
Plan Overview

A Data Management Plan created using DMPOnline

Title: Data Management Plan for the Research “Development of Research Competence of Mathematics Teachers in the System of Postgraduate Pedagogical Education”

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Project abstract:

The research focuses on the development of research competence of mathematics teachers in the system of postgraduate pedagogical education. The study aims to investigate the factors that influence teachers' research skills and their professional development. Empirical data will be collected through surveys, questionnaires, and analysis of educational practices. The research will contribute to improving teacher training and supporting the development of research competence in continuing professional education.

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Data Management Plan for the Research “Development of Research Competence of Mathematics Teachers in the System of Postgraduate Pedagogical Education”

Data Collection

What data will you collect or create?

The research will collect empirical data related to the development of research competence of mathematics teachers. The data will include survey responses, questionnaires, and analytical materials obtained from teachers participating in postgraduate professional development programs.

How will the data be collected or created?

The data will be collected through online surveys, questionnaires, and analysis of educational activities and professional development programs of mathematics teachers.

Documentation and Metadata

What documentation and metadata will accompany the data?

All research data will be documented with clear descriptions, variable explanations, and methodological notes. Metadata will include information about the author, date of data collection, research context, and data structure to ensure proper interpretation and reuse.

Ethics and Legal Compliance

How will you manage any ethical issues?

The research involves human participants (teachers). Participation will be voluntary and based on informed consent. Personal data will be anonymized to ensure confidentiality and compliance with ethical research standards.

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

All collected data will be processed in accordance with ethical research principles and relevant data protection regulations.

Storage and Backup

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

Research data will be stored on secure personal and institutional storage devices.

How will you manage access and security?

Backup copies of the data will be maintained on cloud storage services such as Google Drive to prevent data loss.

Selection and Preservation

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

Relevant research data and documentation will be selected for long-term preservation.

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

The data may be preserved in trusted research repositories such as Zenodo or institutional repositories.

Data Sharing

How will you share the data?

Selected anonymized datasets may be shared with the research community.

Are any restrictions on data sharing required?

Data may be made available through open research repositories in accordance with open science principles.

Responsibilities and Resources

Who will be responsible for data management?

The researcher is responsible for data collection, documentation, storage, and protection.

What resources will you require to deliver your plan?

The research will use standard digital tools for data storage and analysis.