

[Few Hours To Go] Top Companies are HIRING 300+ Data Scientists! Are you on their list?

Register Now

✕



JOB-A-THON - September 2021

📍 Online 📅 17-09-2021 12:00 AM to 19-09-2021 11:59 PM

**5614**  
Registered

**Job Opportunities with Top Companies**  
Prizes

ENDS IN

2 16 31

DAYS HOURS MIN

Registered

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Instructions:

- 1st Assessment is MCQ - Skill Test
- You will have 2 attempt for the MCQ test
- The Skill test will have 40 questions with each question having a timer of 60 seconds.
- Please attempt all the questions, there is no negative marking.
- 2nd Assessment is ML Hackathon.
- Only after giving the Skill test once, you will be able to download the data set and make submissions.
- Though you will be able to read the problem statement for the Hackathon even before giving the Skill test
- Once Assessment is given, your rank will be displayed in the Leaderboard.

Assessment 1: Skill Test -MCQ

SkillTest Attempts left: 1

START ASSESSMENT TEST

Assessment 2 ML: Hackthon

Supplement Sales Prediction

Your Client WOMart is a leading nutrition and supplement retail chain that offers a comprehensive range of products for all your wellness and fitness needs.

WOMart follows a multi-channel distribution strategy with 350+ retail stores spread across 100+ cities.

Effective forecasting for store sales gives essential insight into upcoming cash flow, meaning WOMart can more accurately plan the cashflow at the store level.

Sales data for 18 months from 365 stores of WOMart is available along with information on Store Type, Location Type for each store, Region Code for every store, Discount provided by the store on every day, Number of Orders everyday etc.

**Your task is to predict the store sales for each store in the test set for the next two months.**

Support

Data Dictionary

Train Data

Variable	Definition
ID	Unique Identifier for a row
Store_id	Unique id for each Store
Store_Type	Type of the Store
Location_Type	Type of the location where Store is located
Region_Code	Code of the Region where Store is located
Date	Information about the Date
Holiday	If there is holiday on the given Date, 1 : Yes, 0 : No
Discount	If discount is offered by store on the given Date, Yes/ No
#Orders	Number of Orders received by the Store on the given Day
Sales	Total Sale for the Store on the given Day

Test Data

Variable	Definition
ID	Unique Identifier for a row
Store_id	Unique id for each Store
Store_Type	Type of the Store
Location_Type	Type of the location where Store is located
Region_Code	Code of the Region where Store is located
Date	Information about the Date
Holiday	If there is holiday on the given Date, 1 : Yes, 0 : No
Discount	If discount is offered by store on the given Date, Yes/ No

Sample\_Submission

Variable	Definition
ID	Unique Identifier for a row
Sales	Total Sale for the Store on the given Day

How to Make a Submission?

- All Submissions are to be done at the solution checker tab.
- For a step by step view on how to make a submission check the below video

How to Make a Submission on DataHack



## Evaluation

The evaluation metric for this competition is **MSLE** \* 1000 across all entries in the test set.

## Public and Private Split

Test data is further divided into Public (First 20 Days) and Private (Last 41 Days). You will make the prediction for two months (61 days).

- Your initial responses will be checked and scored on the Public data.
- The final rankings would be based on your private score which will be published once the competition is over.

## Guidelines for Final Submission

Please ensure that your final submission includes the following:

1. Solution file containing the total sales for given date for every store
  2. A Zipped file containing code & approach (Note that both code and approach document are mandatory for shortlisting)
- Code: Clean code with comments on each part
  - Approach: Please share your approach to solve the problem (doc/ppt/pdf format). It should cover the following topics:
    1. A brief on the approach, which you have used to solve the problem.
    2. What data-preprocessing / feature engineering ideas really worked? How did you discover them?
    3. What does your final model look like? How did you reach it?

## How to Set Final Submission?

### How to Set your Final Submission on DataHack



## Hackathon Rules

1. *The final standings would be based on private leaderboard score.*
2. Setting the final submission is recommended. Without a final submission, the submission corresponding to best public score will be taken as the final submission
3. Use of external data is prohibited
4. Use of ID variable is not allowed as part of the model
5. You can only make 10 submissions per day
6. Entries submitted after the contest is closed, will not be considered
7. The code file pertaining to your final submission is mandatory while setting final submission
8. Throughout the hackathon, you are expected to respect fellow hackers and act with high integrity.
9. Analytics Vidhya holds the right to disqualify any participant at any stage of the competition if the participant(s) are deemed to be acting fraudulently.
10. Use of multiple Login IDs will lead to immediate disqualification

Data

-  Test File
-  Train File
-  Sample Submissions

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