

Writing Assignment 2

Due Monday, February 1, 11:59 PM

We have discussed ways to calculate a “distance” between two 2-by-2 matrices.

Look up the definition of a metric on a set. Any set equipped with a metric is called a *metric space*.

Of the notions of distance we came up with (for 2-by-2 matrices), which are actually metrics? Discuss, explore. Is there any sense in which you feel like these metrics “should” be equivalent? Or should not be?