**CS539 Machine Learning. Fall 2014. Project 2: Decision Trees. Student’s Name: <write your name here>**

**Dataset Description and initial data preprocessing if any (at most ½ page):**

**Three Guiding Questions (at most ½ page):**

1. **…**
2. **…**
3. **…**

**Weka Code and Results (at most 1 page)**

**Description of Weka Code (at most 1/2 page):**

|  |  |  |  |  |  |  |  |  |  |  |  |
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| **Weka Experiments.** *Weka code description and this table should take at most 1 page.* | | | | | | | | | | | |
| **Tech.** | **Guiding**  **questions** | **Train/**  **Test** | **Pre-process** | **Parameters** | **Post-process** | **Confusion matrix**  **& Accuracy** | **Time to build model** | **Size of model** | **Interesting patterns in the model** | **Analysis & observations about experiment** | **You can add other columns** |
| ZeroR?  OneR?  J4.8?  …? | 1? 2? 3? | 10-fold cross-val? |  |  |  |  |  |  |  |  |  |
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**R Code and Results (at most 2 page)**

**Description of R Code, Functions, and Packages (at most 3/4 page):**

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| **R Experiments.** *R code description and this table should take at most 2 pages.* | | | | | | | | | | | |
| **Tech.** | **Guiding**  **questions** | **Train/**  **Test** | **Pre-process** | **Parameters** | **Post-process** | **Confusion matrix**  **& Accuracy** | **Time to build model** | **Size of model** | **Interesting patterns in the model** | **Analysis &**  **observations about experiment** | **You can add other columns** |
| ZeroR?  OneR?  J4.8?  …? | 1? 2? 3? | 10-fold cross-val? |  |  |  |  |  |  |  |  |  |
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**Summary of Results and Visualizations. (at most 1 page)**

**Advanced Topic: (at most 1 page) <include name of the topic here>**

**List of sources/books/papers used for this topic (include URLs if available):**

* …
* …
* …

...

**Summary of what you learned:**

**How does this topic relate to trees and the material covered in this course?**