Endpoints:

1. Maintainer count
2. Organizational influence
3. Organizational Contributing (Joining or Leaving)
4. Contributor Affiliations
5. Peripheral Organizations

Maintainer Count

This endpoint creates data for the “Maintainer Count” CHAOSS metric. The intended use of this metric is to assess the number of individuals that are assigned the “maintainer” role for a GitHub repository. This role grants someone higher-level permissions that allow them to “maintain” a repository without access to sensitive information and should belong to an active, visible member. This endpoint is useful to gather how many individuals have this role, and assess the activity of these individuals to ensure that they are fulfilling their duties as a maintainer. It could also be a useful metric to produce to ensure that there is an appropriate number of individuals that possess this role.

Output

Name	**Type**
maintainter_count	bigint

Organizational Influence

As an approximation of influence, this metric will indicate the percentage of commits by users who are part of an organization in a given period. For individuals or companies considering contributing to an open source project, knowing that one company dominates or that it is developed by unaffiliated individuals may inform their decision. This metric could be used for visualizations as well, either dividing the history of a project into equal segments and/or showing the cumulative breakdown.

Output

Name	**Type**
cntrb_company	string
percent_cntrb	float

Organizations Contributing (Joining or Leaving)

This endpoint generates data for the “Organizations Contributing” metric. This metric attempts to measure the impact of a specific organization joining or leaving the project. The endpoint defines a company’s contribution period as the time between when the first pull request by a contributor affiliated with the company was made, until the most recent pull request by an affiliated contributor was made.

Given the name of a company, this endpoint returns the average number of pull requests made per day during the contribution period, in the 60 days before the contribution period, and in the 60 days after the contribution period. This endpoint will allow evaluation of the changes in commit activity as organizations join and leave.

Output

Name	**Type**
cntrb_per_day_before	float
cntrb_per_day_during	float
cntrb_per_day_after	float

Contributor Affiliations

This endpoint creates data for the “Organization or Volunteer Driven” metric. This metric indicates the ratio of commits by users affiliated with an organization vs. users with no organizational affiliation.

Output

Name	**Description**	**Type**
null_state	The value is either “Organizations” or “Volunteers”	string
count	The number of pull requests made	integer

Peripheral Organizations

This endpoint creates data for the “Peripheral Organizations” metric. This would show the organizations who had a temporary influence on the project but have since stopped contributing.

For individuals or organizations who are considering joining to contribute to a project, if they see that a lot of organizations made the same decision and then stopped, it might say something about the health of the project.

Output

Name	**Description**	**Type**
organization_name	The name of the organization	string
first_contribution	When did the organization first contribute to the project? (days)	date
last_contribution	How long since the organization has contributed? (days)	date
number_of_contributions	How much did the organization contribute to the project? (# of commits)	integer