**00 Globals-Regular Documentation**

**Main Purpose:** Set up environment for running main analyses by configuring file paths, global variables, and installing necessary commands based on which user is executing the file.

**Functions:**

1. User ID/Path Setup
   1. Capture cd is used to set current working directory
   2. Capture cd is used to assign a user number (1-9) to global var user
2. Global Path Assignments
   1. Based on identified user (1-9)
      1. Set global paths for data sources: raw, tempdir, cemsdir, datadir, cemsdirreg, rawreg, rawkill, rawmarge
3. Set up temporary file paths
   1. Script creates global paths for temp files temp1, temp2 … temp11
4. Defines regions (all regions just contains sum of e+w+t)
   1. Global allRegions
      1. regionsEast
      2. regionsWest
      3. regionsTexas
5. Defines hours and hours short
   1. Global hoursShort 1 17 23 24
   2. Global hoursAll 1 2 … 24
6. Defines BA codes
   1. EastBACodes
   2. WestBACodes
   3. TexasBACodes
7. Defines dropped BA codes due to no data
   1. DrEastBA
   2. DrW…
   3. DrT…
8. Defines subregion BA codes
   1. 82 East subBA
   2. 31 West subBA
   3. 8 Tex subBA
   4. All BA Codes
   5. All Sub BA codes
   6. Canadian BA Codes
   7. Mexican BA codes
9. Installation of required stata packages
   1. Spmap
   2. Winsor
   3. Cfout
   4. Sets type to double permanently
10. Creates basic data about number of Bas and SubBAs
11. Defines BAsub Codes by region

**Core Issues:**

* Directories inflexible
  + Potential solution:
    - Port into aws with one login
    - Having version control and forks will allow individuals on team to create own directories and refactor code to make more lightweight/less messy
    - No need for capture cd or definition of users 1-9
* Lot of redundancy?
  + Redefinition of things, lists are repeated, no sublists for regions from comprehensive, etc.
  + Solution:
    - Refactoring into python should help with bulk of this, can make one big dictionary for regions/BAs/subBAs/etc. and then just create sublists based on desired key from dictionary