.12759/hsr.48.2023.31>]  
2015 The Rationale for Supporting Nuclear Power: Analysis of Taiwanese Public Opinion Survey. *International Relations of the Asia-Pacific* 15 (1): 147-176 (with Xiaochen Su, Chung-li Wu, Tai-De Lee and Chen Tsao) [DOI: <https://doi.org/10.1093/irap/lcu019>]

### Under Review

Factionalism and the Red Guards under Mao's China: Ideal Point Estimation Using Text Data. (with Yi-Nung Tsai) *Revise and Resubmit at Research & Politics*

### Working Papers

Catalysts for Change? Mapping Policy Recommendations in Academic Publications on Climate Change and Net Zero Energy Systems. (with Brian Boyle and Stefan Müller)  
Multilingual Stance Detection in Political Speech: Interpretation, Applications, and Limitations. (with Stefan Müller)  
Grandstanding under the Spotlight: Unveiling European Elites Crisis Communication in the Council of the European Union. (with Paula Montano and James Cross)  
Political Preferences for Pork Barrel Messages under Different Electoral System.  
Shock Rhetoric: Local Exposure to China Trade Shocks and Rhetorical Extremism in the US House of Representatives. (with Zikai Li)

## ACADEMIC TRAINING

**2023** *Oxford Large Language Models for Social Science Workshop; 57th Essex Summer School in Social Science Data Analysis*, Advanced Survey Data Analysis and Survey Experiments

**2022** *56th Essex Summer School in Social Science in Data Analysis*, Introduction to Social Network Analysis

**2021** *Machine Learning Summer School*, Standard Training Programme; *55th Essex Summer School in Data Analysis*, Advanced Methods for Text-as-Data: Natural Language Processing | Quantitative Methods for Causal Inference and Policy Evaluation

**2019** *54th Essex Summer School in Social Science in Data Analysis*, Introduction to Bayesian Analysis for the Social Sciences

**2018** *53rd Essex Summer School in Data Analysis*, Ideal Point Estimation and Scaling Methods | Generalized Linear Models

## MAINTAINER OF OPEN-SOURCE TOOLKIT

**flaiR**: An R wrapper for accessing the Flair NLP library in Python. Flair NLP facilitates easy experimentation with state-of-the-art model configurations, such as BERT, ELMo, RoBERTa, and others hosted on Hugging Face (with [Stefan Müller](#) and [Connected\\_Politics](#)).

**legisTaiwan**: An R package for accessing real-time Taiwan Legislative Data.

**legisCrawler**: Python-Based Automation Web Crawling Framework for Retrieving Parliamentary Questions from the Website of Taiwan's Legislative Yuan.

**asmcjr**: An R Package for Supporting the Book 'Analyzing Spatial Models of Choice and Judgment, 2nd Edition' and Streamlining Estimation Scaling and Visualization with ggplot2 (with Dave Armstrong, Royce Carroll, Christopher Hare, Ryan Bakker, Keith Poole and Howard Rosenthal).

**bisCrawler**: Python-Based Automation Web Crawling Framework for Retrieving Central Bankers' Speeches from the Bank for International Settlements.

## TEACHING

### Course and Module

**2024** *University College Dublin Quantitative Text Analysis* (Led by Stefan Müller)

Guest Lecturer in Weeks on Word Embeddings and Transformers

### Workshops and Seminars

**2023** *GESIS Fall Seminar in Computational Social Science*

Instructor in Big Data and Computation for Social Data Science (Co-lecturing with Dr. Akitaka Matsuo)

**2022** *55th Essex Summer School in Social Science Data Analysis*

Teaching Assistant in Quantitative Text Analysis

Teaching Assistant in Introduction to Programming in Python for Social Scientists

**2021** *54th Essex Summer School in Social Science Data Analysis*

Teaching Assistant in Introduction to Quantitative Methods in R

**2021** *EITM Europe Summer Institute*

Teaching Assistant in Quantitative Text Analysis Using R and Linking Theory with Text as Data

**2020** *53rd Essex Summer School in Social Science Data Analysis*

Teaching Assistant in Introduction to Quantitative Text Analysis

**2020** *ECPR Summer School*

Teaching Assistant in Machine Learning with Big Data for Social Scientists

**2019** *53rd Essex Summer School in Social Science Data Analysis*

## RESEARCH GRANTS & FUNDING

**2023** The Scholarship for Attending Oxford Large Language Models for Social Science Workshop (£300)

**2022** University of Essex Departmental Fund (£900) and Travel Grant from Taiwan's Council of Indigenous Peoples for attending 2022 MPSA Conference (USD\$678)

**2019** University of Essex Departmental Fund (£450) and Travel Grant from Taiwan's Council of Indigenous Peoples (USD\$630) for attending 2019 EPSA Conference

**2018** Attendance Scholarships (£250) to Essex Summer School in Social Science Data Analysis

**2021–2022** Taiwan Overseas Pioneers Grants of Ministry of Science and Technology Taiwan (Aug 2021 - Jul 2022), USD\$32,000

**2017–2021** The Government Doctoral Scholarship in Legislative Studies and Comparative Politics, Ministry of Education Taiwan (Aug 2017- Jul 2021), USD\$168,000

## PRESENTATION (\*: discussant ; +:poster)

**2024** COMPTExT Conference, Amsterdam (scheduled); Annual Conference of the European Political Science Association, Cologne (scheduled); Annual Conference of American Political Science Association, Philadelphia (scheduled)

**2023** Annual Conference of the European Political Science Association, Glasgow; Annual Conference of the American Political Science Association, LA\*; ECPR Standing Group on Parliaments, Vienna

**2022** Annual Conference of European Consortium for Political Research, Innsbruck; PolMeth Summer Meeting, St. Louis USA<sup>+</sup>, COMPTExT Conference, Dublin

**2022** Machine Learning Summer School, Taiwan<sup>+</sup>; Annual Conference of American Political Science Association, Online

**2019** Annual Conference of the European Political Science Association, Online; Asian PolMeth, Online

**2018** Annual Conference of the European Political Science Association, Belfast

## COMPUTING SKILLS

**Programming** : R, Python | **Database** : SQL, MongoDB | **HPCs** : SLURM, PBS

## REFERENCE

**Dr Stefan Müller** (*Postdoc PI*)

Assistant Professor in the School of Politics and International Relations, University College Dublin

**Dr Thomas Saalfeld** (*Predoc PI*)

Chair of Comparative Politics, University of Bamberg

**Dr Royce Carroll** (*PhD Supervisor*)

Professor in the Department of Government, University of Essex

**Dr Jonathan Sullivan** (*PhD External Examiner*)

Associate Professor in the School of Politics and International Relations, University of Nottingham

**Dr Nicole Baerg** (*PhD Supervisor*)

Senior Lecturer in the Department of Government, University of Essex