**CS548 Knowledge Discovery and Data Mining. Spring 2014. Project 3: Assoc. Rules. Student’s Name: *write your name here***

**[2 points] NSF Dataset Description, and initial data preprocessing if any (at most ½ page):**

**[3 points] Three Guiding Questions for the NSF Dataset (at most ½ page):**

1. **…**
2. **…**
3. **…**

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| **[4 points] Summary of Association Rule Mining Experiments with the Congessional Voting Records dataset .** *At most 1/2 page.* | | | | | | | | | |
| **Tech.** | **Tool** | **Pre-process** | **Parameters** | **Post-process** | **# of levels** | **# of rules** | **Interesting**  **rules** | **Salient observations about experiment** | **You can add other columns** |
| AR?  CAR? | Weka?  RapidM? |  |  |  |  |  |  |  |  |
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| **[12 points] Summary of Association Rule Mining Experiments with the NSF Research Award Abstracts 1990-2003 dataset .** *At most 3/2 pages.* | | | | | | | | | | |
| **Tech.** | **Tool** | **Guiding**  **questions** | **Pre-process** | **Parameters** | **Post-process** | **# of levels** | **# of rules** | **Interesting**  **rules** | **Salient observations about experiment** | **You can add other columns** |
| AR?  CAR? | Weka?  RapidM? | 1? 2? 3? |  |  |  |  |  |  |  |  |
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<Continuation of the experimental results table for theNSF dataset>

**[7 points] Analysis of Results: include Analysis of the results with the Voting dataset (1/4 page), and Analysis of the Results with the NSF dataset (3/4 page).** 1. Analyze the effect of varying parameters/experimental settings on the results. 2. Analyze the results from the point of view of the Domain, and discuss the answers that the experiments provided to your guiding questions. 3. Include and explain (some of) the best / most interesting rules you obtained in your experiments.

**[7 points] Advanced Topic: <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 association analysis / association mining and the material covered in this course?**