Magellan Experience Report

1) **Problem: Installation on a Windows Machine**
    - Installing Magellan on a Windows 10 machine was quite frustrating
    - I kept getting the following error:

      ImportError: Building module magellan.cython.test_functions failed: ['Dist utilsPlatformError: Unable to find vcvarsall.bat\n'

    - The problem was actually occurring because some environment variables needed to be set that were not set. I had to add code to the msvc9compiler.py file in Anaconda to get it to finally work
    - **Suggestion:**
        - **In the Magellan Installation Guide, have a section under Windows installation that addresses this error because I believe this error will occur across most Windows Machines.**
        - **Here is the link that was extremely help to me and finally made the installation successful:**
            - **https://github.com/cython/cython/wiki/CythonExtensionsOnWindows**

2) **Problem: Reinstallation of Magellan on Windows Machine**
    - Reinstalling Magellan on Windows 10 was again, very frustrating, as there was another error:

      error: no lapack/blas resources found

    - This error was fixed installing scipy, numpy, setuptools, python, etc as well as pip installing jupyter
    - **Suggestion: Add documentation in Magellan Installation guide addressing this error**

3) **Magellan is persnickety about spaces between attribute names in tables**
    - **Suggestion: Add in documentation about this or make Magellan more flexible so as not to throw an error if it encounters spaces between attribute names**

4) **Magellan has a union function for blocking of two sets; It would be helpful to also have an intersection function**

5) **Overlap blocking: add functionality to overlap blocker so it can overlap given percentage of matching characters between two attribute values**

6) **Triggers: there doesn't seem to be a way to delete rules in a trigger: example- add 3 rules to one trigger, and then I want to delete first rule**

7) **Adding triggers interfered with the feature table- so every time I wanted to add a new trigger, I also had to run a command that would copy the original features**