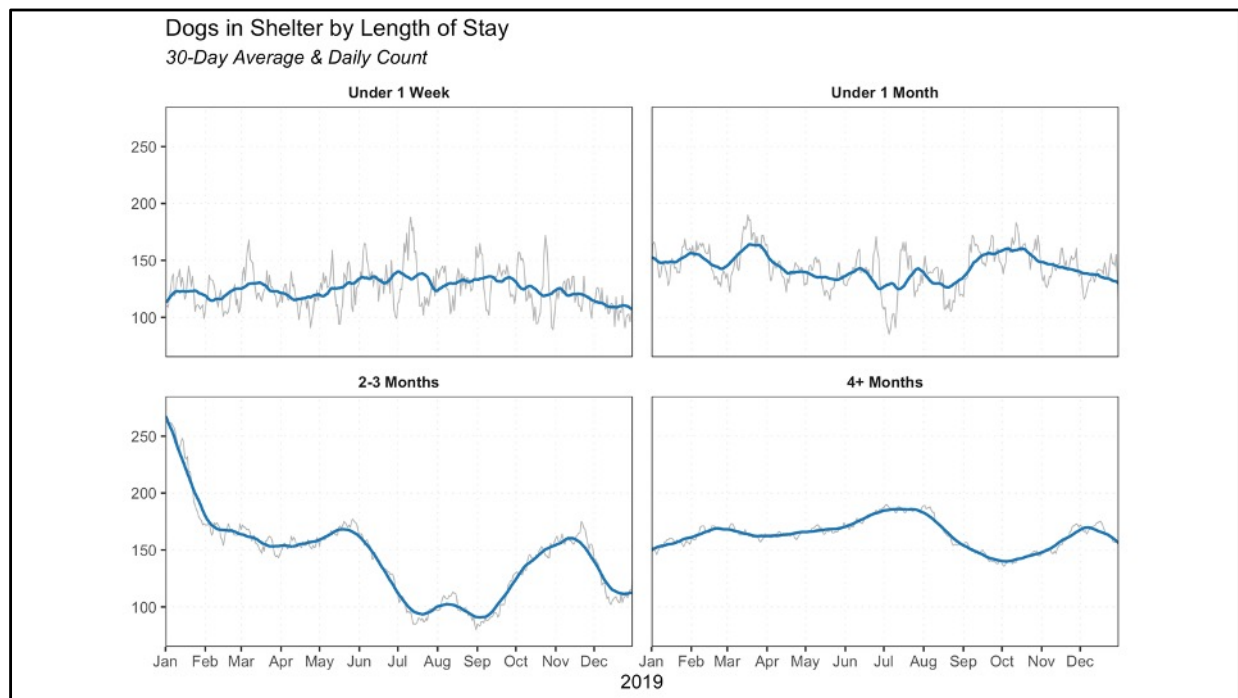


I am continuing to wring a bit more out the Austin Animal Center data.

In HW2, my blue funnel/pyramid showed the number & proportion of dogs in the shelter for different durations – for any given day. I was curious how the duration buckets expand & contract over time.

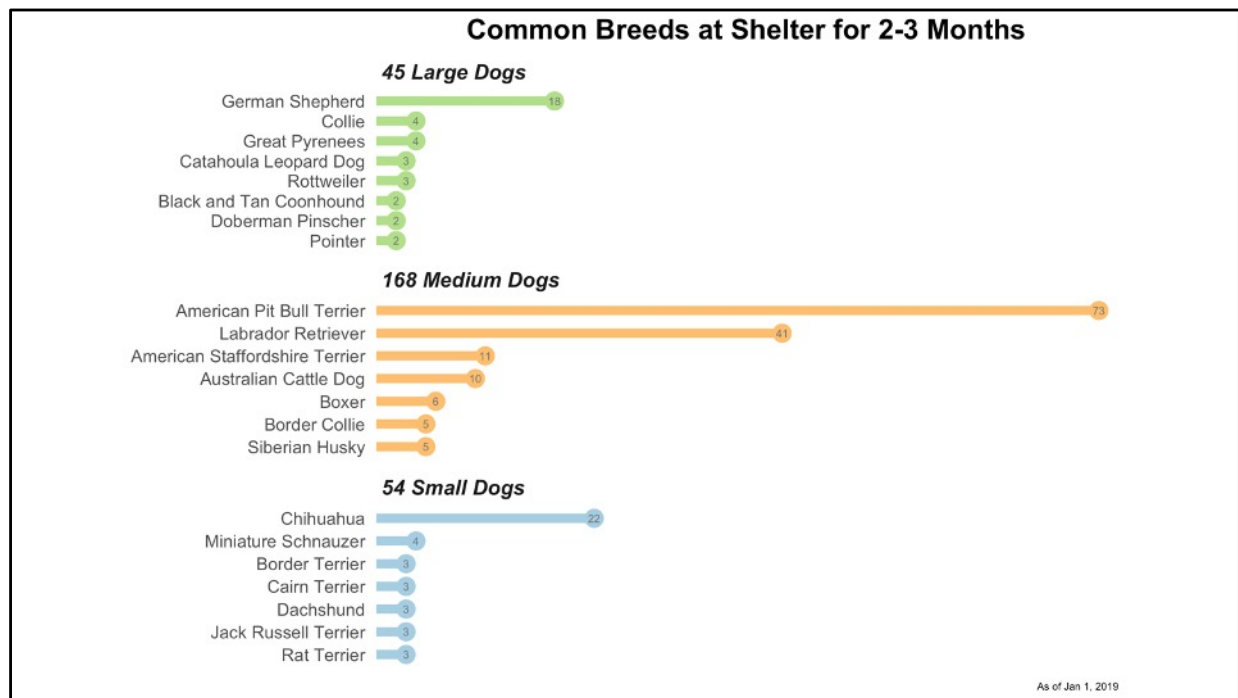
This has the typical shortfalls of a stacked area chart – difficult to precisely interpret the upper layers. But I get a general sense of the widths over time. The “2-3 Months” group (light blue) expansions seem to roughly correspond with pushing the shelter beyond its capacity.



Here, I break out each duration category as a separate chart to more clearly see its characteristics. I plotted the actual daily number of dogs as well as 30-day rolling average to see the overall trend.

There is more variation (bigger swings) day-to-day in the short stay categories. The “2-3 Months” category is clearly not like the others.

I like both charts – neither tells the whole story, but each highlights a different piece of the puzzle.



Given that the “2-3 Months” category was so high in early January, I dug deeper. Ultimately, with the attributes available, I did not find a clear “aha” for why this category was overloaded.

But along the way this chart fell out as an overview of the 267 dogs in that category. Yikes! That’s a lot of pit bulls.