Andrew Hautau

Intro To Data Science

Class 6 Assignment

1. Lab 7

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| **Trial Candidates** | **Diagnosis**  **Description** | **Probability** | **Rule** | **Support** |
| C1DBE87D-3105-4BDE-B7B1-4E589287BF63 | Acute bronchitis | 0.857142857 | Common cold ,Benign essential hypertension | 836 |
| 233D8BC8-31E1-4CC2-ADAA-5632D825BBAA | Acute bronchitis | 0.846153846 | Adjustment disorder with depressed mood ,Other malaise and fatigue | 836 |
| 67004A8A-08FF-4E0C-B6B9-6F64200C06CE | Acute bronchitis | 0.8 | Common cold ,Pain in joint involving lower leg | 836 |
| DBD0891D-CEA9-4177-8515-02D8EE60C7E8 | Acute bronchitis | 0.8 | Common cold ,Pain in joint involving lower leg | 836 |

1. 1. {2}
   2. {2}
   3. πColumn1,Column3 (σColumn2=Column3(R))
   4. πColumn3,Column1 (σColumn3=Column2(R))
   5. SQL is a language that is an implementation of relational algebra that can be executed. Relational algebra itself provides a theoretical framework to understand SQL.
   6. SELECT c1, c2 FROM (SELECT c1, c2, c3, c5 FROM “R” WHERE c1 = c5 AND c5 = test);
   7. σϕ1(σϕ2(πc1, c2(R))))