

Draft Revisions Based On Comments from Lynne and Greg

Addressing Lynne's Notes:

1. As we've discussed, you'll need to revisit this, and just use Euclidean distance.
Correction noted, we're now using Euclidean distance as the Haversine function isn't needed. Our project draft has now been updated to reflect this.
2. These responses should show up in another document (either replying directly to the comments in the PDF file, or pulling the comments out into a separate document and responding to them), but the changes should be implemented in the draft.
Understood, for this draft and all future drafts our comments will be addressed on a separate document (as these comments are being addressed here).

Addressing Greg's Notes:

1. The data description is still lacking. For example, you say the trackers periodically send data. What does periodically mean? Hourly, daily, monthly?
The tracking devices relay information about our bulls every 4 hours, daily. Our project draft has now been updated to reflect this.
2. Be consistent with the way you style the numbers (1 vs. one), and the way you're indexing the bulls ("Bull 1" vs. "bull 1").
Correction taken. We've decided to stick with the "Bull 1" format. Our project draft has now been updated to reflect this.
3. I think you should present this formula (and explain why you're using it instead of Euclidean distance)
We have decided to use euclidean distance instead of the Haversine formula. Since our elephants' travel paths don't span extremely far distances globally, we didn't think it was necessary to consider the curve of the Earth in our distance calculations. We've included in this draft the Euclidean formula that we used.

4. I'd like more details on how these distances are computed — are these average daily distances throughout the month? minimum distance?

Yes, they are averaged daily distances throughout the month. This question has now been addressed in the “Calculating Euclidean Distances” section of our paper.