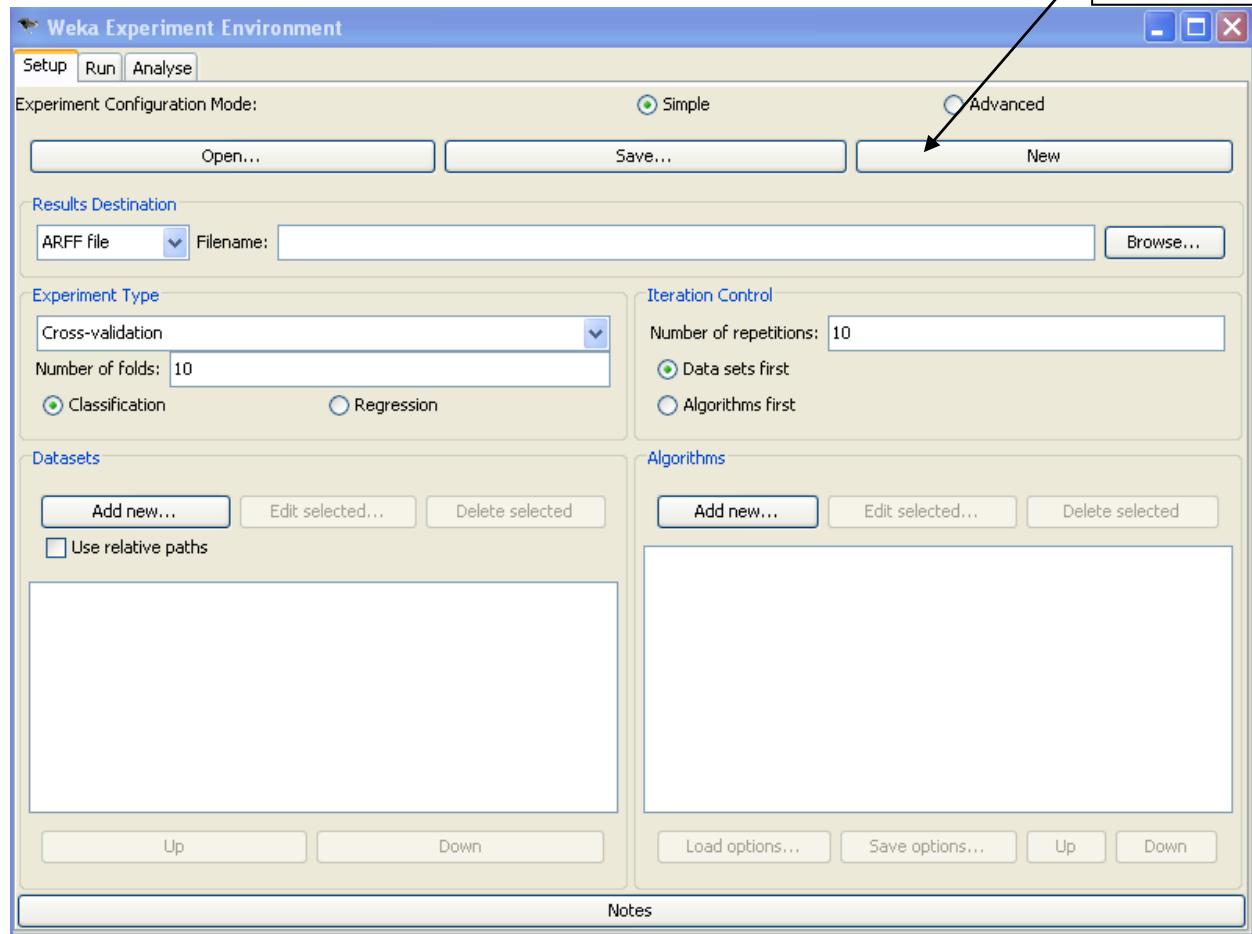


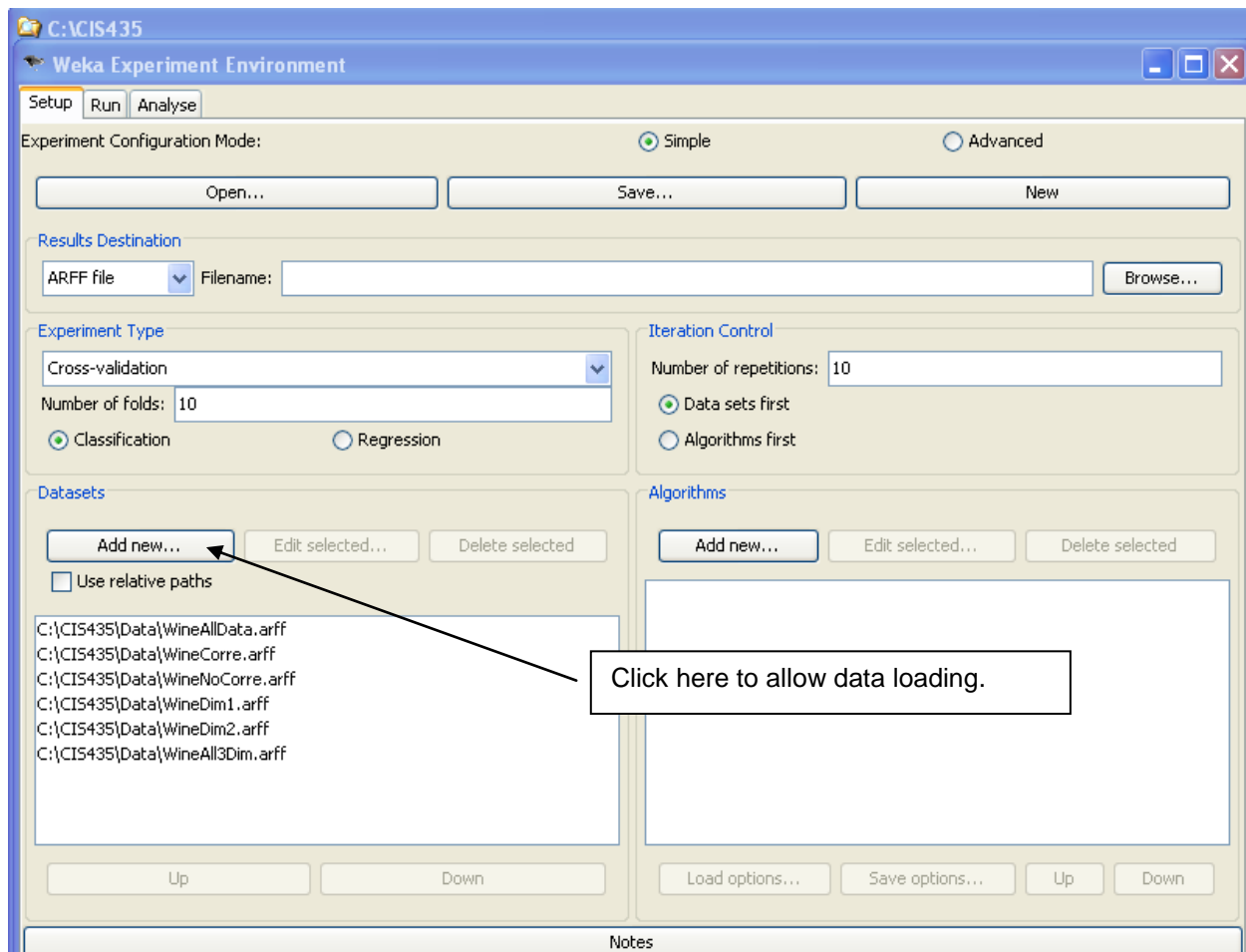
## Experimenter Exercise

Knowledge Flow interface allows the user to stream the data when doing analysis. The interface consists of a toolbar and canvas.

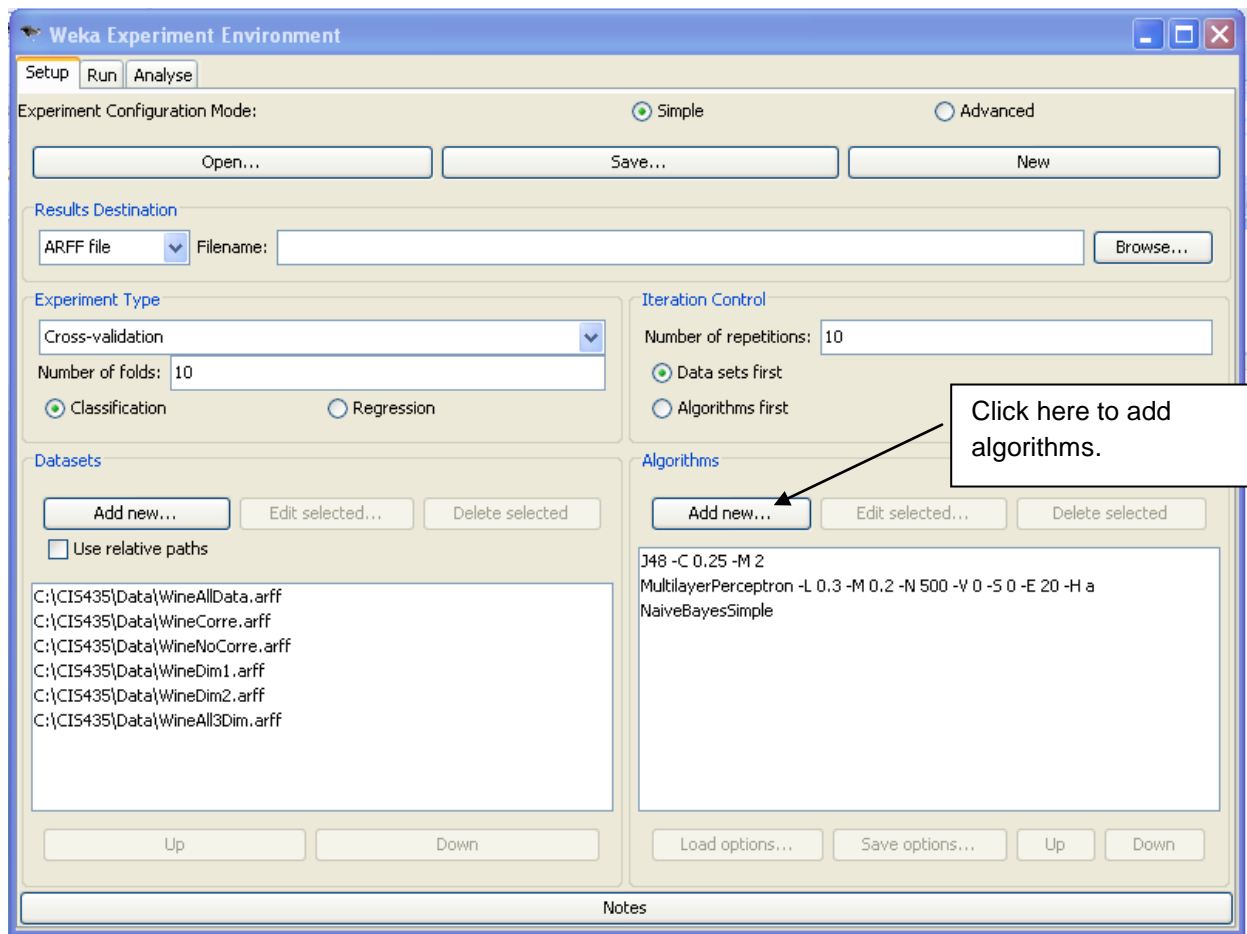
1. Start “Experimenter” and click “New” to start a new experiment.



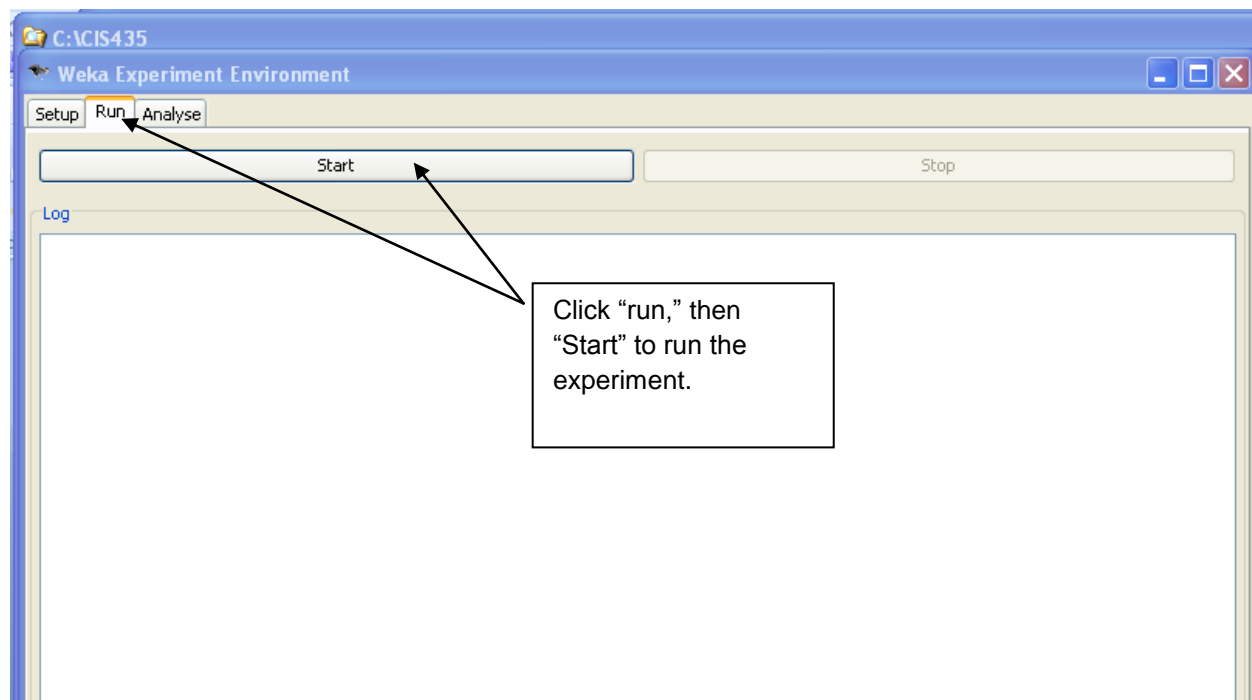
- Click "Add New" to load the data sets.



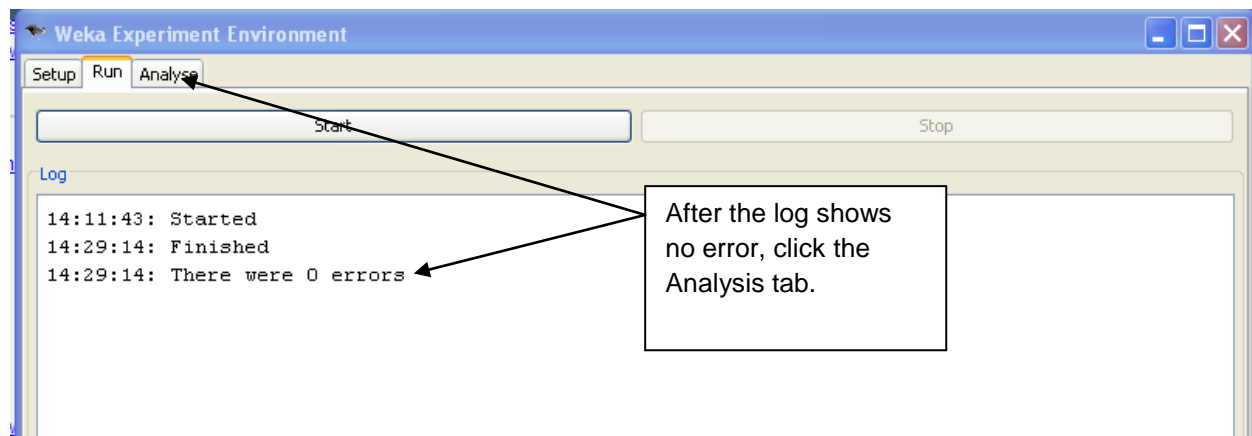
3. Now, click “Add new” to select algorithms.



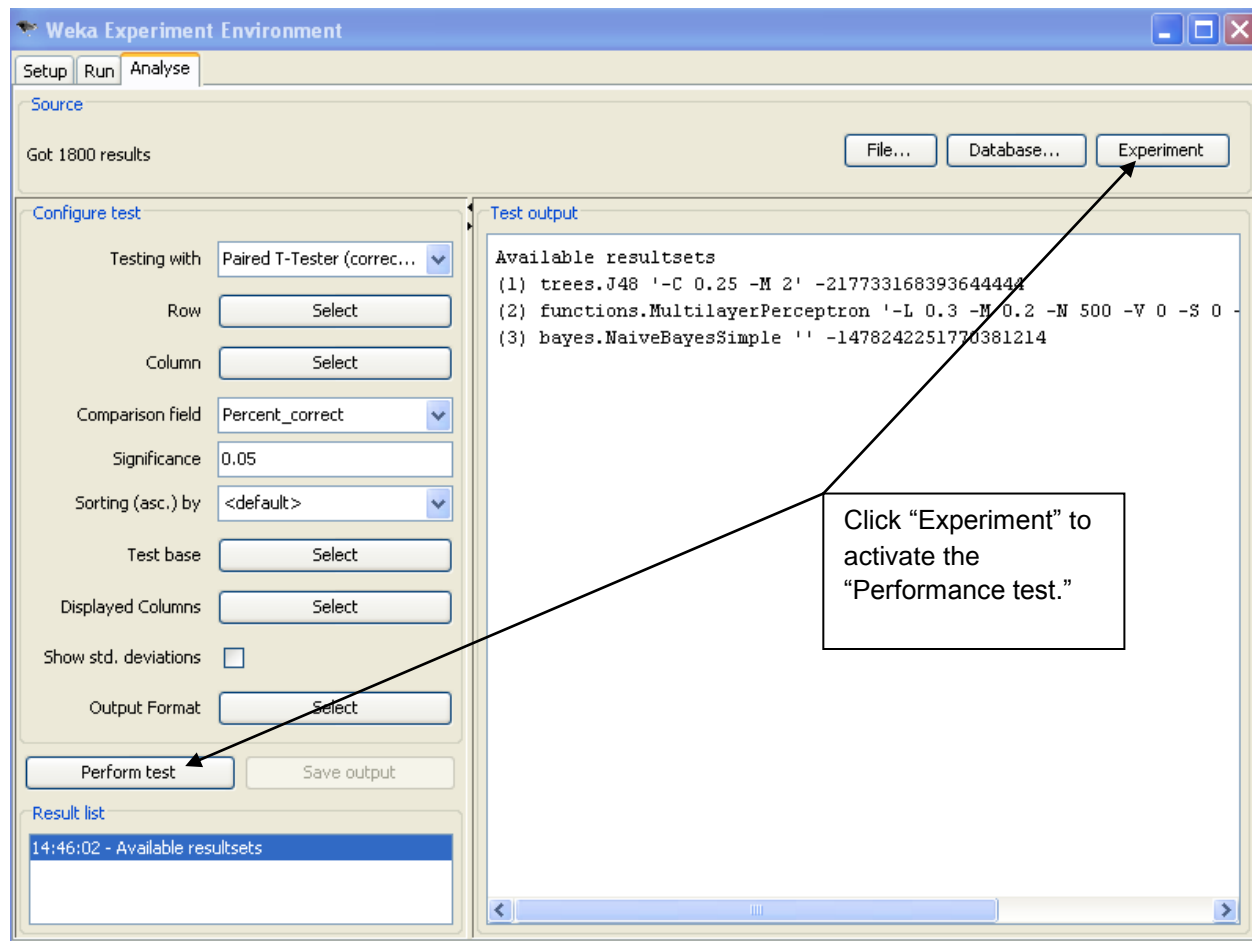
4. To run the experiment, click the “Run” tab. Then, click “Start.”



5. Wait until the log shows the analysis is done.



6. The "Analysis" tab should bring you to the Performance test window.



7. After you click the "Performance Test," you should see the experimental results.

**Weka Experiment Environment**

Setup Run **Analyse**

Source

Got 1800 results

File... Database... Experiment

**Configure test**

Testing with: Paired T-Tester (correc... ▾

Row: Select

Column: Select

Comparison field: Percent\_correct ▾

Significance: 0.05

Sorting (asc.) by: <default> ▾

Test base: Select

Displayed Columns: Select

Show std. deviations: ☐

Output Format: Select

Perform test Save output

**Result list**

14:46:02 - Available resultsets

14:50:01 - Percent\_correct - trees.J48 '-C 0.25 -M 2' -2

**Test output**

Datasets: 6  
Resultsets: 3  
Confidence: 0.05 (two tailed)  
Sorted by: -  
Date: 5/26/10 2:50 PM

| Dataset                        | (1) trees.J4 | (2) funct | (3) bayes |
|--------------------------------|--------------|-----------|-----------|
| 'Wine with all data inclu(100) | 93.20        | 98.02 ▽   | 97.35     |
| 'Wine With Correlated Dat(100) | 88.60        | 93.76 ▽   | 94.31 ▽   |
| Wine-NoCorrelation-Data (100)  | 89.55        | 90.60     | 92.29     |
| 'Wine- Variables for firs(100) | 84.84        | 89.87     | 86.37     |
| 'Wine- Data of Second Dim(100) | 87.25        | 91.12     | 91.83     |
| 'Wine- Data with all thre(100) | 93.14        | 98.99 ▽   | 97.42     |

(▽/ /\*) | (3/3/0) (1/5/0)

**Key:**

(1) trees.J48 '-C 0.25 -M 2' -217733168393644444

(2) functions.MultilayerPerceptron '-L 0.3 -M 0.2 -N 500 -V 0 -S

(3) bayes.NaiveBayesSimple '' -1478242251770381214