

# Take Home Problem: Data Scientist

eBay Advertising

Contact: [DL-eBay-AdsCandidateAssignment@ebay.com](mailto:DL-eBay-AdsCandidateAssignment@ebay.com)

There are two parts to the take home problem. In part 1, please get the data set from Kaggle and solve the Kaggle problem. In part 2 after your submission, we will follow up with a phone conference where you can explain in detail how you approach the problem and discuss any other ideas to explore.

## Part 1:

*We expect solutions in the form of a short report + working code. Ideally, you should be able to explore the data a bit, apply a basic model, figure out what types of things you could do to improve model performance given more time. Be specific about the evaluation metric you use and what performance you can get.*

## Kaggle challenge: Don't Get Kicked!

The problem description is available at <https://www.kaggle.com/c/DontGetKicked>

Please download the data sets from the Kaggle competition. You don't need to submit to the test result to the Kaggle site.

Please limit yourself to 2~3 hours to complete this problem set.

The coding language accepted include: Python, Java, C++, C, and Scala. For modeling, you can use any machine learning packages.

Please submit your solution through a github link or email to [DL-eBay-AdsCandidateAssignment@ebay.com](mailto:DL-eBay-AdsCandidateAssignment@ebay.com)

## Part 2:

*Part 2 is done via a phone conference after your submission. You will be asked to discuss how you approached the problem and discuss aspects of machine learning related to this challenge.*

Have Fun!