
Plan Overview

A Data Management Plan created using DMPonline

Title: 中国城市PM2.5和PM10污染现状与趋势——基于多源数据的分析

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Template: DCC Template

Project abstract:

本文使用Echarts和VOSviewer对2013-2023年中国城市PM2.5和PM10的污染现状与趋势进行了分析。通过构建网络图，展示了不同城市之间的污染关联。结果表明，PM2.5和PM10的污染水平在2013-2023年间呈现出明显的上升趋势，且PM2.5的污染水平显著高于PM10。此外，PM2.5和PM10的污染水平与NO₂的污染水平存在显著的正相关性。

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Data Collection

What data will you collect or create?

2018-2023 26 26 PM2.5 NO₂ GDP

How will the data be collected or created?

API Python API

Documentation and Metadata

What documentation and metadata will accompany the data?

JSON

Ethics and Legal Compliance

How will you manage any ethical issues?

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

CC BY OGD MIT

Storage and Backup

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

NAS 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 ScienceDB 3
1 4

Planned Research Outputs

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

Population and Health Statistics (2018-2023) is a dataset containing demographic and health data for various countries. It includes information on population growth, birth rates, death rates, and health indicators such as life expectancy and infant mortality. The data is sourced from the United Nations Population Fund (UNFPA) and the World Health Organization (WHO). The dataset is available in both English and Spanish. It is a valuable resource for researchers and policymakers interested in population and health issues. The dataset is updated annually and covers the period from 2018 to 2023. It is available for download in CSV or Excel format. The dataset is licensed under the Creative Commons Attribution 4.0 International License. It is a public domain dataset and can be used for research and educational purposes. The dataset is a key component of the Population and Health Statistics project, which aims to provide comprehensive and up-to-date information on population and health trends worldwide. The dataset is a critical tool for understanding the challenges and opportunities facing populations and health systems in the 21st century. It is a valuable resource for anyone interested in population and health issues. The dataset is a key component of the Population and Health Statistics project, which aims to provide comprehensive and up-to-date information on population and health trends worldwide. The dataset is a critical tool for understanding the challenges and opportunities facing populations and health systems in the 21st century. It is a valuable resource for anyone interested in population and health issues.

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 Statistics (2018-2023)		Dataset	2024-01-01	Open	None specified		Creative Commons Attribution 4.0 International	None specified	No	No