

Assignment-3:

The table shows labeled data on rain status and related weather features. Humidity, cloud cover, and sky conditions are binary, while wind strength is a three-level category. Using a Naive Bayes classifier, predict the likelihood of rain given high humidity, cloudy skies, medium wind, and a bright sky.

Humidity	Cloud Cover	Wind Strength	Sky Condition	Rain
High	Cloudy	Low	Bright	Yes
Normal	Cloudy	Medium	Dark	Yes
High	Few Clouds	Low	Bright	No
Normal	Few Clouds	Low	Bright	No
Normal	Cloudy	Medium	Bright	No
High	Cloudy	Medium	Dark	Yes
High	Few Clouds	High	Dark	Yes
Normal	Cloudy	Low	Dark	No
Normal	Few Clouds	Medium	Bright	No
Normal	Cloudy	High	Bright	Yes
Normal	Few Clouds	Low	Dark	Yes
Normal	Few Clouds	High	Bright	No

Submit as a **PDF file** to the TA's email (2207613848@qq.com).

Name the file as **StudentID-Name-3.pdf**

Deadline is November 14th.