
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

Creator: SuiYe Wan

Project Administrator: 王瑞, 王瑞

Affiliation: Other

Template: DCC Template

Project abstract:

利用Echarts和VOSviewer对京津冀地区PM2.5和PM10浓度时空分布特征及健康风险评估进行了可视化分析。结果表明，京津冀地区PM2.5和PM10浓度在空间上呈现明显的聚集性，且在不同季节和不同城市之间存在显著差异。健康风险评估显示，PM2.5和PM10浓度与呼吸系统疾病发病率之间存在显著的正相关性。本研究为京津冀地区PM2.5和PM10浓度时空分布特征及健康风险评估提供了重要的参考依据。

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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 2 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 is available for download in CSV or Excel format. It is also available as a web application for interactive exploration. The dataset is licensed under the Creative Commons Attribution 4.0 International License. It is a public good and is available for free use and distribution. 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 a wide range of stakeholders, including researchers, policymakers, and the public. The dataset is a testament to the commitment of the UNFPA and WHO to providing high-quality, reliable data on population and health issues. It is a key resource for advancing our understanding of the world's population and health and for developing effective policies and programs to improve the lives of people everywhere.

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