INSTRUCTIONS FOR INSTALLING AND RUNNING AMPL AND ITS SOLVERS

From Canvas, download the AMPL software (.zip or .tgz) file for Windows, Linux, or Mac.

For Windows systems:

To install: Create a folder where you will put all your AMPL-related files.

Copy the distribution zip file, ampl_mswin32.zip or ampl_mswin64.zip, to your folder. Then "unzip" this file to place all of the individual AMPL program files into your folder; usually the unzip process can be started by double-clicking on the zip file.

To run: Double-click "sw.exe" and type "ampl" at the prompt in the window that appears. Then you will see an "ampl:" prompt and can proceed to type AMPL commands. By default the MINOS solver will be invoked by AMPL's "solve;" command; to switch to another solver, use a command of the form "option solver xxx;" where xxx is a solver that you have been instructed to use.

To run via the IDE (Integrated Development Environment): In your AMPL folder, enter the "amplide" folder and then double-click "amplide.exe" to start the IDE.

For Linux systems:

To install: Download *ampl_macos64.tgz* from Canvas to your Linux machine. Move the file to a folder where the application will sit. Then "unzip" the file via a command like:
       tar xvf ampl_linux-intel64.tgz

To run: Type "ampl" at the system prompt. (If you see "command not found" then add the path to your start-up file.) When it works, you will see an "ampl:" prompt and you can proceed.
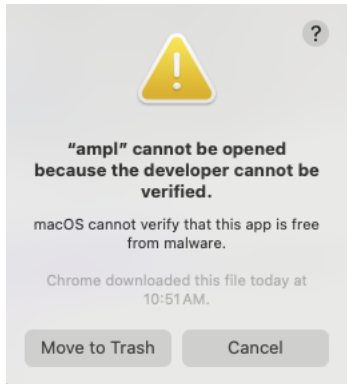
For MacOS systems:

To install: Download *ampl_macos64.tgz* from Canvas to your Mac's *Applications* folder. Then "unzip" *ampl_macos64.tgz*; usually the unzip process is started by double-clicking on the file. This will create the folder: ampl_macos64 within *Applications*.
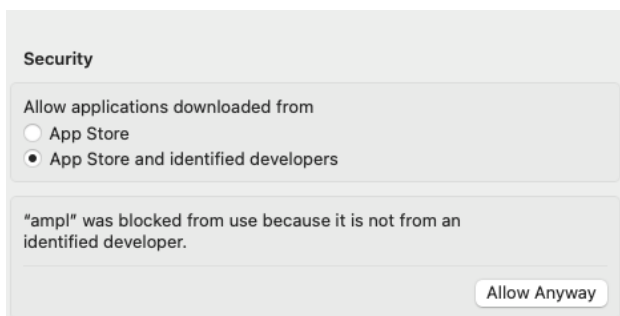
To run for the first time: Open a Mac Terminal and type
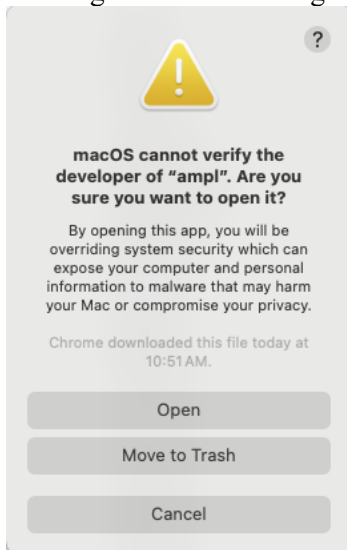   */Applications/ampl_macos64/ampl*
The first time you run ampl you may obtain an error like this:

In this case, go to System Settings / Privacy & Security, where you'll see something like:

Click Allow Anyway. After doing so, type */Applications/ampl_macos64/ampl* in Terminal again. You'll get another warning:

Click open and you'll be on your way. The first time you invoke the Gurobi solver, you'll need to deal with the same security issue in a similar way (three times on my machine).

Here are some **additional notes for Mac installation**:

If you're having issues with "command not found" or you don't want to type the entire path each time (e.g., */Applications/ampl_macosx64/ampl*) then edit your *.zprofile* start-up file, which for me

is in the folder: */Users/morton*

To add ampl to your path, add the following two lines to your *.zprofile*:

 # Setting PATH for AMPL
export PATH=$PATH:/Applications/ampl_macos64

Use *Command+Shift+Period* to display invisible files like *.zprofile*

If you're not using the default z shell then the start-up file may differ.