

Common Attributes

The following attributes are present in both the files (**training_dataset.csv** and **test_dataset.csv**).

Contest Logins

The attributes in this section have to do with the number of contests that a user actually logged in to HackerRank to compete in. Note that this is **not** the total number of contests the user signed up for.

contest_login_count	Total number of contests the user logged in for since joining HackerRank.
contest_login_count_1_days	Total number of contests the user competed in within the last one day.
contest_login_count_7_days	Total number of contests the user competed in within the last 7 days.
contest_login_count_30_days	Total number of contests the user competed in within the last 30 days.
contest_login_count_365_days	Total number of contests the user competed in within the last 365 days.

Contest Participation

The attributes in this section have to do with the number of contests that a user *signed up for*. Users who signed up for a contest did not necessarily compete in it.

contest_participation_count	Total number of contests the user signed up for since joining HackerRank.
contest_participation_count_1_days	Total number of contests the user signed up for in the last one day.
contest_participation_count_7_days	Total number of contests the user signed up for in the last 7 days.
contest_participation_count_30_days	Total number of contests the user signed up for in the last 30 days.
contest_participation_count_365_days	Total number of contests the user signed up for in the last 365 days.

Account Information

This section contains miscellaneous attributes associated with a user's account and their participation in the HackerRank community.

hacker_created_at	Epoch of when the user signed up for the HackerRank.
forum_comment_count	Total number of <i>replies</i> made by the user in the challenge discussion forum which are <i>not</i> the first level comments. A first level comment is considered to be a question asked by a user, and the non-first-level comments associated with it are replies to the question.
forum_count	Total number of all comments made by the user in the challenge discussion forum (this includes any first or non-first level comment).
forum_expert_count	Total number of <i>expert reply</i> comments made by the user in the challenge discussion forum, meaning replies to requests from commenters requesting help from the user as a challenge expert.
forum_question_count	Total number of first level comments made by the user in the challenge discussion forum, meaning general questions asked by the user.
hacker_confirmation	A <i>boolean</i> value denoting whether or not the user confirmed their primary email. If the email was confirmed, it's true; otherwise, it's false.
user_id	The unique ID of the user.
hacker_timezone	The timezone of the user given in number of seconds offset with GMT. The timezone have been anonymized to a multiples of one hour (3600 seconds).
ipn_count	Total number of in-product notifications the user received since joining HackerRank.
ipn_count_1_days	Total number of in-product notifications the user received in the last one day.
ipn_count_7_days	Total number of in-product notifications the user received in the last 7 days.
ipn_count_30_days	Total number of in-product notifications the user received in the last 30 days.
ipn_count_365_days	Total number of in-product notifications the user received in the last 365 days.
ipn_read	The total number of in-product notifications the user actually read since joining HackerRank.
ipn_read_1_days	Total number of in-product notifications the user actually read in the last one day.
ipn_read_7_days	Total number of in-product notification the user actually read in the last 7 days.
ipn_read_30_days	Total number of in-product notification the user actually read in the last 30 days.

ipn_read_365_days	Total number of in-product notifications the user actually read in the last 365 days.
last_online	The epoch of when the user was last online before this email was sent. This is calculated based on the most common activities of the user on the website.
mail_category	The email category.
mail_id	The email id.
mail_type	The type of email sent to the user.
sent_time	The epoch of when the email was sent.

Submitted Code

This section contains attributes associated with the frequency with which a user submitted code on HackerRank.

submission_count	The user's total number of submissions, including contests and master domains (i.e., Algorithms, Tutorials, etc.), since joining HackerRank.
submission_count_1_days	The user's total number of submissions, including contests and master domains (i.e., Algorithms, Tutorials, etc.), in the last 1 day.
submission_count_7_days	The user's total number of submissions, including contests and master domains (i.e., Algorithms, Tutorials, etc.), in the last 7 days.
submission_count_30_days	The user's total number of submissions, including contests and master domains (i.e., Algorithms, Tutorials, etc.), in the last 30 days.
submission_count_365_days	The user's total number of submissions, including contests and master domains (i.e., Algorithms, Tutorials, etc.), in the last 365 days.
submission_count_contest	The user's total number of <i>contest</i> submissions since joining HackerRank.
submission_count_contest_1_days	The user's total number of <i>contest</i> submissions in the last 1 day.
submission_count_contest_7_days	The user's total number of <i>contest</i> submissions in the last 7 days.
submission_count_contest_30_days	The user's total number of <i>contest</i> submissions in the last 30 days.

submission_count_contest_365_days	The user's total number of <i>contest</i> submissions in the last 365 days.
submission_count_master	The user's total number of <i>master domain</i> (i.e., Algorithms, Tutorials, etc.) submissions since joining HackerRank.
submission_count_master_1_days	The user's total number of <i>master domain</i> (i.e., Algorithms, Tutorials, etc.) submissions in the last 1 day.
submission_count_master_7_days	The user's total number of <i>master domain</i> (i.e., Algorithms, Tutorials, etc.) submissions in the last 7 days.
submission_count_master_30_days	The user's total number of <i>master domain</i> (i.e., Algorithms, Tutorials, etc.) submissions in the last 30 days.
submission_count_master_365_days	The user's total number of <i>master domain</i> (i.e., Algorithms, Tutorials, etc.) submissions in the last 365 days.

Attributes Unique to **training_dataset.csv**

The following attributes only appear in the **training_dataset.csv** file (not in the **test_dataset.csv** file).

click_time	The epoch of when the first click happened on an email. This does not mean that the unsubscribe link (if any) was clicked.
clicked	A <i>boolean</i> value denoting whether or not the email was clicked. If the user clicked the email, then the value is true; otherwise, it's false.
open_time	The epoch of when the user opened the email.
opened	A <i>boolean</i> value denoting whether or not the user opened the email. If the user opened the email, then the value is true; otherwise, it's false.
unsubscribe_time	The epoch of when the the email's unsubscribe link (if any) was clicked for the first time.
unsubscribed	A boolean value denoting whether or not the user clicked the unsubscribe link (if any) in the email. If the user did click the unsubscribe link, then the value is true; otherwise, it's false.