

國立陽明大學 科技與社會研究所 課程大綱

課程名稱 (中文)：數位社會

課程名稱 (英文)：Digital Society

開課系所：科技與社會研究所

授課教師：彭松嶽

授課時間：每週三 09：00 ~12：00

學分數：3 學分 (選修)

授課地點：

教學目標：當代社會正遭逢快速且廣泛的數位化，本門課試圖針對各種數位科技的擴張，包括數據的生產與使用、電腦程式與演算法的運作，或各種數位平台的興起，理解這些科技的發展在不同的社會層面造成的影響。

授課進度／時間表：請參考每週進度

閱讀文獻／課程用書：請參考每週進度，可依據學生興趣或建議調整

Week 1: Introduction

Week 2: Digital technology and society

Marres, N. (2017). Introduction and Ch. 1 What is digital sociology, *Digital Sociology: The Reinvention of Social Research*. Cambridge: Polity Press.

Week 3: Data

boyd, danah, & Crawford, K. (2012). Critical questions for Big Data: Provocations for a cultural, technological, and scholarly phenomenon. *Information, Communication & Society*, 15(5), 662–679. <https://doi.org/10.1080/1369118X.2012.678878>

Week 4: Algorithm

Kitchin, R. (2017). Thinking critically about and researching algorithms. *Information, Communication & Society*, 20(1), 14–29.

<https://doi.org/10.1080/1369118X.2016.1154087>

Week 5: Researching digital society

Marres, N. (2017). Ch. 3 Do we need new methods? and Ch. 4 Are we researching society or technology?, *Digital Sociology: The Reinvention of Social Research*. Cambridge: Polity Press.

Week 6: Social media

Bucher, T. (2012). Want to be on the top? Algorithmic power and the threat of invisibility on Facebook. *New Media & Society*, 14(7), 1164–1180.

<https://doi.org/10.1177/1461444812440159>

Week 7: City

Kitchin, R. (2014). The real-time city? Big data and smart urbanism. *GeoJournal*, 79(1), 1–14. <https://doi.org/10.1007/s10708-013-9516-8>

Week 8: Platform

Plantin, J.-C., Lagoze, C., Edwards, P. N., & Sandvig, C. (2018). Infrastructure studies meet platform studies in the age of Google and Facebook. *New Media & Society*, 20(1), 293–310. <https://doi.org/10.1177/1461444816661553>

Week 9: Hackers

Schrock, A. R. (2016). Civic hacking as data activism and advocacy: A history from publicity to open government data. *New Media & Society*, 18(4), 581–599.

<https://doi.org/10.1177/1461444816629469>

Week 10: Publics

Marres, N (2017) Ch. 5 Who are digital sociology's public?, *Digital Sociology: The Reinvention of Social Research*. Cambridge: Polity Press.

Week 11: Health

Lupton, D., & Jutel, A. (2015). 'It's like having a physician in your pocket!' A critical analysis of self-diagnosis smartphone apps. *Social Science & Medicine*, 133, 128–135.

<https://doi.org/10.1016/j.socscimed.2015.04.004>

Week 12: Gender

Ford, H., & Wajcman, J. (2017). 'Anyone can edit', not everyone does: Wikipedia's infrastructure and the gender gap. *Social Studies of Science*, 47(4), 511–527.

<https://doi.org/10.1177/0306312717692172>

Week 13: Work

Moore, P., & Robinson, A. (2015). The quantified self: What counts in the neoliberal workplace. *New Media & Society*, 1461444815604328.

<https://doi.org/10.1177/1461444815604328>

Week 14: Economy

Gerlitz, C., & Helmond, A. (2013). The like economy: Social buttons and the data-intensive web. *New Media & Society*, 15(8), 1348–1365.

<https://doi.org/10.1177/1461444812472322>

Week 15: Security

Amoore, L., & Raley, R. (2017). Securing with algorithms: Knowledge, decision, sovereignty. *Security Dialogue*, 48(1), 3–10.

<https://doi.org/10.1177/0967010616680753>

Week 16: Environment

Hogan, M. (2015). Data flows and water woes: The Utah Data Center. *Big Data & Society*, 2(2), 2053951715592429. <https://doi.org/10.1177/2053951715592429>

Week 17: Rethinking digital society

Marres, N. (2017) Ch. 6 Does digital sociology have problems?, *Digital Sociology: The Reinvention of Social Research*. Cambridge: Polity Press.

Week 18: Collective reflection and discussion

授課方式、評分方式：課堂報告 (50%) 與期末報告 (50%)