**Literature Review Plan**

**Anthony Walker**

**October 2023**

Papers and online resources:

* Pennington, E. A., Wang, Y., Schulze, B. C., Seltzer, K. M., Yang, J., Zhao, B., Jiang, Z., Shi, H., Venecek, M., Chau, D., Murphy, B. N., Kenseth, C. M., Ward, R. X., Pye, H. O. T., and Seinfeld, J. H. (2023), An Updated Modeling Framework to Simulate Los Angeles Air Quality. Part 1: Model Development, Evaluation, and Source Apportionment, EGUsphere [preprint], <https://doi.org/10.5194/egusphere-2023-749>
* Vardoulakis, S. et al. (2003) ‘Modelling Air Quality in street canyons: A Review’, Atmospheric Environment, 37(2), pp. 155–182. doi:10.1016/s1352-2310(02)00857-9.
* Dai Y, Mazzeo A, Zhong J, Cai X, Mele B, Toscano D, Murena F, MacKenzie AR. (2023), Modelling of Deep Street Canyon Air Pollution Chemistry and Transport: A Wintertime Naples Case Study. Atmosphere 14(9):1385. <https://doi.org/10.3390/atmos14091385>
* Ekaterina Gladkova, Liliya Saychenko, (2022), Applying machine learning techniques in air quality prediction,Transportation Research Procedia,Volume 63,,Pages 1999-2006,ISSN 2352-1465,https://doi.org/10.1016/j.trpro.2022.06.222.
* Babu Saheer L, Bhasy A, Maktabdar M, Zarrin J. Data-Driven Framework for Understanding and Predicting Air Quality in Urban Areas. Front Big Data. (2022) 25;5:822573. doi: 10.3389/fdata.2022.822573
* Liu Y, Wang P, Li Y, Wen L, Deng X. (2022) Air quality prediction models based on meteorological factors and real-time data of industrial waste gas. Sci Rep. Jun 3;12(1):9253. doi: 10.1038/s41598-022-13579-2
* Brian S. Freeman, Graham Taylor, Bahram Gharabaghi & Jesse Thé (2018) Forecasting air quality time series using deep learning, Journal of the Air & Waste Management Association, 68:8, 866-886, DOI: 10.1080/10962247.2018.1459956
* Nan Hu, Xianwei Meng, Hui Liu, and Yuchun Li. (2022). Exploring Geospatial Data Visualization Based on Python. In Proceedings of the 2022 2nd International Conference on Control and Intelligent Robotics (ICCIR '22). Association for Computing Machinery, New York, NY, USA, 858–862. <https://doi.org/10.1145/3548608.3559322>

Python & R libraries and statistical methods:

* Snowflake Inc (2019). Streamlit: an open-source app framework for Machine Learning and Data Science teams.
* Kelsey Jordahl, Joris Van den Bossche, Martin Fleischmann, Jacob Wasserman, James McBride, Jeffrey Gerard, … François Leblanc. (2020, July 15). geopandas/geopandas: v0.8.1 (Version v0.8.1). Zenodo. <http://doi.org/10.5281/zenodo.3946761>
* OS Rapid Prototyping Team (2021). Osdatahub: a python package from Ordnance Survey (OS) that makes it easier to interact with OS data via the [OS Data Hub APIs](https://osdatahub.os.uk/)
* Story, Rob (2013). Folium: Folium builds on the data wrangling strengths of the Python ecosystem and the mapping strengths of the [Leaflet.js](https://leafletjs.com/) library. Manipulate your data in Python, then visualize it in a Leaflet map via Folium.
* Wu, Q., (2020). geemap: A Python package for interactive mapping with Google Earth Engine. The Journal of Open Source Software, 5(51), 2305. <https://doi.org/10.21105/joss.02305>