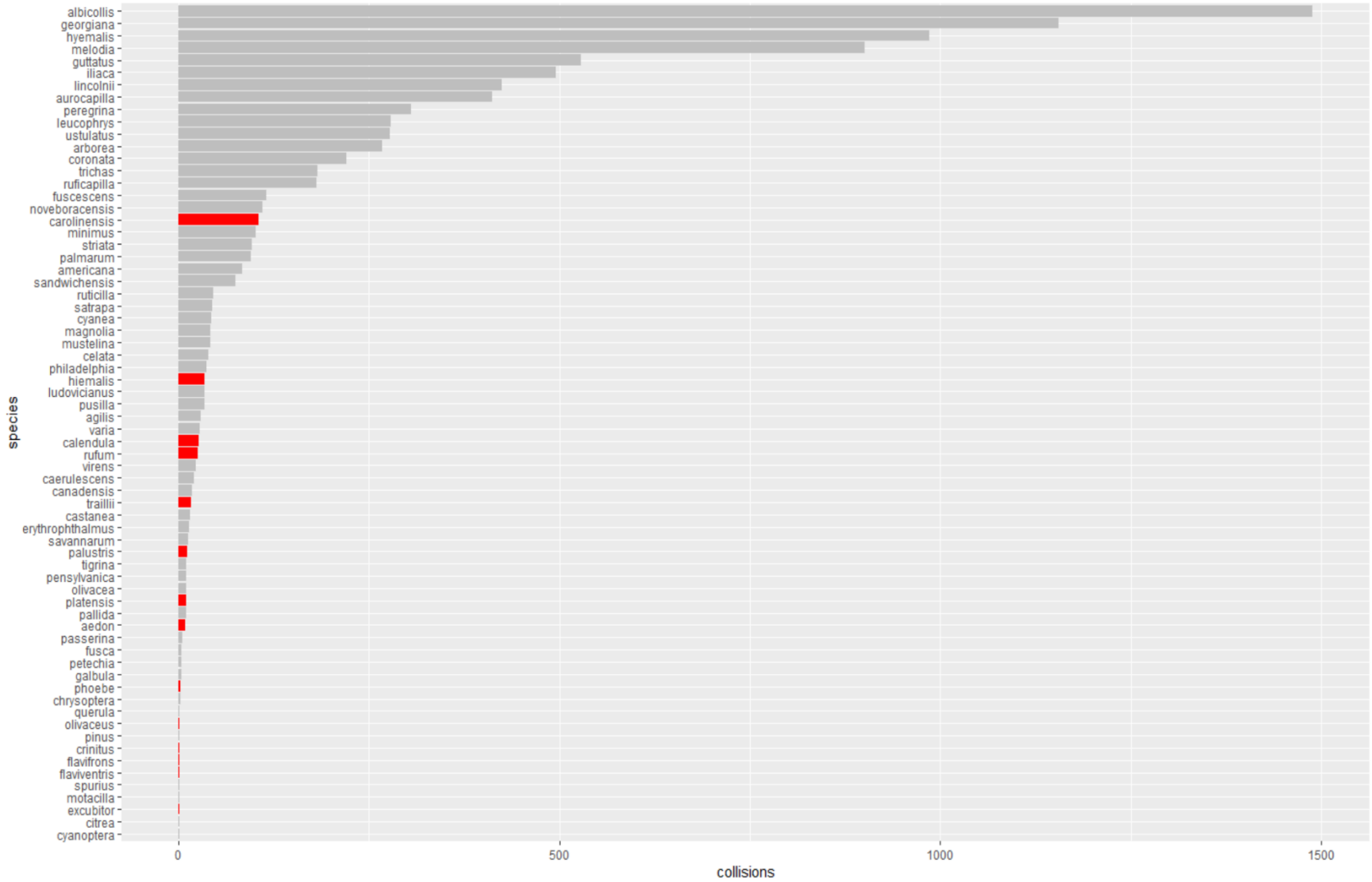


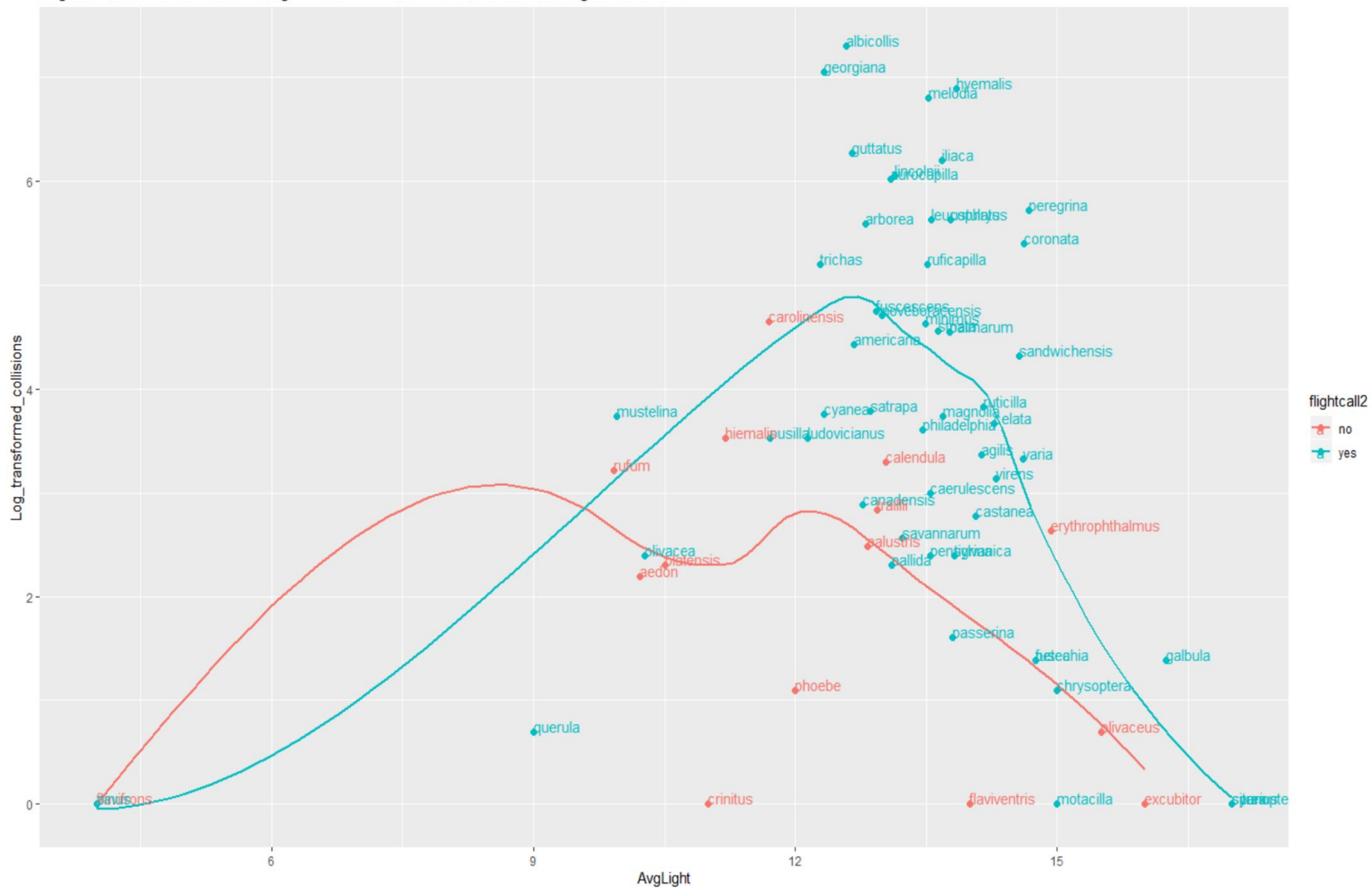
There seems to be a big issue with migrant birds colliding with the buildings around Chicago, IL, and Cleveland, OH. There are thousands of cases each year that have been gathered to show that the birds are migrating at night time. Some of the birds have been found to use a flight call to possibly stay together, warn others of what's ahead, etc. However, the data that was gathered showed that the birds that had flight calls during migration at night seem to have higher amounts of collisions in the cities analyzed. There were two big points that came from the data that was analyzed. The first was that the birds with flight calls migrating at night tend to have more collisions. We can see this below with the graph that shows us that the species that use a flight call during night migration had higher amounts of collisions compared with those not using flight calls.

Migrant Birds that dont use Nocturnal Flight Calls Have Less Collisions in Chicago and Cleveland



The other piece of data was looking into if the artificial light within the city was having an impact on the collisions as well. The data was analyzed and found that the migrant birds using flight calls at night time had more collisions when there were higher amounts of artificial light present. The birds that did not use flight calls still had collisions but not as many, and not when there was a large amount of artificial light present like the flight call birds. We can see this below with a loess curve and the species of birds that were analyzed in the scatter plot. They are split by if they were using a flight call or if they were not using a flight call during night time migrations.

Migrant Birds with Nocturnal Flight Calls Collide More when Artificial Light is Present



Migrant Birds with Nocturnal Flight Calls Collide More when Artificial Light is Present

