

# Competition Link

<https://www.kaggle.com/t/337074ba7c5d41bea1cd8c80834339d6>

# Join competition

The image is a screenshot of a web browser displaying a Kaggle competition page. The browser's address bar shows the URL <https://www.kaggle.com/k/introduction-to-data-science-nyu-spring-2018>. The page header includes a navigation bar with tabs for 'Overview', 'Data', 'Discussion', 'Leaderboard', and 'Rules', and a prominent blue 'Join Competition' button. The main content area is titled 'Introduction to Data Science, NYU, Spring 2018' and 'Homework 2: Churn Prediction', with a sub-header '19 days to go'. A sidebar on the left contains links for 'Description', 'Evaluation', and 'TEAM DETAILS'. The main text area provides details about the competition, including the goal of predicting churn, the steps to follow, and the data description.

InClass Prediction Competition

## Introduction to Data Science, NYU, Spring 2018

### Homework 2: Churn Prediction

19 days to go

[Overview](#) [Data](#) [Discussion](#) [Leaderboard](#) [Rules](#) [Join Competition](#)

#### Overview

##### Description

Given a training set of past churn data, your goal in this homework is to predict whether a person will leave the network (churn) or stay.

##### Evaluation

##### TEAM DETAILS

Steps:

1. Train and build a model based using the training data: any model studies in class is acceptable, such as a decision tree, logistic regression, or support vector machine.
2. Use your model to predict the outputs for the test data.
3. Upload your prediction as a file to the kaggle competition to be evaluated and ranked.

Data Description:

Each row represents a customer of the network, with the parameters for each customer described below. The data consists of 20,000 customers, split into 90% (18,000) for training data and the remaining 10% (2,000) as test data (holdout). You can find the labeled training data in 'train.csv' and unlabeled test data in 'test.csv'.

Features of each customer:

# Read the rules and accept

The screenshot shows a web browser window with multiple tabs open, including WhatsApp, Introduction, Favorites, You're office, Kaggle, Homework, New York U, NYU Classe, and Churn. The active tab is the Kaggle page for the "Introduction to Data Science, NYU, Spring 2018" competition, specifically the "Homework 2: Churn Prediction" sub-competition. The page header includes the Kaggle logo, a search bar, and navigation links for Competitions, Datasets, Kernels, Discussion, and Jobs. The main content area has a light blue header with the competition title and a "19 days to go" countdown. Below this is a navigation bar with "Overview", "Data", and "Discussion" tabs. A modal dialog box is centered on the screen, containing the text: "By clicking on the 'I understand and accept' button below, you are indicating that you agree to be bound to the [competition rules](#)." Below the text are two buttons: "I Do Not Accept" and "I Understand and Accept". The background page shows a sidebar with "TEAM DETAILS" and a main content area with "Steps" and "Data Description" sections. The Windows taskbar at the bottom shows various application icons and the system clock indicating "Wed Feb 7, 13:03".

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Introduction to Data Science, NYU, Spring 2018

Homework 2: Churn Prediction

19 days to go

Overview Data Discussion

Join Competition

By clicking on the "I understand and accept" button below, you are indicating that you agree to be bound to the [competition rules](#).

I Do Not Accept I Understand and Accept

Overview

Description

Evaluation

TEAM DETAILS

Steps:

1. Train and build a model based using the training data: any model studies in class is acceptable, such as a decision tree, logistic regression, or support vector machine.
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Features of each customer:

Whether a person will

Wed Feb 7, 13:03

# Successfully joined

The screenshot shows a web browser with multiple tabs open, including WhatsApp, Introduction, Favorites, You're offi, Kaggle: You, Homework, New York U, NYU Classe, and Churn. The address bar shows the URL <https://www.kaggle.com/c/introduction-to-data-science-nyu-spring-2018>. The browser's bookmark bar contains various categories like Apps, gradapps, internships, coding, health, learning, vision, useful, coding&con, courses, MS, interesting, people, Startup, JobSearch, Samsung, and ThisSem. The Kaggle website header includes the logo, a search bar, and navigation links for Competitions, Datasets, Kernels, Discussion, and Jobs. The main content area features a blue banner for the 'InClass Prediction Competition' titled 'Introduction to Data Science, NYU, Spring 2018' with a subtitle 'Homework 2: Churn Prediction' and a countdown of '19 days to go'. Below the banner are tabs for Overview, Data, Discussion, Leaderboard, and Rules, along with a 'Submit Predictions' button. A green status bar indicates 'You have accepted the rules for this competition.' The 'Overview' section is expanded, showing a 'Description' of the task (predicting churn), an 'Evaluation' section, and 'TEAM DETAILS'. The description states: 'Given a training set of past churn data, your goal in this homework is to predict whether a person will leave the network (churn) or stay.' The evaluation steps are: 1. Train and build a model based using the training data; any model studies in class is acceptable, such as a decision tree, logistic regression, or support vector machine. 2. Use your model to predict the outputs for the test data. 3. Upload your prediction as a file to the kaggle competition to be evaluated and ranked. The data description states: 'Each row represents a customer of the network, with the parameters for each customer described below. The data consists of 20,000 customers, split into 90% (18,000) for training data and the remaining 10% (2,000) as test data (holdout). You can find the labeled training data in 'train.csv' and unlabeled test data in 'test.csv'.

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InClass Prediction Competition

**Introduction to Data Science, NYU, Spring 2018**  
Homework 2: Churn Prediction

19 days to go

Overview Data Discussion Leaderboard Rules **Submit Predictions**

✓ You have accepted the rules for this competition.

Overview

**Description**

Given a training set of past churn data, your goal in this homework is to predict whether a person will leave the network (churn) or stay.

**Evaluation**

**TEAM DETAILS**

Steps:

1. Train and build a model based using the training data: any model studies in class is acceptable, such as a decision tree, logistic regression, or support vector machine.
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Wed Feb 7, 13:03

# Go to team tab

The screenshot shows a web browser window with multiple tabs open. The active tab is the Kaggle page for the 'Introduction to Data Science, NYU, Spring 2018' competition, specifically the 'Team' tab. The page header includes the Kaggle logo, a search bar, and navigation links for Competitions, Datasets, Kernels, Discussion, and Jobs. The main content area features a blue banner with the competition title and a progress indicator showing '19 days to go'. Below the banner is a navigation bar with tabs for Overview, Data, Discussion, Leaderboard, Rules, Team (which is selected), My Submissions, and Submit Predictions. The 'Manage Team' section contains a 'Team Name' input field with the text 'Anirudh' and a 'Save Team Name' button. A note below states, 'This name will appear on your team's leaderboard position.' The 'Team Members (1 of 2 maximum)' section shows a single member, 'Anirudh (you)', with a profile icon and the role 'Leader'. At the bottom, there is an 'Invite Others' section.

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InClass Prediction Competition

**Introduction to Data Science, NYU, Spring 2018**  
Homework 2: Churn Prediction

19 days to go

Overview Data Discussion Leaderboard Rules Team My Submissions Submit Predictions



Manage Team

Team Name

Anirudh Save Team Name

This name will appear on your team's leaderboard position.

Team Members (1 of 2 maximum)

  **Anirudh (you)** Leader

Invite Others

Wed Feb 7, 13:04

# Update team name

The screenshot shows a web browser window with the Kaggle website. The address bar shows the URL <https://www.kaggle.com/t/intro-to-data-science-spring-2018/team>. The page title is "Introduction to Data Science, NYU, Spring 2018" and the subtitle is "Homework 2: Churn Prediction". The page has a navigation bar with links: Overview, Data, Discussion, Leaderboard, Rules, Team (active), My Submissions, and Submit Predictions. A green banner at the top of the main content area says "✓ You have successfully updated your team name." Below this, the "Manage Team" section shows the "Team Name" as "sak797 (Grader)" with a "Save Team Name" button. A note below the name says "This name will appear on your team's leaderboard position." The "Team Members (1 of 2 maximum)" section shows a single member, "Anirudh (you)", with a "Leader" role.

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InClass Prediction Competition

## Introduction to Data Science, NYU, Spring 2018

Homework 2: Churn Prediction

19 days to go

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

✓ You have successfully updated your team name.



### Manage Team

Team Name

sak797 (Grader) Save Team Name

This name will appear on your team's leaderboard position.

Team Members (1 of 2 maximum)

  **Anirudh** (you) Leader

Wed Feb 7, 13:05

# MOST IMPORTANT

**Before you do any submissions, FIRST form a team.**

# Steps

Download data sets.....

Train your model.....

Predict for your test data.....

**DOWNLOAD THE test\_submit.csv file and EDIT IT.....**

**SUBMIT YOUR FILE.....**



# Go to submit prediction tab and upload

The screenshot shows the Kaggle submission page for the 'Introduction to data science-nyu-spring-2018' competition. The browser's address bar shows the URL <https://www.kaggle.com/c/introduction-to-data-science-nyu-spring-2018/submit>. The page has a navigation bar with tabs: Overview, Data, Discussion, Leaderboard, Rules, Team, My Submissions, and Submit Predictions (which is the active tab). Below the navigation bar, the page is divided into two main sections: Step 1 and Step 2.

**Step 1: Upload submission file**

The upload area features a dashed box with an 'Upload Submission File' button. Below this, a table shows the submission details:

File Name	Status	Progress	Size
sak797_submit.csv (12.6 KB)	Complete	100%	12.6 KB

Below the table, there are two informational sections:

- File Format:** Your submission should be in CSV format. You can upload this in a zip/gz/rar/7z archive, if you prefer.
- Number of Predictions:** We expect the solution file to have 2000 prediction rows. This file should have a header row. Please see sample submission file on the [data page](#).

**Step 2: Describe submission**

This section includes a rich text editor with a toolbar (bold, italic, link, unlink, image, list, header, undo, redo) and a text area for describing the submission. A note indicates 'Styling with Markdown supported'. Below the text area is a blue 'Make Submission' button.

The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 'Wed Feb 7, 13:07'.

# Successfully submitted

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

Your most recent submission

Name	Submitted	Wait time	Execution time	Score
sak797_submit.csv	just now	0 seconds	0 seconds	0.60930

**Complete**

[Jump to your position on the leaderboard](#)

**Public Leaderboard** Private Leaderboard

This leaderboard is calculated with approximately 43% of the test data.  
The final results will be based on the other 57%, so the final standings may be different.

[Raw Data](#) [Refresh](#)

#	Δ1w	Team Name	Kernel	Team Members	Score @	Entries	Last
1	new	<b>sak797 (Grader)</b>			0.60929	1	now

**Your Best Entry**

Your submission scored 0.60930, which is not an improvement of your best score. Keep trying!

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Wed Feb 7, 13:07