

Todo list

add label	1
other classification tasks?	1
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add label when this section is done	1
general knowledge or citation?	1
the algorithm validation section	1
should this be introduced in the background?	1
ROC curves, confidence intervals on error, confusion matrix if necessary	1
the algorithm comparison section	1

My Awesome Title

by

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A dissertation submitted in partial fulfillment of
the requirements for the degree of

Doctor of Philosophy

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The dissertation is approved by the following members of the Final Oral Committee:

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ACKNOWLEDGMENTS

It is customary for authors of academic books to include in their prefaces statements such as this: "I am indebted to ... for their invaluable help; however, any errors which remain are my sole responsibility." Occasionally an author will go further. Rather than say that if there are any mistakes then he is responsible for them, he will say that there will inevitably be some mistakes and he is responsible for them....

Although the shouldering of all responsibility is usually a social ritual, the admission that errors exist is not — it is often a sincere avowal of belief. But this appears to present a living and everyday example of a situation which philosophers have commonly dismissed as absurd; that it is sometimes rational to hold logically incompatible beliefs.

— DAVID C. MAKINSON (1965)

Above is the famous "preface paradox," which illustrates how to use the `wbepi` environment for epigraphs at the beginning of chapters. You probably also want to thank the Academy.

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ABSTRACT

FIXME: basically a placeholder; do not believe

I did some research, read a bunch of papers, published a couple myself, (pick one):

1. ran some experiments and made some graphs,
2. proved some theorems

and now I have a job. I've assembled this document in the last couple of months so you will let me leave. Thanks!

1 METHODOLOGY

This is the main methodology intro.

1.1 Experiment Design

blah

1.2 Validation

As previously mentioned in the demonstration section, the validation was carried out as a comparison of accuracies of the predicted classes (reactor type,) and values (enrichment amount) to the classes and values in the predetermined test data set (discussed in).

However, because it is difficult to ensure consistently representative testing data, the accuracy of a learned model should not depend on only one testing set . The learned model's accuracy can be better evaluated as discussed in by using cross validation . Other additional evaluation methods will be discussed here as well. _____

In addition to evaluating a single learned model, it may be beneficial to compare models. As discussed in , there are three methods that will be used: comparison of Receiving Operator Characteristic (ROC) curves, scatter plots, and pairwise t -tests.

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