
Plan Overview

A Data Management Plan created using DMPTool

Title: Air Quality Project in South Phoenix

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Project abstract:

People living in South Phoenix are disproportionately affected by poor air quality compared to other areas in the Phoenix metro area. Environmental, political and social policies have negatively affected the air quality in the South Phoenix neighborhoods leading to an increase in health issues for its inhabitants.

Start date: 08-20-2021

End date: 05-01-2022

Last modified: 04-25-2022

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Air Quality Project in South Phoenix

Data Collection

What data will you collect or create?

Research Table: Numerous online, journal, etc articles that are applicable to the project

Air Quality Sensor Data: Use excel to analyze air quality data and look for trends

Meeting Minutes: Summary of weekly meeting with the team

How will the data be collected or created?

Secondary Research: Collected in a shared research table

Primary Research: Interviews and air quality sensor data collection and analysis

Software: Excel, Powerpoint, Visio, Word, Microsoft Project

Documentation and Metadata

What documentation and metadata will accompany the data?

Documentation: Meeting minutes, research table, power points, project reports

Ethics and Legal Compliance

How will you manage any ethical issues?

- Identify the issue
- Don't over exaggerate
- Keep agreements and act sincerely

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

We will make sure we have reliable sources and properly display that we are not the owners of the IP. We will cite all of our sources regardless if the data is owned or not.

Storage and Backup

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

Everything we write will be backed up on Google Drive in addition to having copies on our personal computers.

How will you manage access and security?

We will work on private pages on Google Drive and only give access to people who need to work on it and/or read it.

Selection and Preservation

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

- Data that lead to an important cause of a problem or to solve should be preserved
- Statistics and numbers are always present as proof to back up the argument regarding the issue.

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

- All team members will have a copy of the dataset as well as being backed up on drive.
- Data should be saved in multiple ways as it would be important to include in future resumes when applying for jobs or internships.

Data Sharing

How will you share the data?

- Share all data with sponsor as a research, scope statements,...etc
- Publish the team website for all people.
- Spreading the research over social media could assist in actions taking.

-Share to students in similar engineering field as an example of what are you expected to work on in the future.

Are any restrictions on data sharing required?

- Data should not be used by other people as their own work, only as a reference.
- Data should only be available to raise awareness and take action to solve the issue

Responsibilities and Resources

Who will be responsible for data management?

Since this is a two person team, both members will be equally responsible for painting data management.

What resources will you require to deliver your plan?

Extensive research is needed in order to deliver our plan.