

## Practical Natural Language Processing

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### Assignment 1

**Due September 14** (at the beginning of class at 2pm)

Please submit your solutions using NYU Classes.

You trained a classifier to predict the sentiment of movie reviews. Here are the results on a manually annotated test set:

|                     | Ground truth: positive | Ground truth: negative |
|---------------------|------------------------|------------------------|
| Predicted: positive | 35                     | 10                     |
| Predicted: negative | 5                      | 30                     |

1. How many movie reviews are there in this test set?
2. How many Type 1 errors are there?
3. How many Type 2 errors are there?
4. What is the precision of your classifier?
5. What is the recall of your classifier?
6. What is the F1 score of your classifier?

Also suggested this week is to install [Anaconda](#) or otherwise set up a Python development environment.