

Challenge Instructions

Now that you have signed up for the competition at <https://datasciencecapstone.org/t/data-science/latest/> and explored the training data, it's time to build a machine learning model and test it with the **Test set values** dataset.

You can use your tool of preference to generate and test your model.

To enter a submission for the competition, you must use your model to predict labels for the observations in the **Test set values** dataset, and then submit your results in the prescribed **Submission format**. Make sure you read the competition details and rules at <https://datasciencecapstone.org/t/data-science/latest/> carefully.

Each time you submit an entry, it is scored using the test set to determine your place on the competition leaderboard. It is also scored using a private test set to which you do not have access in order to ensure your model is not over-fitted to the public test data. Your score is calculated based on an appropriate performance metric for the type of model you need to create, and this is translated into a grade for the challenge.

Important: When you submit your entry, you will be given a unique token. You must enter this token in the following page in order to receive the grade for your submission in this edX course. You can enter tokens for subsequent entries, and your highest scoring entry will be counted as your grade for this challenge.

Your grade for the this challenge accounts for 50% of your overall grade for the course.

If you have any problems signing up for the competition site, entering the competition, or downloading the data; send an email to **support@datasciencecapstone.org**.

Please make sure you have read the [competition rules](#), and in particular note the following:

CHEATING. Participating using more than one Website account is deemed cheating and, if discovered, will result in disqualification from the Competition and any other affected Competitions and may result in banning or deactivation of affected Website accounts.

Additionally, the following text is clearly stated in the competition site:

Submission limits The number of submissions per day is restricted to a fixed value on a per-competition basis. Any attempt to circumvent this limit will result in disqualification.

In the interests of being fair to the vast majority of students who work diligently and adhere to the rules, anyone found cheating will be disqualified from the competition and assigned a **Fail** grade in this course.

Get Your Grade

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Get Your Grade

97.0/100 points (graded)

You must enter your grading token in order to receive a grade for your submission. You may submit your token here as many times as you want; it will only change when you make a submission that is better than your current best.

See here for instructions: [How do I get my grade on edX](#)

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正确

Your grade is 97/100

提交

一些题目设有保存、重置、提示、显示答案等选项，点击提交后即会出现。

Your Grade Explained

The score for your competition entry is based on the **R-squared** achieved by your model when tested with the private test set. Your grade on edX for this challenge is out of 100, and is calculated from your score in the competition based on several benchmarks:

- If your model scores an **R-squared less than 0.45**, your grade will be **1/100**.
- Models that score an **R-squared of 0.45** will earn you a grade of **76/100**.
- Models that score an **R-squared of 0.55** will earn you a grade of **90/100**.

If your model produces a score between two of these benchmarks, your grade will be interpolated linearly.

Note: In order to prevent overfitting these grades are based on the reserved test data, so don't be surprised if your grade is less than your local test or cross validation scores would suggest. If they are very different, you are probably overfitting.

Support

For more details about competition entries and grading, see the competitions FAQ at <https://datasciencecapstone.org/about/>.

If you have any problems that are not answered in the FAQ; send an email to **support@datasciencecapstone.org**.