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9.3. Associative Classification: CBA and CMAR

In-Lecture Question

Question

Suppose we have learned two ranked rules as follows (default is Type 2):

- ❑ {"ipad", "iphone"} → Type 1
- ❑ {"kindle", "iphone"} → Type 2

For the people who have {"ipad", "kindle", "iphone"}, which type will they be classified as by the CBA algorithm?

- ❑ Type 1
- ❑ Type 2

- ❑ **Answer:** Type 1
- ❑ **Explanation:** The first rule {"ipad", "iphone"} → Type 1 fits the test case, so it should be classified as Type 1.

Question

Suppose we have learned two ranked rules as follows (default is Type 2):

- ❑ {"ipad", "iphone"} → Type 1
- ❑ {"kindle", "iphone"} → Type 2

For the people who have {"ipad", "kindle", "iphone"}, which type will they be classified as by the CBA algorithm?

- ☐ Type 1
- ☐ Type 2
- ❑ **Answer:** Type 1
- ❑ **Explanation:** The first rule {"ipad", "iphone"} → Type 1 fits the test case, so it should be classified as Type 1.