**INTRODUCTION:** In switching from ISI to Keck the roots of every pathway have changed. This will have an effect on every program that reads in data that was previously stored at ISI. Instead of manually changing every path in every program, it is possible to find and replace the old roots with the new roots from the Putty command line. Since the organization of the directories is the same after the initial root, no other changes should be necessary. There are 2 main roots that we use – Project Folders, where intermediate datasets and outputs are stored, and Data Library, where raw data is stored.

**RECURSIVELY REPLACE ISI PATHS WITH KECK PATHS – PROJECTS FOLDER**

Old Root: /nfs/sch-data1/projects/dua-data-projects

New Root: /sch-projects/dua-data-projects

Command:

1. **SAS:** *find . -name "\*.sas" -print | xargs sed -i 's@/nfs/sch-data1/projects/dua-data-projects@/*sch-projects/dua-data-projects*@g'*
2. **STATA:** *find . -name "\*.do" -print | xargs sed -i 's@/nfs/sch-data1/projects/dua-data-projects@*/sch-projects/dua-data-projects*@g'*

**RECURSIVELY REPLACE ISI PATHS WITH KECK PATHS –DATA LIBRARY**

Old Root: /nfs/sch-data-library/dua-data

New Root: /sch-data-library/dua-data

Command:

1. **SAS:** *find . -name "\*.sas" -print | xargs sed -i 's@/nfs/sch-data-library/dua-data@/sch-data-library/dua-data@g'*
2. **STATA:** *find . -name "\*.do" -print | xargs sed -i 's@/nfs/sch-data-library/dua-data@/sch-data-library/dua-data@g'*

**COMMAND EXPLANATION:**

1. *find . –name “.sas” –print*
   1. Identifies all files in the current folder and all subfolders that have the extension “.sas”. This extension can be replaced to identify all stata files by making it “.do” or “.ado”.
2. *xargs*
   1. This command is used when you want to pass a lot of arguments to one command. xargs will combine the single line output of find and run commands with multiple  
      arguments
3. *sed –i ‘s@find@replace@g’*
   1. This statement will find the string in the find position and replace it with the string in the replace position for all files ending in the appropriate extension (step 1) for all files in the current folder and all subfolders.