AI/ML Symposium 2018

Predict-a-thon

Welcome!

- Introduction
- Teams
- Details

Kaggle.com

- If you have not yet signed-up for Kaggle.com please do so now.
- Only one account per individual is allowed.
- Every team member needs to sign up.

InClass Prediction Competition

5103 Intelligent Data Analytics

Homework #6 - 2018

13 days to go

Join Competition

Overview

This competition is part of ISE/DSA 5103 Homework #6.

Given real-world data relating to various communities and their socio-demographics, law enforcement details, and crime statistics, your goal is to predict the community-level per capita violent crimes. The target variable is continuous and you may use any techniques at your disposal to produce a highly predictive model.

You will work on this problem in teams, but you are competing against the others in the class for the best score on the **private leaderboard**. The evaluation metric is RSME (see the evaluation tab for more details).

Scoring/Grading

- Top 10% rank: up to 110 points
- Top 20% rank: up to 105 points
- Top 50% rank: up to 100 points
- Top 50% rank: up to 95 points
- Top 75% rank: up to 90 points
- Bottom 25% rank: up to 85 points

As the poet Eugene Fitch Ware said, **"All glory comes from daring to begin"** -- so, let's get this party started!

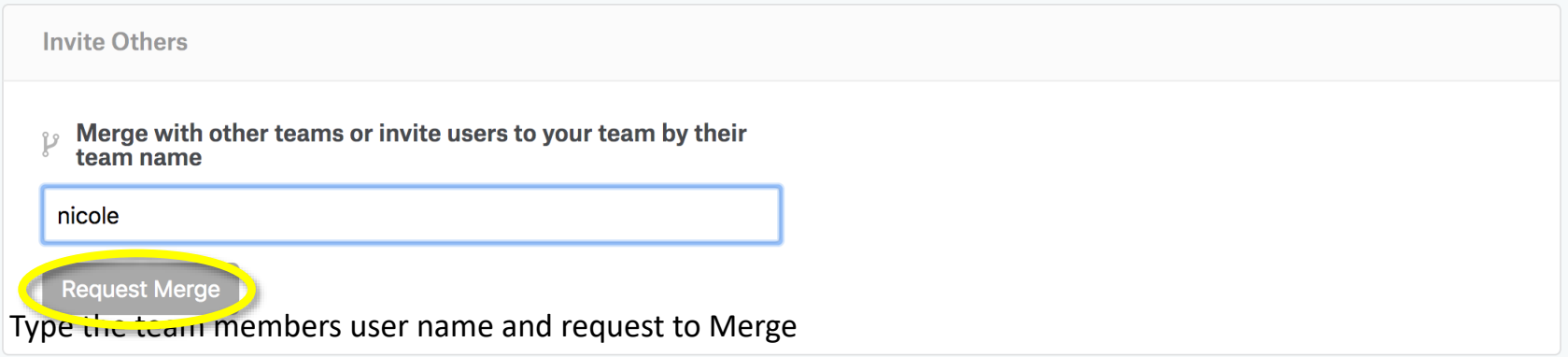
5103 Intelligent Data Analytics

Homework #6 - 2018

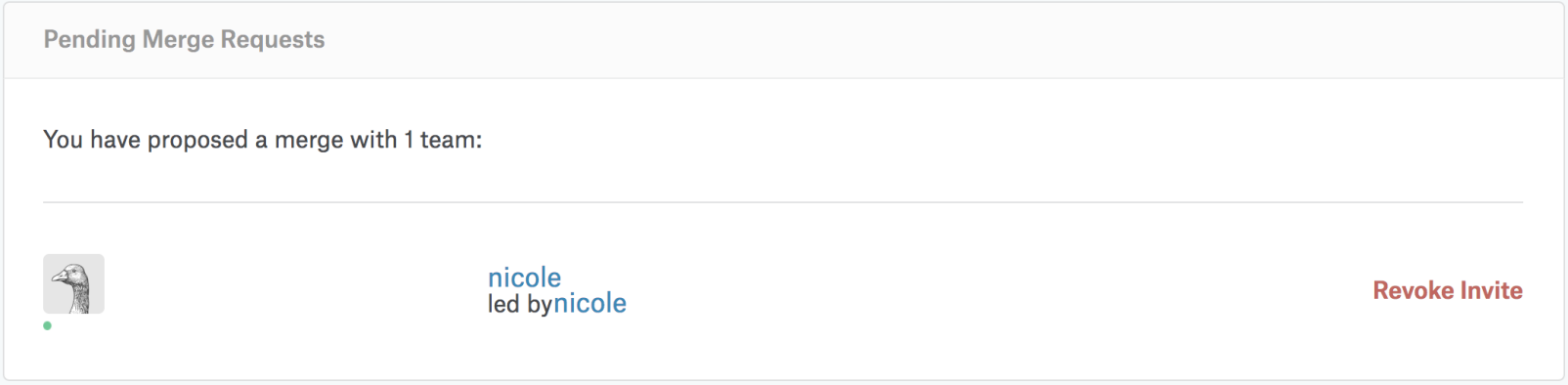
1 teams · 13 days to go

Overview Data Kernels Discussion Leaderboard Rules Team My Submissions **Submit Predictions**

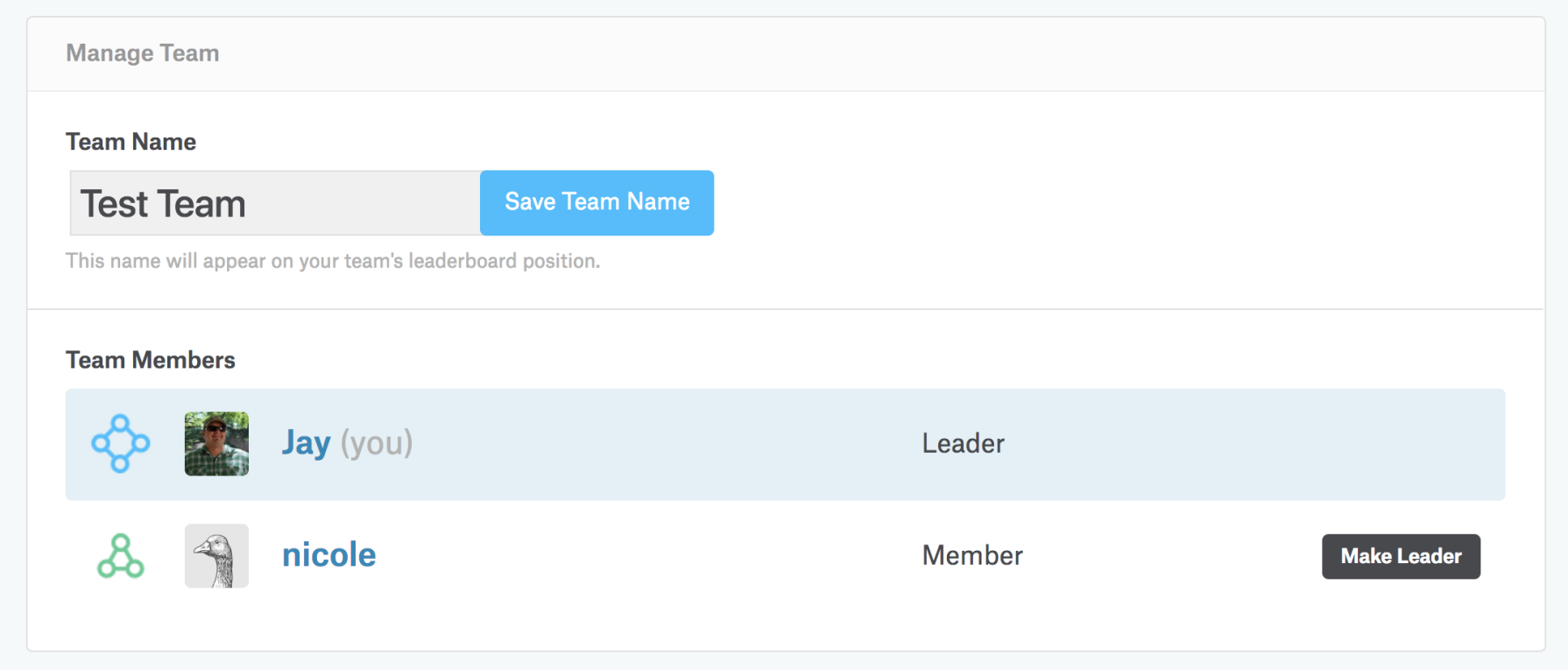
To create a team have one person click on Team



Type the team members user name and request to Merge



Once they accept they will be listed as one of your team members and you can add the next team member.



Kaggle.com

Links to the competition data and information.

- https://www.kaggle.com/t/84115ab138e84ba1819fcbcfb018bff8

- https://www.kaggle.com/t/1243a8abe3a74a2792b2540872a7bc58

3 Challenge Components

- Component 1: develop a classification model to predict a binary outcome. (30% of final score) (Submit to Kaggle.com)
- Component 2: develop a model to predict a continuous outcome variable (40% of final score) (Submit to Kaggle.com)
- Component 3: visual presentation of your analyses/results (30% of final score). Submit to: cnicholson@ou.edu

Challenge

In many businesses, identifying which customers will make a purchase (and when), is a critical exercise. This is true for both brick-and-mortar outlets and online stores. The data provided in this challenge is customer level visit and purchase-level data from an online retailer.

Supervised learning problems:

- Visit includes a positive revenue transaction?
- Total customer revenue?