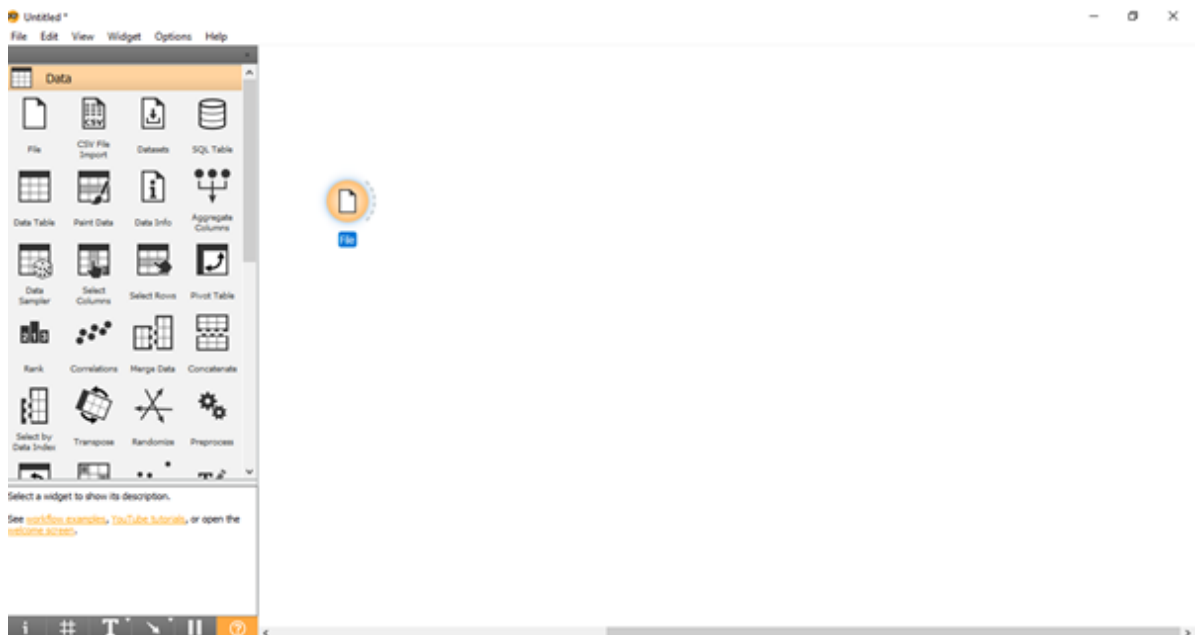


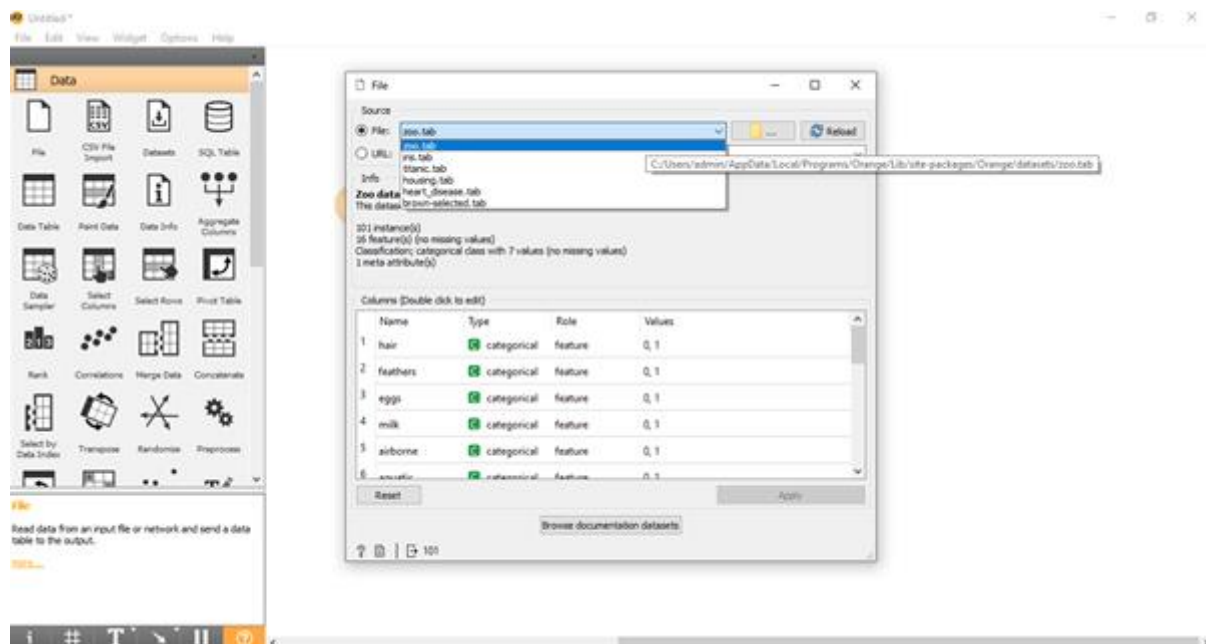
Ruchita Chipkar
Roll No - 34

DWDM Mini Project - Classification using orange tool

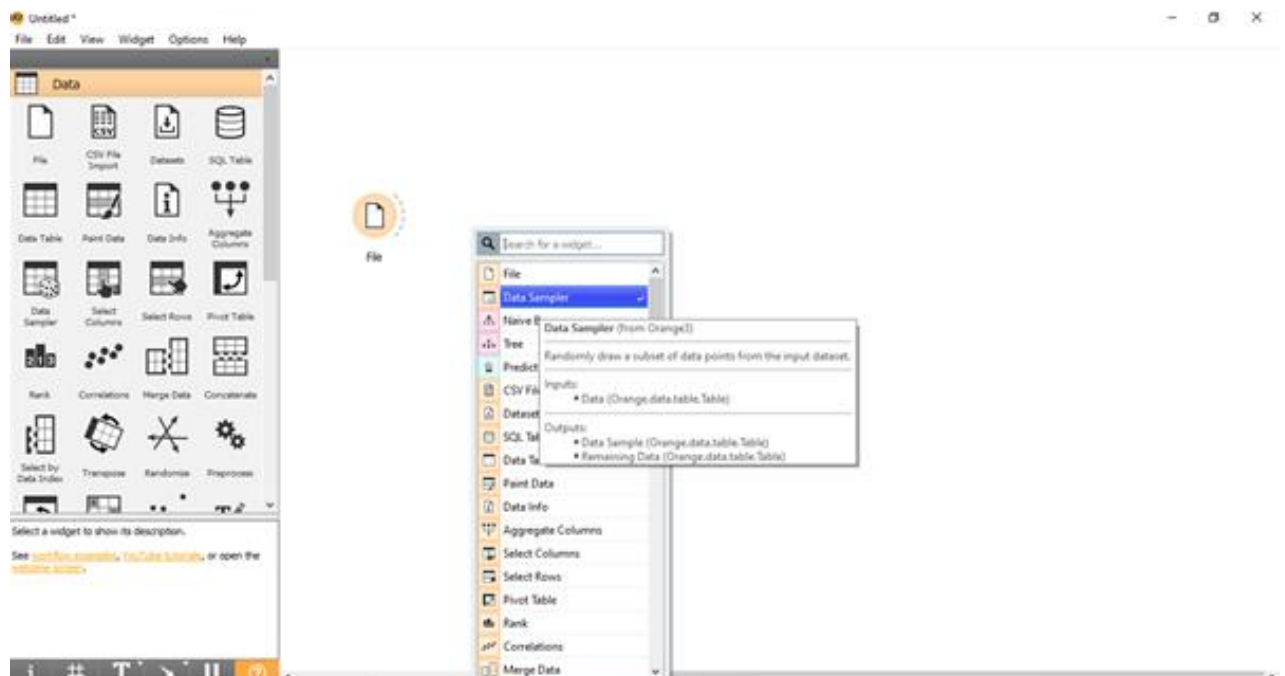
1. Select file and drag & drop on screen.



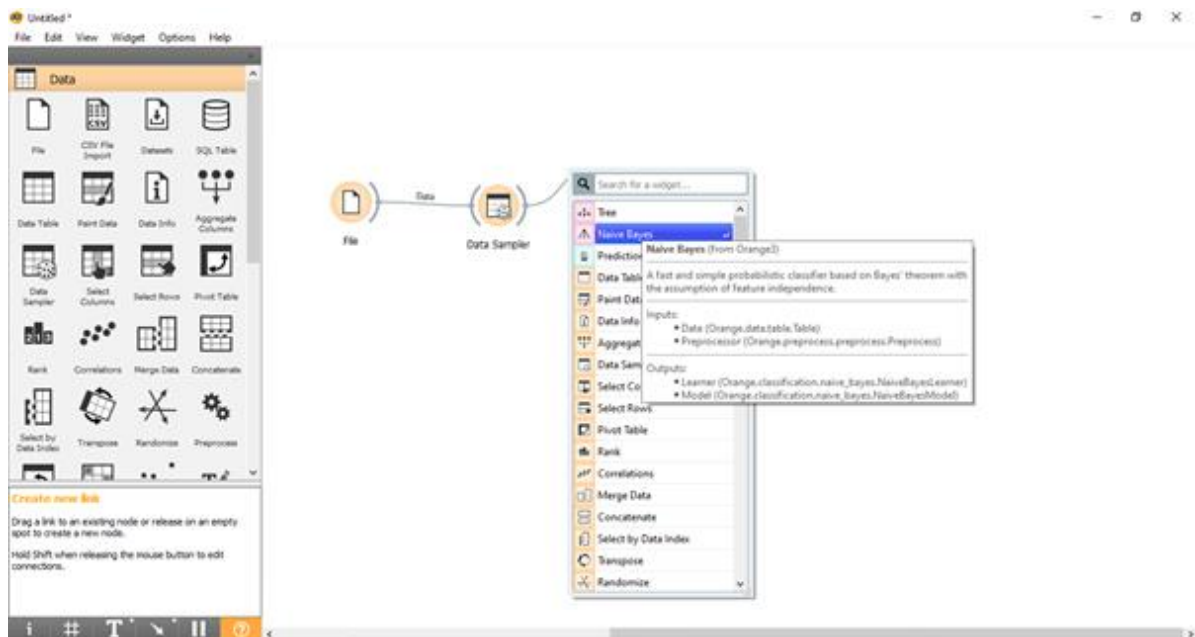
2. Double click on file and select zoo.tab



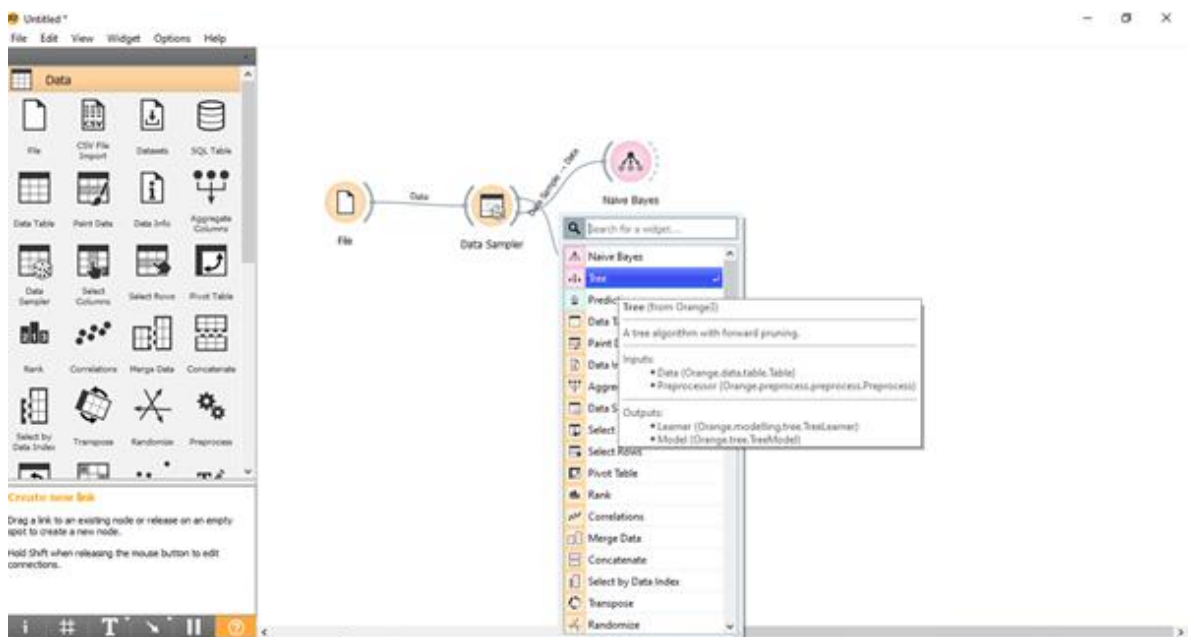
3. Double click on screen and select Data Sampler and connect them both



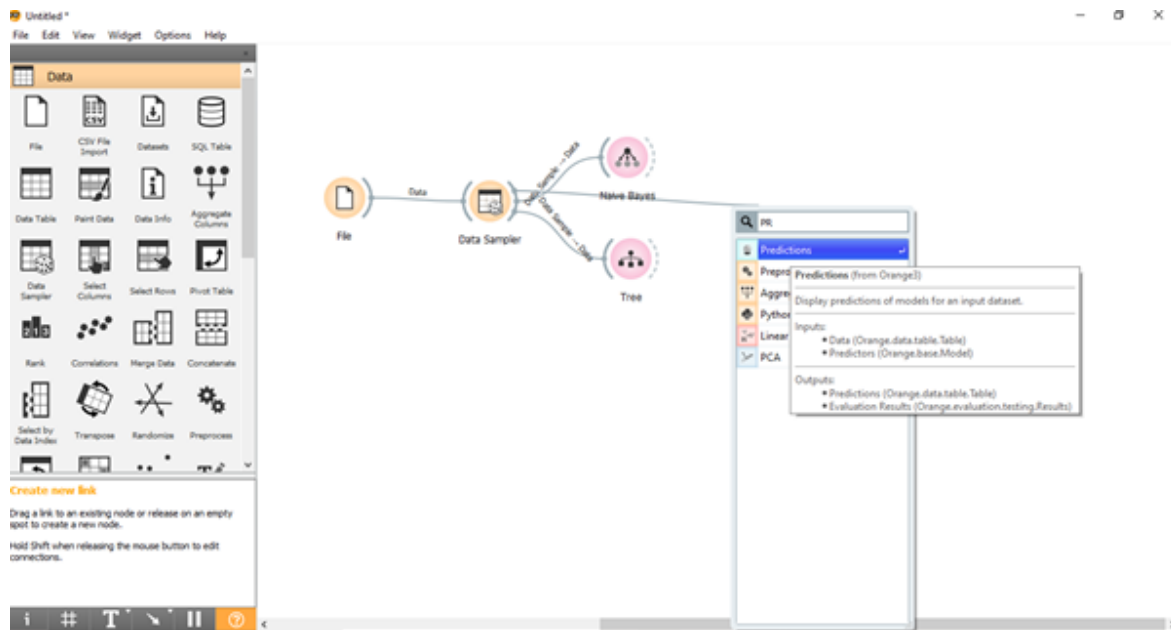
4. Select Navie Bayes and connect it with Data Sampler



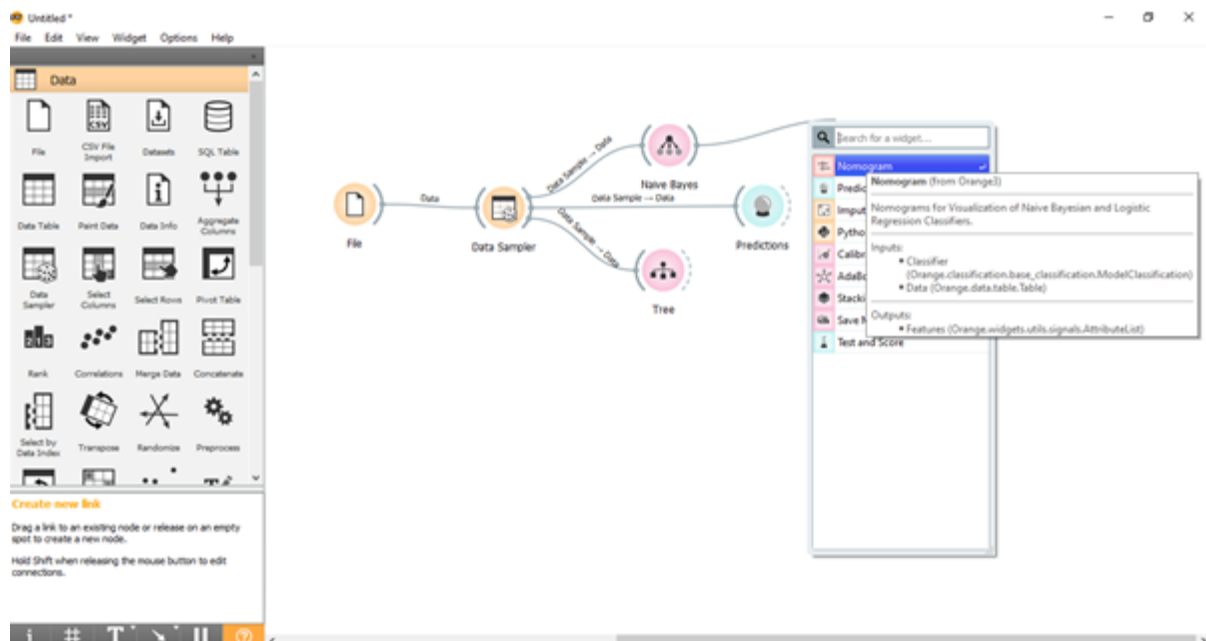
5. Select Tree and connect it with Data Sampler



6. Select Predication and connect it with Data Sampler



7. Select Nomogram and connect it with Navie Bayes and double click on Nomogram



8. Select Navie Bayes and Tree with Predication and double click on Predication

The screenshot shows the Orange3 interface with a workflow for classification. The workflow consists of the following widgets and connections:

- File** widget connected to **Data Sampler**.
- Data Sampler** connected to both **Naive Bayes** and **Tree** classifiers.
- Naive Bayes** and **Tree** classifiers connected to the **Predictions** widget.
- Nomogram** widget connected to the **Naive Bayes** classifier.

The **Predictions** widget is open, showing the following table:

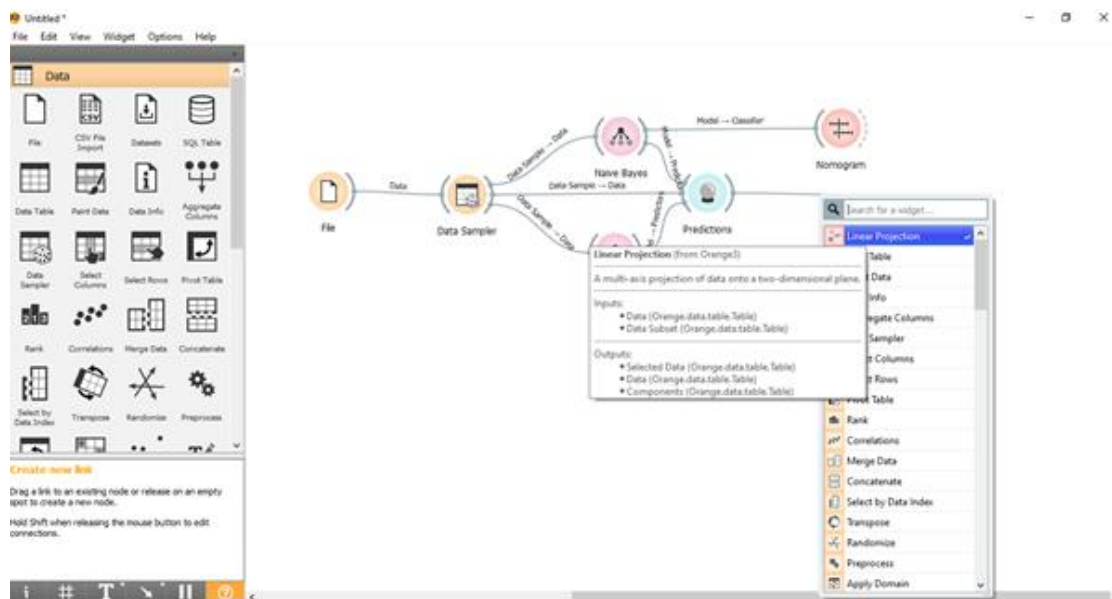
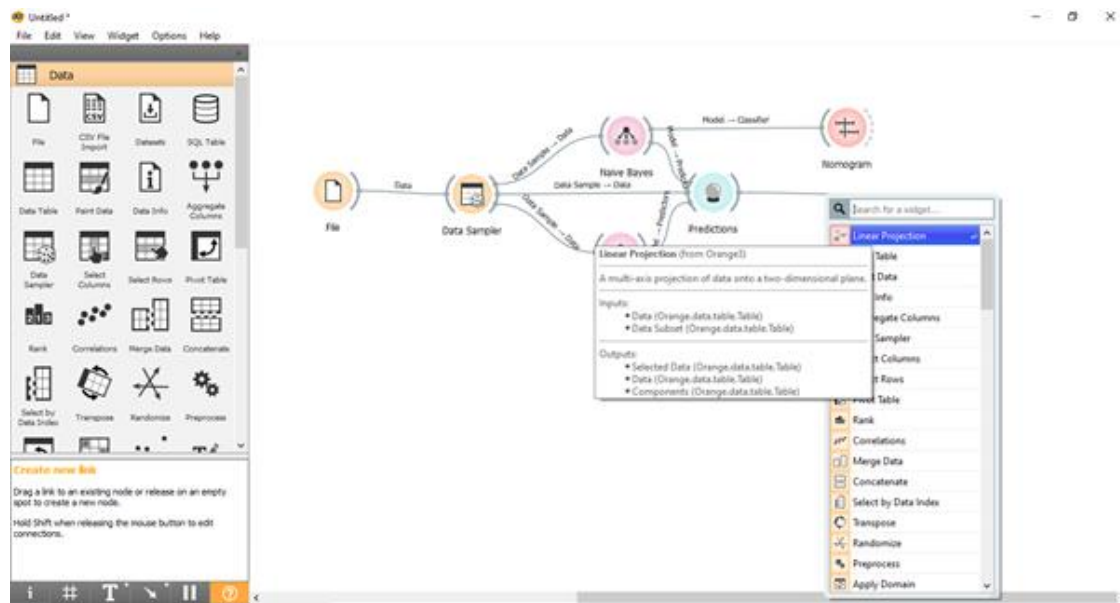
	Naive Bayes				Tree								
1	0.00	0.00	0.00	0.00	0.99	0.01	mammal	0.00	0.00	0.00	0.00	1	mammal
2	0.00	0.00	0.00	0.00	1.00	0.00	mammal	0.00	0.00	0.00	0.00	1	mammal
3	0.08	0.00	0.23	0.00	0.00	0.87	reptile	0.00	0.00	0.00	0.00	1	mammal
4	0.00	0.00	0.00	0.00	1.00	0.00	mammal	0.00	0.00	0.00	0.00	1	mammal
5	0.00	0.00	0.00	0.00	1.00	0.00	mammal	0.00	0.00	0.00	0.00	1	mammal
6	0.00	0.00	0.00	1.00	0.00	0.00	insect	0.00	0.00	0.00	1.00	0	insect
7	0.00	0.00	0.00	0.00	1.00	0.00	mammal	0.00	0.00	0.00	0.00	1	mammal
8	0.00	0.00	0.00	0.00	1.00	0.00	mammal	0.00	0.00	0.00	0.00	1	mammal
9	0.00	0.00	0.00	0.00	1.00	0.00	mammal	0.00	0.00	0.00	0.00	1	mammal
10	0.00	0.00	0.00	0.00	1.00	0.00	mammal	0.00	0.00	0.00	0.00	1	mammal
11	0.00	0.00	0.98	0.00	0.00	0.01	fish	0.00	0.00	1.00	0.00	0	fish
12	0.00	0.00	0.00	1.00	0.00	0.00	insect	0.00	0.00	0.00	1.00	0	insect
13	0.00	0.00	0.00	1.00	0.00	0.00	insect	0.00	0.00	0.00	1.00	0	insect
14	0.00	1.00	0.00	0.00	0.00	0.00	bird	0.00	1.00	0.00	0.00	0	bird

Below the table, a summary table is provided:

Model	AUC	CA	F1	Precision	Recall
Naive Bayes	1.000	0.944	0.948	0.967	0.944
Tree	0.999	0.996	0.996	0.988	0.996

The **Predictions** widget also displays a list of class labels on the left: amphibian, bird, fish, insect, invertebrate, mammal, reptile. A tooltip is visible over the 'reptile' label, showing the list: (plamphibian, bird, fish, insect, invertebrate, mammal, reptile).

9. Select Linear Projection and connect it with Predication



10. Double click on Linear projection

