

# David (Yen-Chieh) Liao

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PhD in Politics  
University of Essex

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## CURRENT POSITION

Postdoctoral Researcher at Department of Global Studies, Aarhus University      Dec 2022 - present  
Visiting Fellow at the Chair of Comparative Politics in the Bamberg Graduate School of Social Sciences,  
University of Bamberg      Apr 2023 - present

## WORKING EXPERIENCE

Pre-doctoral Researcher at the Chair of Comparative Politics (Prof. Thomas Saalfeld), University of Bamberg  
Dec 2021-Dec 2022  
Senior Research Officer at the Department of Government (Prof. Royce Carroll), University of Essex      Jun  
2019 – Oct 2019  
Senior Research Assistant at Institute of Political Science, Academia Sinica      Feb 2014 – Jul 2017

## EDUCATION

PhD in Politics (Integrated PhD), 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

## TEACHING (\*: TA)

**2023** Big Data and Computation for Social Data Science *GESIS Fall Seminar in Computational Social Science*  
(Co-lecturing with Dr. Akitaka Matsuo)  
**2022** Quantitative Text Analysis\* Introduction to Programming in Python for Social Scientists\* 55<sup>th</sup> *ESSEX SUMMER SCHOLL(ESS)*  
**2021** Introduction to Quantitative Methods in R\*, 54<sup>th</sup> *ESS* | Quantitative Text Analysis Using R and Linking Theory with Text as Data\*, *EITM Europe Summer Institute*  
**2020** Machine Learning with Big Data for Social Scientists\* *ECPR Summer School* | Introduction to Quantitative Text Analysis\* 53<sup>rd</sup> *ESS*  
**2019** Introduction to Quantitative Text Analysis\* 52<sup>nd</sup> *ESS*

## ACADEMIC TRAINING

**2021** Empirical Implications of Theoretical Models of Parliamentary Politics and Populism *EITM-OSLO Summer Institute*  
**2022** Introduction to Social Network Analysis 56<sup>rd</sup> *ESS*  
**2021** Advanced Methods for Text-as-Data: Natural Language Processing; Quantitative Methods for Causal Inference and Policy Evaluation 55<sup>rd</sup> *ESS* | Standard Training Programme *2021 Machine Learning Summer School*  
**2019** Introduction to Bayesian Analysis for the Social Sciences 54<sup>th</sup> *ESS*  
**2018** Ideal Point Estimation and Scaling Methods; Generalized Linear Models 53<sup>rd</sup> *ESS*

## WORKING PAPERS

The Role of Rituals in Adversarial Parliaments: An Analysis of Expressions of Collegiality in the British House of Commons (with Thomas Saalfeld and David Beck, University of Bamberg, **R&R**)

Electoral Reform and Fragmented Polarization: New Evidence from Taiwan Legislative Roll Calls ( **Submitted** ) [ [pdf](#) ]

Electoral Reform and Pork Barrel in Parliamentary Questions [ [pdf](#) ]

Factionalism and the Red Guards under Mao's China: Ideal Point Estimation Using Text Data (with Yi-Nung Tsai, National Chengchi University; Daniel Tene, University of Essex; Dechun Zhang, Leiden University ) [ [pdf](#) ]

(Mis)perception of Party-voter Congruence and Satisfaction with Democracy (with Li Tang, Middlesex University London; Royce Carroll **Submitted**) [ [pdf](#) ]

## WORKS IN PROGRESS

Estimating Politically Expressive Preference with Context-Aware Named Entities (with Thomas Saalfeld and David Beck)

Measuring Party Cohesion on Parliamentary Question Keywords (with Calvin Liao, NCCU, Taiwan)

Party Competition in Times of Crisis (with Thomas Saalfeld and David Beck)

Securitization in Words: Text Analysis of Taiwan's COVID-19 Press Conferences (with Chia-Chien Chang NSYU, Taiwan; Wei-Ting Yen, Franklin and Marshall College, USA; Li-Yin Liu, University of Dayton, USA)

Unraveling Pork Barrel Dynamics through Explainable Machine Learning Methods (with Sunil Green)

## PHD THESIS

Title: *Electoral Reform, Distributive Politics, and Parties in the Taiwanese Congress* [ [pdf](#) ]

## CONFRENCEN PRESENTATION (\*: DISCUSSANT ; +:POSTER)

2018 EPSA

2019 EPSA | APSA | AsianPolMeth

2021 EPSA | MLSS<sup>+</sup>

2022 APSA | ECPR | PolMeth<sup>+</sup> | COMPTTEXT

2023 APSA\* | EPSA | EuropePolMeth<sup>+</sup> | ECPR | PolMeth<sup>+</sup>

## TOOLBOX

[legisTaiwan](#): An R Package for Accessing Real-Time and Archived Taiwan Legislative Data

[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, Howard Rosenthal.

[legisCrawler](#): Python-Based Automation Web Crawling Framework for Retrieving Parliamentary Questions from the Website of Taiwan's Legislative Yuan

[bisCrawler](#): Python-Based Automation Web Crawling Framework for Retrieving Central Bankers' Speeches from the Bank for International Settlements

## RESEARCH GRANTS & FUNDING

2022 SHAPE – Shaping Digital Citizenship, Aarhus University (with Prof. Cristina Flesher Fominaya and Dr. Natalia Miranda), *Methods and Approaches for the Study of Algorithms, Digital Activism and Social Movements* (kr 60,998)

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 Ministry of Science and Technology Taiwanese Overseas Pioneers Grants (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

## REFERENCE

**Dr Royce Carroll** Professor in Comparative Politics at University of Essex

**Dr Thomas Saalfeld** Professor of Chair of Comparative Politics at University of Bamberg

**Dr Nicole Baerg** Senior Researcher in the Bank of England and Senior Lecturer at Department of Government in University of Essex

**Dr Pei Kuang** Associate Professor in Macroeconomics, University of Birmingham