David (Yen-Chieh) Liao

Postdoctoral Researcher
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CURRENT POSITION

Postdoctoral Researcher (in data science) at Laboratory for Democratic Innovations and Social Movements and Department of Global Studies, Aarhus University   Dec 2022 - present

Researcher at the Chair of Comparative Politics, University of Bamberg   Feb 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, University of Essex   Oct 2017 – Dec 2022

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 EXPERIENCE (*: TA)

2023 Big Data and Computation for Social Data Science, *GESIS Fall Seminar in Computational Social Science* (Co-teaching with Dr. Akitaka Matsuo)

2022 Quantitative Text Analysis*, Introduction to Programming in Python for Social Scientists*, 55th *ESSEX SUMMER SCHOLL(ESS)*

2021 Introduction to Quantitative Methods in R*, 54thESS | 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*, 53rd ESS

2019 Introduction to Quantitative Text Analysis*, 52nd ESS

ACADEMIC TRAINING

2022 Introduction to Social Network Analysis, 56rd ESS

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

2019 Introduction to Bayesian Analysis for the Social Sciences, 54th ESS

2018 Ideal Point Estimation and Scaling Methods; Generalized Linear Models 53rd ESS

PHD THESIS PROJECT

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

Electoral Reform and Disunited Polarisation: Evidence from Legislative Roll Call

Electoral Reform and Pork Barrel in Parliamentary Questions

Mayors and Pork Barrelling: Career Paths and Distributive Spending

WORKING PAPERS & WORKS IN PROGRESS

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, ***R&R***)

(Mis)perception of Party-voter Congruence and Satisfaction with Democracy (with Li Tang, Middlesex University London; Royce Carroll, Essex)

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)

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

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

CONFRENCEN PRESENTATION (*: DISCUSSANT ; +:POSTER)

2018 EPSA

2019 EPSA | APSA | AsianPolMeth

2021 EPSA | MLSS

2022 APSA | ECPR | PolMeth[+] | COMPTEXT

2023 APSA*| EPSA | COMPTEXT

RESEARCH TOOLBOX

`legisTaiwan`: An R package for accessing real-time and archives of Taiwan legislative data.

`asmcjr` : The `asmcjr` package in R supports the book "*2nd Analyzing Spatial Models of Choice and Judgment*", and streamlined functions for scaling and visualising estimates with ggplot2 with Dave Armstrong, Royce Carroll, Christopher Hare, Ryan Bakker, Keith Poole, Howard Rosenthal.

`legisCrawler`: An automation web crawling framework for retrieving parliamentary questions on the Website of Taiwan Legislative Yuan in Python.

`bisCrawler`: An automation web crawling framework for retrieving for Extracting Central Bankers' Speeches on the Website of the Bank for International Settlements in Python.

RESEARCH GRANTS

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

Prof. Dr Royce Carroll in Department of Government at University of Essex

Prof. Dr Thomas Saalfeld at the Chair of Comparative Politics in University of Bamberg, Germany

Dr Nicole Baerg Senior Researcher at the Bank of England and Senior Lecturerin Department of Government, University of Essex

Dr Pei Kuang Associate Professor in Macroeconomics, University of Birmingham