

# Hewlett Packard Enterprise Data Science Institute

## Data Visualization using ParaView and Tableau

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## EXAM

Only folks seeking the HPC certificate or related Badges must take the exam.

All others are welcome to take it in person too but we will not be helping/grading them.

You can use anything that helps: the notes, google, books, etc. but obviously do not copy solutions from the internet.

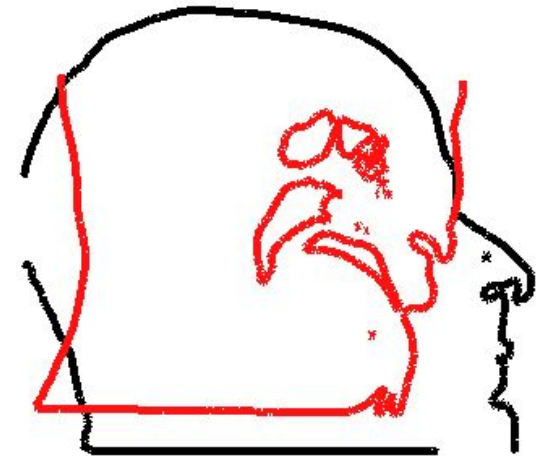
Submit your results to the moodle so TA can grade them. They will have to convey the message of course.

# Problem 1

## Use ParaView to do this plot



Full head (Skin.vtp)  
Partial head (headsq.vti)



## **Problem 1**

### **Use ParaView to do this plot**

- Skin.vtp (only contains the skin)
- headsq.vti (contains the full scan)
- Left panel. These data files are both of the same nature but totally different. You have to work with headsq.vti to see the skin only, to position it side by side with Skin.vtp, and also to match the scales (same size heads), as much as possible.
- Right panel. The idea is to produce a quantitative, simple-to-read comparison in 2d. These are slices right at the middle of the heads.
- If you have time, then reproduce this panels but using the skulls instead of the skin (you will need to download skull\_bone.vtp in this case.)

both files skin.vtp and headsq.vti are also available at [tinyurl.com/cacds-viz2](http://tinyurl.com/cacds-viz2)