How to Connect and Control HV Supply with Python

1. Understand this sucks, and it took Will and Rebecca a lot of frustration to finally ask Dr. Drew, who fixed it in minutes.
2. No idea why this works. It just does.

Steps:

* Download HV Test files (HVEthernetTests.py, SpellmanHvSupply.py)
* Ensure the python instance (or virtual environment) has socket downloaded
  + <https://docs.python.org/3/howto/sockets.html>
    - You don’t need to understand this, just know it exists
* Confirm IP address matches “192.168.10.61”
  + Text

    Description automatically generated
* Now, make sure the computer is set up to match that IP address matches by matching your computer’s stuff (instructions shown on Windows 10 computer)
  + Graphical user interface, text, application

    Description automatically generated
  + Graphical user interface, text, application, email

    Description automatically generated
  + Graphical user interface, text, application, email

    Description automatically generated
  + The following will change based on your setup. In our case, Ethernet cable is connected to the HV supply (you can test by plugging Ethernet cable into and out of HV supply (supply must be turned on) )
  + Graphical user interface, text, application

    Description automatically generated
  + Graphical user interface, text, application, email

    Description automatically generated
    - Double click ICP v4
  + Copy the following window’s settings into your computer
  + Graphical user interface, text, application

    Description automatically generated
    - For some reason, you need to be +1 on the HV supply’s IP address. I (Will Graham), don’t understand why that is, but it worked.