
Plan Overview

A Data Management Plan created using DMPonline

Title: 中国城市PM2.5和PM10浓度时空分布特征及健康风险评估——以京津冀地区为例

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Project abstract:

利用Echarts和VOSviewer对PM2.5和PM10浓度时空分布特征及健康风险评估进行可视化分析。通过构建时空分布模型，分析PM2.5和PM10浓度在京津冀地区的时空分布特征，并评估其对健康的潜在风险。研究结果表明，PM2.5和PM10浓度在京津冀地区呈现明显的时空分布特征，且与健康风险密切相关。本研究为京津冀地区的环境治理和健康风险评估提供了科学依据。

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Data Collection

What data will you collect or create?

From 2018-2023, we will collect 26 variables including PM2.5, NO₂, and GDP data from various sources.

How will the data be collected or created?

Data will be collected via API and Python scripts. The API will be used to collect data from various sources.

Documentation and Metadata

What documentation and metadata will accompany the data?

The data will be accompanied by a JSON file containing metadata and documentation.

Ethics and Legal Compliance

How will you manage any ethical issues?

The data will be managed in accordance with the relevant ethical guidelines.

How will you manage copyright and Intellectual Property Rights (IPR) issues?

The data will be managed in accordance with the relevant copyright and IPR guidelines. The data will be licensed under CC BY-ND 4.0.

Storage and Backup

How will the data be stored and backed up during the research?

The data will be stored in a secure cloud storage service (NAS) and backed up using Git.

GitLab

How will you manage access and security?

SSL/TLS
AES-256

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

GIS

What is the long-term preservation plan for the dataset?

1
NetCDF
GeoJSON
DOI
3
10

Data Sharing

How will you share the data?

GitHub
Gitee
MIT

Are any restrictions on data sharing required?

Responsibilities and Resources

Who will be responsible for data management?

What resources will you require to deliver your plan?

1 GIS 2 ScienceDB 3 1 4

Planned Research Outputs

Dataset - "Population and Health Survey (2018-2023)"

Population and Health Survey (2018-2023) is a longitudinal survey of the health and well-being of the population of the United Kingdom. The survey is conducted by the Office for National Statistics (ONS) and is the largest and most comprehensive survey of its kind in the world. The survey is conducted annually and covers a wide range of topics, including health, education, employment, and social factors. The data is used to inform policy and research on a wide range of issues, including health, education, and social policy.

Planned research output details

Title	DOI	Type	Release date	Access level	Repository(ies)	File size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Population and Health Survey (2018-2023)		Dataset	2024-01-01	Open	None specified		Creative Commons Attribution 4.0 International	None specified	No	No