

P(Yes | New)=P(Cow | Yes)\*P(Medium | Yes)\*P(Black | Yes)\*P(Y) =3/8 \* 2/8 \*3/8 \*8/14=0.02

P(No | new)=2/6\*2/6\*1/6\*6/14=0.007

Stop 4=>

We need to normalize because probabilities sum should be 1

P(Yes | New)=0.02/0.02+0.007=0.74

P(No | New)=0.007/0.007+0.02=0.26

P(Yes | New)>P(No | New) so result will be yse for the new data