We used the entity Animal and the attributes we thought were significant are sex, status, dob, status_date, overall_adg, last_weight. Notable attributes are status to know whether they are sold or dead. We are using overall_adg to see if the vigor score has an association with their average daily gain. We are using last_weight to see how the weight associated with vigor score. In terms of sustainability, we previously talked about how the goats can help prevent wildfires in certain states such as California. We can use the attribute overall_adg to figure out which goats are eating the most and use those goats to help clear out overgrown areas to prevent future wildfires.

We estimate the database size to be around 2,407,197 records. This is the total among all entities and attributes. For the query that compares birth weights, one search will be made for each year being compared. Then for the query that shows vigor score correlation, there will be one search made to get vigor scores, and then one for each trait that it is being compared to.

ANIMAL

animal_id	sex	status	dob	overall_adg	status_date	last_weight

NOTE

animal_id	created	session_id

SESSION ANIMAL TRAIT

animal_id	session_id	trait_code	when_measured	alpha_units	alpha_value

SESSION ANIMAL ACTIVITY

animal_id	session_id	activity_code	when_measured

PICKLIST VALUE

picklistvalue_id	value

System

Enter a year

Picks a
statistic

Pick a trait
from the list

Actor