

Candidate Elimination Technique

Training Data (Hypothesis Table)

	Citation	Size	In Library	Prize	Edition	Buy
1	Same	Small	No	Affordable	Many	No
2	Many	Big	No	Expensive	One	Yes
3	Same	Big	Always	Expensive	Few	No
4	Many	Medium	No	Expensive	Many	Yes
5	Many	Small	No	Affordable	Many	Yes

ANSWER:

Specific (S): Most specific hypothesis

General (G): Most general hypothesis

S0: { \emptyset , \emptyset , \emptyset , \emptyset , \emptyset }

S1: { \emptyset , \emptyset , \emptyset , \emptyset , \emptyset }

S2: {Many, Big, No, Expensive, one}

S3: {Many, ?, No, Expensive, ?}

S4: {Many, ?, No, Expensive, ?}

S5: {Many, ?, No, ?, ?}

G5: {<Many, ?, ?, ?, ?>}

G4: {<Many, ?, ?, ?, ?>}

G3: {<Many, ?, ?, ?, ?>, <?, ?, ?, ?, one>}

G2: {<Many, ?, ?, ?, ?>, <?, Big, ?, ?, ?>, <?, ?, ?, expensive, ?>, <?, ?, ?, ?, one>}

G1: { <Many, ?, ?, ?, ?>, <?, Medium, ?, ?, ?>, <?, Big, ?, ?, ?>, <?, ?, always ?, ?>, <?, ?, ?, expensive, ?>, <?, ?, ?, ?, one>, <?, ?, ?, ?, few>}

G0: { ?, ?, ?, ?, ? }

VERSION SPACE: {Many, ?, No, ?, ?}, {<Many, ?, ?, ?, ?>}

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