

Logistic Regression:

```

import pandas as pd
df = pd.read_csv('path')
df.head()
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
X_train, X_test, y_train, y_test = train_test_split(
    df[['age']], df.bought_insurance,
    train_size=0.8)
model = LogisticRegression()
model.fit(X_train, y_train)
y_pred = df.predict(X_train)
accuracy_score(y_pred, y_test)

```

KNN:

```

import numpy as np
import pandas as pd
df = pd.read_csv('path')
df.head()
df.groupby('species').size()
X = df[:, :-1].values
y = df[:, -1].values
from sklearn.model_selection import train_test_split
from sklearn.neighbors import KNeighborsClassifier
X_train, X_test, y_train, y_test = train_test_split(
    X, y, test_size=0.2)
classifier = KNeighborsClassifier(n_neighbors=3)
classifier.fit(X_train, y_train)
y_pred = classifier.predict(X_test)
accuracy_score(y_test, y_pred)

```

NA
9/5/24