Candidate Elimination Algorithm

steps:

Dirit. specific hypo.(5)

Some to most specific hypo. In M
Grant to most general hypo. In M
: Sc { a, p, a ---}

9={1,7,7,---}

i) for avery enouple in the dataset wands

if the governorse the specific myto. (S)

else if -Ve I specialise the general hypo. (G)

Enoughc

| Example | Sky | AirTemp | Humidity | Wind | Water | Forecast | EnjoySport | |
|---------|-------|---------|----------|--------|-------|----------|------------|--------|
| 1 | Sunny | Warm | Normal | Strong | Warm | Same | Yes | = XVe |
| 2 | Sunny | Warm | High | Strong | Warm | Same | Yes | e- xve |
| 3 | Rainy | Cold | High | Strong | Warm | Change | No | e ve |
| 4 | Sunny | Warm | High | Strong | Cool | Change | Yes | - xvc |

-· S- <b , 1, 1, 1, 1, 0> G- <9, 9, 9, 9, 9>

S = (Sunn Warn Wornd . Strong, Warn, Sane) G2(1,17,1,7,1)

| | S_= (Sunny, Warm, word, Strong, Warn, Sane) 62(1,17,1,7,1) |
|---|--|
| | 2.) S= < Sung, Warm, 7 strong, Warm, Same > Gar (), (), (), () |
| | 3.) |
| T | 3.) Sz Lhny, van,? , shong, wan, some > "Compare S with -ve enample" of Tythere's a misratch "Compare S with -ve enample" of Tythere's a misratch pake a soperate |
| / | "Compare S with -ve enample" & Tythere's a mystarch |
| | 9={ Sing, 1,?,?,?,?,? >9 (on tre) to typo for |
| | <1, van, 7, 7, 7, 7), |
| | <1,7,7,7, same> 3 |
| | 4.) Sy = < Suny, worm, 7, strong, 7,7> |
| | and the state of t |
| | "Now sheet if of another without enoughles" life |
| | "Now sheet if G another without enoughlas" i.f. Gra= { Sunny, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, |
| | "All typo. 6/20 Syaqqy are in Version Space" |
| | Si (Sma vonn.) strang 7,75 midentical |

Si (Suny, van, ?), stars, ?, ?, ?)

(S (Suny, van, ?), ?, ?)

L'hample 2

| article | Crime | A cademic | Local | Music | Reads |
|---------|-------|-----------|-------|-------|-------|
| a_1 | true | false | false | true | true |
| a_2 | true | false | false | false | true |
| a_3 | false | true | false | false | false |
| a_4 | false | false | true | false | false |
| a_5 | true | true | false | false | true |

S- (d, d, d, d)

9-47,77,7

(1) $S_{1}^{2} \langle T, F, F, T \rangle \qquad G_{1} = \{7, 1, 1, 1, 2\}$ (2) $S_{1} = \langle T, P, F, 7 \rangle \qquad G_{2} = \langle 2, 2, 2, 2, 2 \rangle$

3 Sz= (I, F, F,?) Gz-{(T, 7,7,7), <1, F,?,?)

5 542 (T, F, F, ?) 94={ < T, 7, 7, 7, 7 > 3 Removed in (7)??

(S) $S_{5} = \langle T, 1, f, 1, 2 \rangle$ $S_{5} = \langle T, 1, 1, 1, 2, 2 \rangle$ $S_{6} = \langle Crime \land \sim Local \rangle$ $S_{6} = \langle Crime \rangle$