

## **Steps for Installing and Running Student Version of AMPL on Mac OS X 10.9**

1. Go to <http://www.ampl.com/DOWNLOADS/> and click the link for Mac OS X under the header Quick Start Instructions for Unix. This will download a file called 'ampl'.
2. Create a folder called AMPL and place in your home directory i.e. `/Users/ComputerName` where ComputerName is unique to the individual.
3. Place this new 'ampl' file you downloaded in this new folder.
4. Open the application Terminal. (Easiest way to do this is go to the spotlight search bar in the top right corner and type Terminal)
5. Type: `cd ~/AMPL` and press enter.
6. Type: `chmod +x ampl` and press enter. Your 'ampl' file is now executable.
7. Download a solver for use with AMPL. We will use MINOS (minos.gz) as this is the default and easy to install:  
  
([http://www.ampl.com/netlib/ampl/student/macosx/x86\\_32/index.html](http://www.ampl.com/netlib/ampl/student/macosx/x86_32/index.html))
8. Place the downloaded file 'minos.gz' in your AMPL folder.
9. Extract the file 'minos'.
10. Reopen Terminal.
11. Type: `cd ~/AMPL` and press enter.
12. Type: `chmod +x minos` and press enter. Your 'minos' file is now executable.
13. Create your .mod and .dat files. (If using .run files, be sure to specify the solver with its full directory path)

- 14.** Reopen Terminal.
- 15.** Type: `cd ~/AMPL` and press enter.
- 16.** Type: `./ampl` and you should notice that Terminal now says `ampl`:
- 17.** Load the model file by typing: `model model.mod;`
- 18.** Load the data file by typing: `data data.dat;`
- 19.** Select the solver by typing: `option solver 'directory';` where  
    'directory' is the full location of 'minos'.
- 20.** To run your model type: `solve;`
- 21.** If using a .run file, simply type: `include run.run;` and skip steps 16-18.