Data Mining

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**Project Proposal**

1. Who is in our group?

Jadon Wagstaff

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2. What is the data and where did it come from?

We are working with spatial data which consists of a number of polygons. Each polygon is associated with the range of an animal species and data such as Red List assessment is also attached. The data came from the [IUCN spatial data downloads](http://www.iucnredlist.org/technical-documents/spatial-data).

3. What structure do you want to mine from the data?

Clusters.

4. Why is this problem interesting?

Areas with endangered species problems may be identified.

Levels of biodiversity may be visualized.

Communities of organisms or symbiotic relationships may be identified.

5. What is new?

We will assess several clustering techniques on spatial data involving polygons. We hope to find some unexpected or non-obvious result regarding the distribution of one or more endangered species.