

Lab 4 goals

1.) Create figures (if you don't already have them) for your project **due at 4pm today**

2.) Create slide(s) similar to last week where

- For artificial data set, slide includes picture of data set and several different pythonmapper outputs for this data set (similar to last week's sample.pptx). Upload to Lab 4 slides on ICON.
- Also include slides from a "real" data set. Put your name on these slides.

These slides will be collated and posted on ICON so that the entire class can see what data sets you are interested in and see sample mapper outputs.

3.) Take Survey 2/8 on ICON (optional).

4.) Work with R, **jupyter notebook (optional)**, pythonmapper.

To install anaconda including jupyter notebook, etc on basement linux box, you can run the following in a terminal window:

```
> install-jupyter
```

To start jupyter-notebook on basement linux box, type the following in a terminal window:

```
> jupyter-notebook
```

See other files in http://homepage.divms.uiowa.edu/~idarcy/COURSES/TDA/LABS/LAB4_jupyter/ for additional instructions.

5.) Spend time working with a real data set. You can find a real data set via

- googling (or duckduckgoing, etc): "topic of interest" type:.csv
- <http://archive.ics.uci.edu/ml/datasets.html>
- <https://www.kaggle.com/datasets>
- Using the following command in R: `data()`