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# Capstone project

*A Data Management Plan created using DMPTool*

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Template: RST

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.

Last modified: 09-25-2018

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## Data Collection

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.

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

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

## Ethics and Legal Compliance

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

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

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

That will not be a concern.

## Selection and Preservation

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

It will be stored in a computer excel sheet.

## Data Sharing

In a table format comparing the results.

None

## Responsibilities and Resources

I will be responsible for them.

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