

118CS0597

5th August 2021

First the f-test result was calculated with the given formula.

Output:

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Outlook = Sunny
    Humidity = High
        Prediction: No

    Humidity = Normal
        Prediction: Yes

Outlook = Overcast
    Prediction: Yes

Outlook = Rain
    Wind = Weak
        Prediction: Yes

    Wind = Strong
        Prediction: No

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Sex = Male
  Class = First
    Age = Adult
      Prediction: No

    Age = Child
      Prediction: Yes

  Class = Second
    Age = Adult
      Prediction: No

    Age = Child
      Prediction: Yes

  Class = Third
    Age = Adult
      Prediction: No

    Age = Child
      Prediction: No

  Class = Crew
    Prediction: No

Sex = Female
  Class = First
    Age = Adult
      Prediction: Yes

    Age = Child
      Prediction: Yes

  Class = Second
    Age = Adult
      Prediction: Yes

    Age = Child
      Prediction: Yes

  Class = Third
    Age = Adult
      Prediction: No

    Age = Child
      Prediction: No

  Class = Crew
    Prediction: Yes
```