1) Prepare a classification model using Naive Bayes

for salary data

Data Description:

age -- age of a person

workclass -- A work class is a grouping of work

education -- Education of an individuals

maritalstatus -- Marital status of an individulas

occupation -- occupation of an individuals

relationship --

race -- Race of an Individual

sex -- Gender of an Individual

capitalgain -- profit received from the sale of an investment

capitalloss -- A decrease in the value of a capital asset

hoursperweek -- number of hours work per week

native -- Native of an individual

Salary -- salary of an individual

**ANS**:-

**Gaussian Naive Bayes**

training data accuracy score is: 0.8031563940187659

testing data accuracy score is: 0.8029216467463479

**Multinominal Naive Bayes**

training accuracy of Multinominal Naive Bayes model: 0.7729186698053778

testing accuracy of Multinominal Naive Bayes model: 0.7749667994687915

**Bernoulli Naive Bayes**

training accuracy of Bernoulli Naive Bayes model: 0.7555120851430656

testing accuracy of Bernoulli Naive Bayes model: 0.7598273572377158