

$$R_1: \{A, B\} \rightarrow C \quad \text{CONFIDENCE} = \frac{SC\{A, B, C\}}{SC\{A, B\}} = 2/4$$

$$R_2: \{A, C\} \rightarrow B \quad \text{CONFIDENCE} = \frac{SC\{A, B, C\}}{SC\{A, C\}} = \boxed{2/3}$$

$$R_3: \{B, C\} \rightarrow A \quad \text{CONFIDENCE} = \frac{SC\{A, B, C\}}{SC\{B, C\}} = \boxed{2/2}$$

$$R_4: \{A\} \rightarrow \{B, C\} \quad \text{CONFIDENCE} = \frac{SC\{A, B, C\}}{SC\{A\}} = 2/6$$

$$R_5: \{B\} \rightarrow \{A, C\} \quad \text{CONFIDENCE} = \frac{SC\{A, B, C\}}{SC\{B\}} = \boxed{2/4}$$

$$R_6: \{C\} \rightarrow \{A, B\} \quad \text{CONFIDENCE} = \frac{SC\{A, B, C\}}{SC\{C\}} = 2/5$$

IF WE ASSUME A CONFIDENCE OF 60%

$R_2, R_3, R_5$  - SELECTED

$R_1, R_4, R_6$  - REJECTED

ASSOCIATION RULES (WAS NOT PART OF THE TASK)