1. Does the weight of species vary depending on plot location?
2. Does the average weight of *Peromyscus eremicus* change over time?
3. Which species is most common at which plot?

1. Does the weight of species vary depending on plot location?

SELECT plot\_id, avg(weight)

FROM surveys

GROUP BY plot\_id

ORDER BY avg(weight)

Results:

Average weight ranges from 18.5 to 54.1 with a slow gradient of change across plots in a seemingly random order (I do not know plot location).

2. Does the average weight of *Peromyscus eremicus* change over time?

SELECT year, species\_id, COUNT(\*), AVG(weight)

FROM surveys

WHERE species\_id='PE'

GROUP BY year

Results: Average weight does not seem to change much over time.

3. Which species is most common at which plots?

SELECT plot\_id, species\_id, COUNT(species\_id)

FROM surveys

GROUP BY plot\_id, species\_id

ORDER BY plot\_id, COUNT(species\_id)

It seems DM is one of the most common.

1-DM

2-DM

3-PP

4-DM

5-DM

6-PB

7-RM

8-DM

9-DM

10-RM

11-DM

12-DM

13-DM

14-DM

15-PP

16-RM

17-DM

18-DM

19-PB

20-DM

21-PB

22-DM

23-RM

24-DM