**Python MADM Program**

*(Script to work any MADM Algorithm on any Decision Matrix)*

**Strategy**

./madm –f decisionmatrix.txt –a topsis –v –s <-e variables\_exaustive\_0\_100.txt | -w variables\_weights\_by\_range.txt>

-f file for DM, in the shape of a dataframe or csv with column names, then weights, then alternative 1 .. N

-a algorithm topsis, saw, ect.., default is topsis

-v verbose, a ton of print statements

-s sensitivity analysis, specify which variables you want to exhaustively look at