Plan Overview

A Data Management Plan created using DMPTool

Title: Capstone project

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Project abstract:

Performance for shooting a basketball will be compared using different prosthetic hands. The hands being used are the TRS Hoospter, TRS Rebound hand, and a generic Hosmer hand as the control group. The participant will shoot 100 free throws with each hand and the results will be collected and compared to see which one promotes optimum performance.

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Copyright information:

Capstone project

Data Collection

What data will you collect or create?

I will create an upper extremity device to shoot a basketball for those who are upper extremity amputees. I will be comparing the TRS hoopster hand, TRS rebound hand, and the hosmer hand as a control. 100 free throws will be shot with each device and then compared to each other.

How will the data be collected or created?

The data will be collected by someone keeping track of how many free throws that is made in the basketball hoop with each hand.

Documentation and Metadata

What documentation and metadata will accompany the data?

The results of how many free throws are made with each hand by keeping a tally.

Ethics and Legal Compliance

How will you manage any ethical issues?

There will not be any because I am testing myself shooting the free throws.

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

I will be using the devices for two weeks and then returning them. This study has never been done before, so the results will be new.

Storage and Backup

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

It will be entered in an excel sheet and in a personal notebook.

How will you manage access and security?

That will not be a concern.

Selection and Preservation

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

All of the free throw shots for each hand showing which hand had the best performance.

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

It will be stored in a computer excel sheet.

Data Sharing

How will you share the data?

In a table format comparing the results.

Are any restrictions on data sharing required?

None

Responsibilities and Resources

Who will be responsible for data management?

I will be responsible for them.

What resources will you require to deliver your plan?

I will need the three upper extremity prosthetic hands mentioned earlier and my computer to collect data reslts from the free throws.