

# Dùng Weka để huấn luyện Neural Network

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1

## Iris Dataset

<https://archive.ics.uci.edu/ml/datasets/iris>



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2

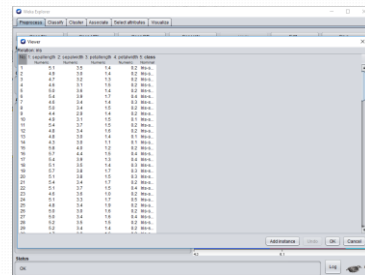
## Iris dataset description

- Data Set Information:**
  - This is perhaps the best known database to be found in the pattern recognition literature. Fisher's paper is a classic in the field and is referenced frequently to this day. (See Duda & Hart, for example.) The data set contains 3 classes of 50 instances each, where each class refers to a type of iris plant. One class is linearly separable from the other 2; the latter are NOT linearly separable from each other.
  - Predicted attribute: class of iris plant.
  - This is an exceedingly simple domain.
  - This data differs from the data presented in Fishers article (identified by Steve Chadwick, [spchadwick@especcol.net](mailto:spchadwick@especcol.net)). The 35th sample should be: 4.9,3.1,1.5,0.2, 'Iris-setosa' where the error is in the fourth feature. The 38th sample: 4.9,3.6,1.4,0.1, 'Iris-setosa' where the errors are in the second and third features.
- Attribute Information:**
  1. sepal length in cm (dài hoa)
  2. sepal width in cm
  3. petal length in cm (cánh hoa)
  4. petal width in cm
  5. class:
    - Iris Setosa
    - Iris Versicolour
    - Iris Virginica

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3

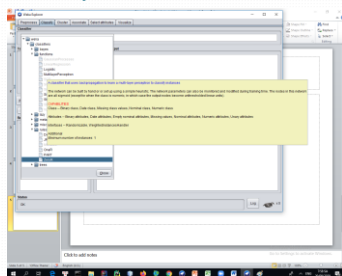
## Chọn file Iris.arff



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4

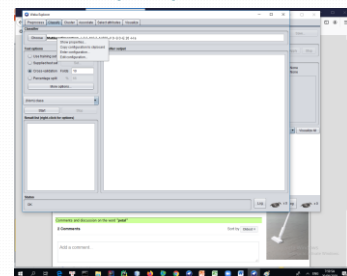
## Select Classify Functions Multi layer Perceptron



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5

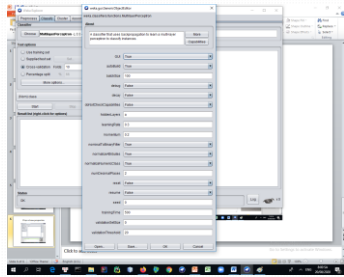
## Chọn show properties



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6

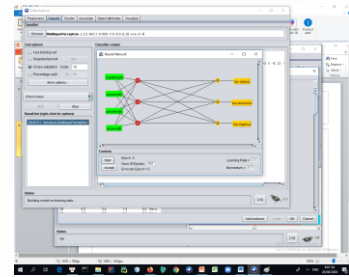
## Chọn GUI True



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7

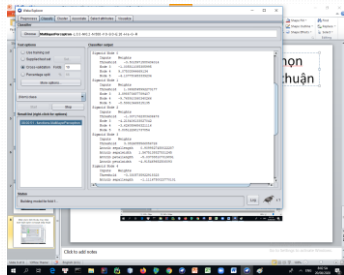
## Nhấn start, hiển thị cấu trúc. Chọn start huấn luyện và Accept chấp thuận



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8

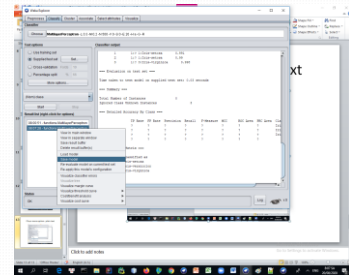
## Hiển thị trọng số của các neuron trong mạng NN



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9

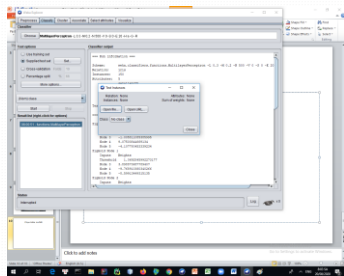
## Lưu NN model thành file trên đĩa



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10

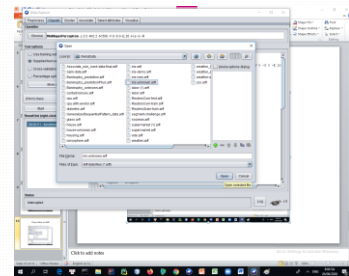
## Chọn kiểm tra NN



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11

## Chọn iris-unknown.arff



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12

## Decription of iris-unknown.arff

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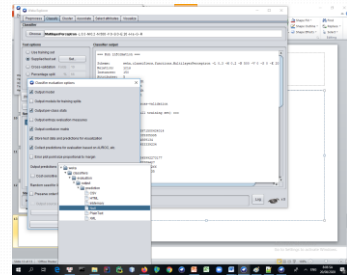
%% Iris dataset description
%%
%% 1. Attribute Information:
%% 1.1. petal length in cm
%% 1.2. petal width in cm
%% 1.3. sepal length in cm
%% 1.4. sepal width in cm
%% 1.5. class
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%% 2.00. class

```

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13

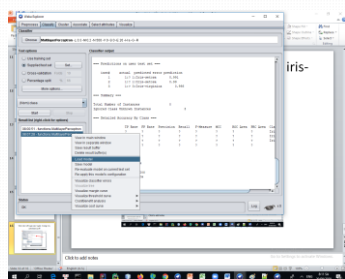
## Chọn more option- plain text



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14

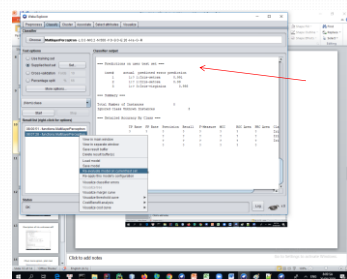
## Load model đã lưu



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15

## Test cho kết quả các tuple trong iris-unknown.arff



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16