



# Amazon.com - Employee Access Challenge

Wednesday, May 29, 2013

\$5,000 • 1673 teams

30 hours to go

Wednesday, July 31, 2013

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## Leaderboard

1. Zack's Papa (50)
2. Gxav (32)
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5. Chaotic Experiments (75)
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7. Murashka (122)
8. jarfo (63)
9. Tim (22)
10. Alexander Larko (100)

## Forum (78 topics)

Using sparse matrices with theano  
28 minutes ago

grouping data..  
2 hours ago

Python code to achieve 0.90 AUC with Logistic Regression  
9 hours ago

MGR\_ID  
11 hours ago

to people with score 0.91+  
12 hours ago

comparing predictions  
16 hours ago

## Competition Details » Get the Data » Make a submission

### Data Files

File Name	Available Formats
test	<a href="#">.csv (3.71 mb)</a>
train	<a href="#">.csv (1.94 mb)</a>
sampleSubmission	<a href="#">.csv (449.48 kb)</a>

The data consists of real historical data collected from 2010 & 2011. Employees are manually allowed or denied access to resources over time. You must create an algorithm capable of learning from this historical data to predict approval/denial for an unseen set of employees.

### File Descriptions

**train.csv** - The training set. Each row has the ACTION (ground truth), RESOURCE, and information about the employee's role at the time of approval

**test.csv** - The test set for which predictions should be made. Each row asks whether an employee having the listed characteristics should have access to the listed resource.

### Column Descriptions

Column Name	Description
ACTION	ACTION is 1 if the resource was approved, 0 if the resource was not
RESOURCE	An ID for each resource
MGR_ID	The EMPLOYEE ID of the manager of the current EMPLOYEE ID record; an employee may have only one manager at a time
ROLE_ROLLUP_1	Company role grouping category id 1 (e.g. US Engineering)
ROLE_ROLLUP_2	Company role grouping category id 2 (e.g. US Retail)
ROLE_DEPTNAME	Company role department description (e.g. Retail)

1,673 teams

entries

ROLE_TITLE	Company role business title description (e.g. Senior Engineering Retail Manager)
ROLE_FAMILY_DESC	Company role family extended description (e.g. Retail Manager, Software Engineering)
ROLE_FAMILY	Company role family description (e.g. Retail Manager)
ROLE_CODE	Company role code; this code is unique to each role (e.g. Manager)