
Plan Overview

A Data Management Plan created using DMPTool

Title: The Effects of Heat on Amateur Athletes

Creator: Bryant Redmond

Affiliation: Arizona State University (asu.edu)

Funder: National Science Foundation (nsf.gov)

Funding opportunity number: 31414

Template: NSF-SBE: Social, Behavioral, Economic Sciences

Last modified: 02-17-2018

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customize it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

The Effects of Heat on Amateur Athletes

Roles and responsibilities

The Data Management Plan should outline the rights and obligations of all parties as to their roles and responsibilities in the management and retention of research data. It must also consider changes to roles and responsibilities that will occur should a principal investigator or co-PI leave the institution.

For each match there will be a total of three observers, each observer will be given a specific statistic to monitor. For example, observer A may be tasked with monitoring passing data for one team, observer B may be tasked with monitoring passing data for the opposing team, and observer C may be tasked with observing sprints, fouls, goals, etc. The data will be shared, and possessed by each member of our research group.

Expected data

The Data Management Plan should describe the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project. It should then describe the expected types of data to be retained.

The data used in this research project will be observational. There will be various type of data collected, including but not limited to, temperature, number of goals scored, number of substitutions by each competing team, and number of sprints by the players of each competing team. The data will be compiled by taking notes, completing a pre-generated spreadsheet, retrieving temperature data from multiple temperature sensors placed throughout the field.

Period of data retention

SBE is committed to timely and rapid data distribution. However, it recognizes that types of data can vary widely and that acceptable norms also vary by scientific discipline. It is strongly committed, however, to the underlying principle of timely access, and applicants should address how this will be met in their DMP statement.

Each member of the research team retains the right to use the data until we have finished collecting, analyzing and documenting our findings. The estimated end of our research will be April 2018. The compiled research data will remain in the possession of each member of the research group while the research is being conducted. After the completion of our research each respective member will have a copy of all files related to the research project indefinitely.

Data format and dissemination

The Data Management Plan should describe data formats, media, and dissemination approaches that will be used to make data and metadata available to others. Policies for public access and sharing should be described, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements. Research centers and major partnerships with industry or other user communities must also address how data are to be shared and managed with partners, center members, and other major stakeholders.

Data format will be electronical filed (Spreadsheet, .csv). This type of file format was chosen to store various statistics of our research findings, which can be exported to create graphs of specific parameters. The metadata will include fieldnotes, instruments used to collect data (i.e. Camera for photography, temperature sensors). The format I will use for the metadata will be the Data Documenting Initiative's (DDI) archiving for social science.

Data storage and preservation of access

The Data Management Plan should describe physical and cyber resources and facilities that will be used for the effective preservation and storage of research data. These can include third party facilities and repositories.

The research data will be collected, transferred to a spreadsheet, and stored on a USB flash drive to ensure preservation of the data. The data will be kept indefinitely after the life of the project.

Additional possible data management requirements

More stringent data management requirements may be specified in particular NSF solicitations or result from local policies and best practices at the PI's home institution. Additional requirements will be specified in the program solicitation and award conditions. Principal Investigators to be supported by such programs must discuss how they will meet these additional requirements in their Data Management Plans.

Question not answered.