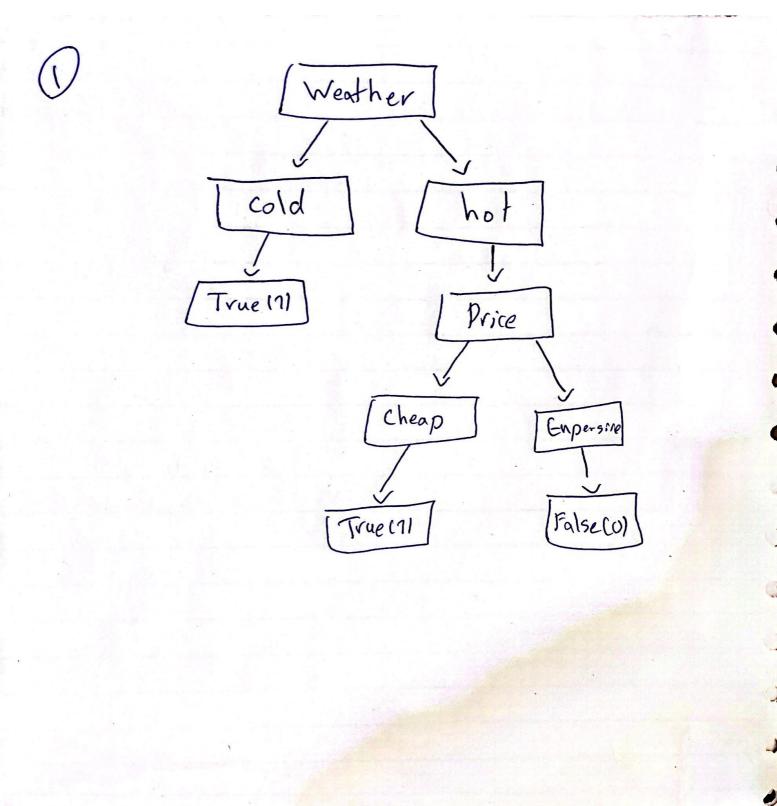
Entropy(s) = - (Pollog Po - Polog Po + means 1 in target 1000 - means 0 in target D 4+ 5: [4+,2-] $E = -\frac{4}{6} \times \log_2 \frac{4}{6} - \frac{2}{6} \times \log_2 \frac{2}{6} = -\frac{4}{6} \times (-0.586) - \frac{3}{8} \times \frac{1}{6} \times (-0.586) - \frac{3}{8} \times \frac{1}{6} \times (-0.586) = \frac{1}{6} \times (-0.586$ (<u>(-1.585)</u> <u>500.389+0.528-0.917</u> Target E(T,X), Epin E(n) Weather cold 3 0 E(3,0) = 0, E(1,2) = - 1 log 1 3 log 3 5- 3x04L1.685)- 3x (586) x 0.528+0.389=0.917 => E(target, weather) & P(cold) E(3,0) + P(hot) E(1,2) $=\frac{3}{4}\times0+\frac{3}{4}\times0.917=0.4585$ Targe + E (2,0) =0 price cheap of 0 E(2,2) s-3/log3 - 2/log3 - 1 emp. 22 Eltorget, price) & P(cheap) E(2,0) + P(enp) E(2,2) - 000 0 + 7 = 4 = 3 -0.667

torget weight light 2 - 0889ex00 808000000 heavy 2 1 E(2,1) = - = log 3 - 1 log 3 = 0.917 Estaget weight Plagte GOD & Congresso. \$ 000124 Q00000.0.007 Ectarget, meight) = PClight) E(2,1) + P(heary) E(2,1), 0 (1 x 0.9107 + 1 x 0.917 = 0.917 0 ((Information gam: H(target)-E(target,) weather => 0.917 - 0.4585 - 0.4585 price => 0.917-0.667 - 0.25 weight 0-917-0.917 - 0



ریامان وصدی بیا grrraa ML Learning vs MAD Learning; ر ML وقعی مساعدات ما زیادی سود، اهست (۱۹) فیمنده و تقریباً می موانیم آن را ازس سرم و فقط ر (با P(d/h,) الم ما معموات (در MAP ما باک) ا را ه mominize فرانم).

Scanned with CamScanner

