9/9/2019

Imported playground data for early classification. There was a repo required to build the data set, and that took some time to do.

I need to update RUML to match with new design patterns.

There may be a way to get dynamic graphs working. It seems to be in prototype? I will be working on a pickle that can save graphs. –

<http://fredborg-braedstrup.dk/blog/2014/10/10/saving-mpl-figures-using-pickle/>

<https://stackoverflow.com/questions/4348733/saving-interactive-matplotlib-figures>

Updates from Braude:

The blue surface generated in the graph should be changed to a different color. We should make sure colors aren’t confusing.

Compare this method with other classification techniques. Download the other data sets and do some analysis on them.

Implement other methods – compare speed and accuracy

Lower the sigma of the Gaussian – we should see the surface drop faster and even out faster

Neural net – other data like the swirls, other globs on the playground tensorflow site

RUML is supposed to be helping me – keep this updated

1. Objectives of the project (1-2 sentences)

The objective of this course is to determine if the MADGE classification process can compare to

1. What was implemented and documented last week?
2. Plans for upcoming week?

Saving pickled data:

Irrelevant now that we are using a different plotting system.

RUML Comments

I think that Class... depends also on Madge.. (extend the line and insert new arrow).

"state" is generic...what exactly are these?

eucildean\_distance?

I don't think you need the "Associations" columns.

I guess there is only one use case. Give it a name: Form Classification?

(i) add a point --> represent input data

(ii) should be expressive--you are not just calculating weights. Are you not computing f(x) for various points? Which ones?

What do you mean by:

(i) add a point --> represent input data

>>> I suggest that "represent input data" expresses the step's function better

(ii) should be expressive--you are not just calculating weights. Are you not computing f(x) for various points? Which ones?

The weights function returns all the points mapped onto the plane. Not sure what exactly to name this function.

>>> maybe "the MADG function" or something.