This solution was for a Hackathon for identification of Text from the image and then identifiying the sentiment . Was able to reach a rank of 139 with the solution.

*Accuracy: 35.63% (Top 3 %)*

[Problem\_Statement](https://www.hackerearth.com/challenges/competitive/hackerearth-machine-learning-challenge-predict-the-lowest-price/instructions/)

[Leaderboard](https://www.hackerearth.com/challenges/competitive/hackerearth-machine-learning-challenge-predict-the-lowest-price/leaderboard/predict-the-lowest-price-8-9ffabe00/)

Basically used Deep Learning Fast AI module with different transfer learning modules such as ResNet and DeepNet which allowed me to achieve the said accuracy

Overall Solution process:

Stage 1:

* Use of pytesseract to detect the text within images (not very user api hence had to try various alterations of this api)

Stage 2:

* Use of pre trained sentiment models such as
  1. vaderSentiment
  2. Flair
  3. TextBlob

Fine tuning of stage 1 could significantly improve the overall accuracy and further use of transfer learning to train a sentiment model (say on Sentiment140 data) could improve the overall solution