Lab 2: Logistic regression using scikit-learn

The ***nbaallelo_log.csv*** file contains data on 126314 NBA games from 1947 to 2015. The dataset includes the features ***pts***, ***elo_i***, ***win_equiv***, and ***game_result***. Using the csv file ***nbaallelo_log.csv*** and scikit-learn's ***LogisticRegression()*** function, construct a logistic regression model to classify whether a team will win or lose a game based on the team's ***elo_i*** score.

Step 1: Create a binary feature win for ***game_result*** with 0 for L and 1 for W
Step 2: Use the ***LogisticRegression()*** function to construct a logistic regression model with ***win*** as the target and ***elo_i*** as the predictor
Step 3: Print the weights and intercept of the fitted model
Step 4: Find the proportion of instances correctly classified

Note: Use ***ravel()*** from numpy to flatten the second argument of ***LogisticRegression.fit()*** into a 1-D array.

Ex: If the program uses the file nbaallelo_small.csv, which contains 100 instances, the output is:

```
w1: [[3.64194406e-06]]
w0: [-2.80257471e-09]
0.5
```

Submission: Submit the completed ***lab2.py*** file and ***written.pdf*** where you show your output.