Study of Classification Uncertainty in Web Service Classification

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Summary

- Need to automate task of web service classification by using machine learning models
- Will help in improve discoverability of API’s thus improving reusability of code
- Approach is to use machine learning models which take into account the uncertainty of the prediction
- High accuracy achieved in different domains might transfer over
Goals of Milestones 1

● Literature Survey of papers related to this topic

● Basic implementations of existing models should be set up
Progress

- Literature survey has been completed, though some changes need to be made
- Ideas of different papers have to be tied together to fit a common theme
- Implementations of basic models have been set up
Next step

- Try these models with the web services classification dataset
- Need to use word vector embeddings such as word2Vec GloVe etc
- Need to modify the model to work with this dataset
- Document results of the same