**Tentative Steps for Distributed Energy Resource GIS Probability Function Formulation:**

1. Install Github & pull repository by using the following commands in the terminal:
   1. To get up-to-date:

git pull

* 1. To update repo (make sure you are up-to-date first:

git add –A

git commit –m “write what you want here”

git push

1. Get familiar with all fields available in ‘Compiled\_NUG\_Requests.xlsx’
2. Capture outline of NC & SC. X,Y to LAT, LONG
3. Find a way to convert all addresses, towns, and counties to LAT,LONG
4. Create a 3D visualization of capacity installed in the DEC/DEP service territory.
5. Load & display DEC substation locations
6. Relate interconnection requests to substation
7. Read Chapter 1 & 2 in this book and conduct research in how to construct a probability function which can accept location and estimate the amount of each type of PV interconnect requests the utility will encounter: <https://books.google.com/books?id=sr-LDDGhL3QC&lpg=PR1&ots=Dxv8kusxeS&dq=Springer%20Handbook%20of%20Geographic%20Information%20pdf&lr&pg=PA20#v=onepage&q=Springer%20Handbook%20of%20Geographic%20Information%20pdf&f=false>