Answer Sheet for Assignment: Association Rules

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *Fill in the worksheet below with the answers to the questions on page 2 of the assignment:*

|  |  |
| --- | --- |
| Question | Answer |
| 1 | **Confidence. (10 pts)** |
| 2 | **3.372304 (5 pts)****{ whole milk, yogurt} => { curd} (5 pts)** |
| 3 | **Not supported. (5 pts)****Lift is 0.88768 (5 pts), which is less than 1 (5 pts).**

|  |  |  |  |
| --- | --- | --- | --- |
| rules | support | confidence | lift |
| { citrus fruit} => { soda} | 0.012811 | 0.154791 | 0.88768 |
| { soda} => { citrus fruit} | 0.012811 | 0.073469 | 0.88768 |

 |
| 4 | **curd and whole milk (5 pts)Lift is 2.761, which is greater than 1 (5 pts).** |
| 5a | **Support: 0.6 (5 pts)****Confidence: 0.75 (5 pts)****Lift: 1.25 (5 pts)** |
| 5b | **Support: 0.2 (5 pts)****Confidence: 0.33 (5 pts)****Lift: 0.83 (5 pts)** |
| 5c | **Support: 0.2 (5 pts)****Confidence: 0.33 (5 pts)****Lift: 0.56 (5 pts)** |
| 6 | **No. (5 pts)****Lift=0.928 (10 pts)** **(steps: Support(Q)=0.399, Support(G)=0.536, Support(Q, G)= 0.194** |
| Other files | **10 pts** |