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We can hop on a different data set

1. Measure accuracy of data set.
2. What does side by side really mean? How do we compare these methods? Base it on literature.

The plane that we generate has a particular granularity to it that we will need to interp around

Created an interpolation test using rbf

1. Training data and testing data are shuffled randomly into two sets given a validation percentage.

2. The training data is used to generate a MADGE surface plot.

3. The testing data is interpolated using the scipy radial basis function with a cubic splines method

See below:

<https://docs.scipy.org/doc/scipy/reference/generated/scipy.interpolate.Rbf.html>

I have also attached the interpolation method for a sanity check as well.

4. If the test output point has an interpolated Z value above 0, it is one classification. If it is below 0, it is another classification. You can refer to the diagram if you want to confirm that this is correct.

5.  Accuracy is just a measure of whether the resulting predicted value is the same as the test value.