Atlatl experiment discussion

1) Greater arm length for the most part correlates to greater distance when throwing an atlatl. There are some instances where it doesn’t though, but that might just have to do with the skill of the person or their arm strength. Total height does not always correlate to greater distance when throwing an atlatl. Though, I do think based on the way I observe our data that total height for the males does for the most part correlate to greater distance, and the females have a shorter distance no matter the total height. In the end, I feel a lot of this has to do with strength, skill, and practice to get the greatest distance.

2) I’m not really sure if dart length or whether the dart is 5- or 6-feet long correlates to the achievement of greater distance when throwing an atlatl. I want to say that there is no correlation because the shorter dart will go farther for some and be closer for others, and the longer dart does the same sort of thing with some people having it be closer and others having it be farther away. At the same time though, there are some people that have either the same distance or really close distances even after two trials of two different dart lengths. This is why I’m leaning more towards dart length not correlating to the achievement of greater distance when throwing an atlatl.

3) Does gender correlate to greater distance when throwing an atlatl? Does accuracy correlate to greater distance when throwing an atlatl? Does greater arm length complement the accuracy of a thrown atlatl? Does greater total height complement the accuracy of a thrown atlatl?

4) One flaw was the cold weather in April that could have thrown some people off their focus when trying to throw a dart. Another flaw was that we only did two trials for each dart, and if we did more trials then the data would be better and more accurate. Also, the measuring tapes being used were a flaw in the sense that someone had to read them and if it was close to multiple points then the person had to guess which one was better, so the data might not have been as accurate. Another flaw could be that how we got our accuracy scores was by estimating if it was more down the middle or not, which means some people could have had different opinions on if a dart was accurate or not. Some people could have even measured arm length or height wrong, so that could skew some of our conclusions more to one side.