**In class exercises Ch.6**

1. Naïve Bayes classification example. Consider new instance

 **<Outlook=sun, Temp=cool, Humid=high, Wind=strong>**

Use NB to classify it: ‘yes’ or ‘no’.

How many classes are there? \_\_\_\_\_\_\_\_\_\_\_\_

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|  |  |
| --- | --- |
| P(yes) =  | P(no) =  |
| P(a1=sun|yes)= P(a2=cool|yes)= P(a3=high|yes)=P(a4= strong|yes)= | P(a1=sun|no)=P(a2=cool|no)=P(a3=high|no)=P(a4=strong|no)= |