COSE

GRAPH DOCUMENTATION

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| Field | Details |
| Name | TOP 10 USERS BY REPO OWNED |
| Purpose | Shows top ten users based on number of repositories owned filtered by type of the user. |
| Chart Type | Bar |
| SQL Query | (select user\_type,login,abs(public\_repos) from github\_analytics\_db.cisco\_user\_list where user\_type = [user\_type]' order by ABS(public\_repos) desc limit 10) |
| API URL | /user/toprepo/:user\_type [GET] [PARAMS: User, Organization] |

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| Field | Details |
| Name | TOP 10 USERS BY FOLLOWERS |
| Purpose | Shows top ten users based on number of followers |
| Chart Type | Bar |
| SQL Query | select user\_type,login,abs(followers) from github\_analytics\_db.cisco\_user\_list where user\_type = 'User' order by ABS(followers) desc limit 10 |
| API URL | /user/topten [GET] |

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| Field | Details |
| Name | TOP 5 REPOS BY WATCHERS |
| Purpose | Shows top 5 repositories based on number of watchers filtered by user\_type |
| Chart Type | Donut |
| SQL Query | (select A.name, abs(A.watchers\_count), B.user\_type  from repository\_info as A  left join cisco\_user\_list as B  on A.login = B.login  where B.user\_type = [user\_type]'  order by abs(A.watchers\_count) desc limit 5) |
| API URL | /repo/watchers/:user\_type [GET] [PARAMS: User, Organization] |

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| Field | Details |
| Name | Contributions by Month |
| Purpose | Shows cisco's contributions by month for the current year filtered by the event type |
| Chart Type | Line |
| SQL Query | SELECT event, created, count(event) from  (select event,substring(created\_at,1,7) as created FROM github\_analytics\_db.cisco\_user\_timeline) as A where event = [event\_type]  group by event,created  order by event,created; |
| API URL | /contri/month/:event\_type [GET] [PARAMS: CreateEvent, DeleteEvent, ForkEvent....] |

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| Field | Details |
| Name | Top 5 repos by number of forks |
| Purpose | Shows repositories by maximum number of forks. |
| Chart Type | Pie |
| SQL Query | SELECT name,full\_name,abs(forks\_count) FROM github\_analytics\_db.repository\_info order by abs(forks\_count) desc limit 5; |
| API URL | /repo/forks [GET] |

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| Field | Details |
| Name | Most popular languages used |
| Purpose | Languages by number of users. |
| Chart Type | Radar |
| SQL Query | SELECT language, count(language) as language\_count FROM github\_analytics\_db.repository\_info group by language order by count(language) desc; |
| API URL | /languages [GET] |

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| Field | Details |
| Name | Top contributors by share of events |
| Purpose |  |
| Chart Type | Donut |
| SQL Query | SELECT actor\_login, count(actor\_login) FROM github\_analytics\_db.cisco\_user\_timeline group by actor\_login order by count(actor\_login) desc; |
| API URL | /contri/share |