



QuantLab Event on May 26, 2025:

Python for Social Science Research: Tips, Tricks, and Lessons Learned

Seminar on: Python is one of the most widely used programming languages for research and has a broad range of applications in the Humanities, Arts and Social Sciences. It is also the de facto standard for applying emerging techniques, such as novel research integrations with Large Language Models. In this session, we explore and discuss case studies that demonstrate the tremendous breadth and flexibility of the Python language for research in the Social Sciences, touching on areas such as social network analysis and visualisation, data cleaning, working with "big data", web scraping, Natural Language Processing, translation of research tools for impact in non-academic contexts, and more.

We also look at how to get started with Python and provide an overview of some of the wonderful training opportunities available to researchers at the University.



Presented by: Dr. Daniel Russo-Batterham. From 2011 to 2013, Daniel worked as a researcher at the *Centre d'Études Supérieures de la Renaissance* in Tours, France, while completing a Master of Music. He earned his PhD in April 2018 at the University of Melbourne, where he applied computational methods to study seventeenth-century lute songs, focusing on text-music relationships. Since then, he has contributed to Digital Humanities projects globally. Currently, he is a Senior Research Data Specialist with the Melbourne Data Analytics Platform, collaborating on data-intensive research projects.

BYO Lunch!

When: 12-1pm

Where: Linkage, 4th floor, John Medley Building, Parkville

For updates and future QuantLab events visit our website:

<https://quantilab.github.io/>

If have any question, please send an email to either Irma (irma.mooi@unimelb.edu.au) or Seraphine (seraphine.maerz@unimelb.edu.au).