

科技部人文社會科學研究中心

補助科技部跨領域研究計畫之前置規劃案結案報告

運用 AI 分析網路輿論對於政府決策與立法的影響

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計畫召集人：黃秀端

共同召集人：

計畫參與人員：黃秀端、劉書彬、蔡韻竹、左宜恩、葉向元

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## 中文摘要

近年來隨著人工智慧（Artificial Intelligence, AI）發展蓬勃，社會科學領域也積極的探索如何運用此一新穎技術開創新的研究領域或與資料科學界進行對話、合作。人工智慧及大數據運用相關技術，正可協助政治學門傳統所關注的人類行為（例如：投票行為、決策模式分析等）研究，透過快速大量的數據分析等方法，更為精準的進行各項分析與預測。

本前置計畫執行期間，除透過參與教師及學生廣泛收集國內外各項政治相關學門運用人工智慧或大數據分析等工具進行研究之成果進行檢閱外，亦邀請國內從事相關研究已有一定成果之學界、實務界人士，透過舉行專題演講，以討論方式進行跨領域的對話，以充實參與人員對相關研究方法的認識，更希望藉由此次機會，培養政治系具人工智慧相關工具運用研究之種子教師，利用所開設之課程中適時融入相關知識，使政治系修課學生得以接觸並瞭解到如何將人工智慧運用於政治相關領域，以啟發學生對相關領域及技術的興趣，進而修習本校巨資學院或各系所開設之相關課程，培養出政治領域外之第二專長。

關鍵字：人工智慧、公共政策決策分析、立法研究

# Abstract

In recent years, with the rapid development of artificial intelligence (AI), the field of social sciences is also actively exploring how to use this novel technology to open up new research fields or to conduct dialogue and cooperation with the data science community. The use of artificial intelligence and big data technology can assist the research of human behavior (such as voting behavior, decision-making mode analysis) traditionally focused on in political science. Various analyses and forecasts can be carried out more accurately through rapid and large-scale data analysis and other methods.

During the execution of this pre-plan, in addition to the extensive collection of research results of various politics-related disciplines at home and abroad through the use of artificial intelligence or big data analysis tools for review by participating teachers and students, domestic and foreign related researches have also been invited achievements of academics and practitioners, through holding special lectures and conducting cross-disciplinary dialogues in the form of discussion, to enrich the participants' understanding of relevant research methods, and hope that this opportunity will cultivate the use of artificial intelligence related tools in the political department seed teachers of research use relevant knowledge in the courses they offer, so that students in the Department of Political Science can get in touch with and understand how to apply artificial intelligence to politics-related fields, so as to inspire students' interest in related fields and technologies, and then learn the relevant courses offered by the hugely funded colleges or departments of this school cultivate the second expertise outside the political field.

Keywords: AI, public policy making analysis, legislative research