Notes\_Week0\_Inclass

1. Welcome back to Cal – well sort of – we are starting remote but that will likely change as the semester goes on – more later
2. What is PyEarth?
   1. Course goals are to start to build a skill set in numerical/computer problem solving that is useful for upper division Earth Science classes, and mathematics and physical science courses in general
   2. A gateway to using computers in research projects
   3. A skill set that you can put on resumes
   4. Learn about interesting Earth Science problems and using computers to study them.
3. We will be remote at the beginning but will transition to a hybrid model, and possibly a full in-person model as the semester goes on.
   1. Hybrid – remote lecture, but optional in-class opportunity with Reader/GSI and Connector Assistants
4. Take a look at the syllabus
5. My introduction
   1. I am a Geophysicist/Seismologist in the Earth and Planetary Science Department
   2. I am interested in seismic wave propagation, earthquake sources, “exotic” seismic sources, and nuclear explosion monitoring
   3. I use computers every day in my own research and that of my students. We use programs in Fortran, C and with growing regularity Python.
6. Please introduce yourselves in the chat (major if declared, what you are considering as a major, what you are hoping to get from this class)
7. Review Bcourses
   1. Syllabus
   2. In-class assigments
   3. Homework assignments
   4. Final project assignment
8. Jump into the week0 material

Python Data Analysis Libraty - Pandas