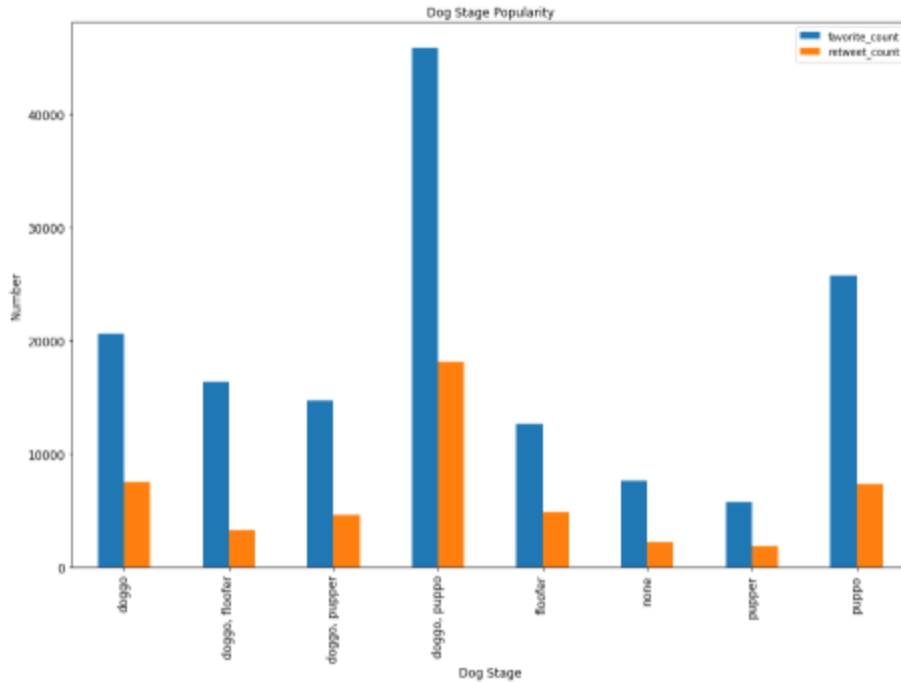


Which Dog Stage is Most Popular?

After looking at the WeRateDogs Twitter posts, one may begin to wonder which stage of dog is the most popular. In the twitter page, dogs are broken down into categories of doggo, fluffer, pupper, and puppo. In order to evaluate the most popular stage or combination of stages, we'll start by grouping the dog stages together, then first evaluating them in terms of average favorite counts, and average ratings out of 10. Below are the observed results.

	maturity	favorite_count	rating_numerator
0	doggo	20629.500000	11.940000
1	doggo, floofer	16401.000000	11.000000
2	doggo, pupper	14688.857143	10.857143
3	doggo, puppo	45817.000000	13.000000
4	floofer	12670.166667	12.000000
5	none	7580.839888	10.337781
6	pupper	5705.982353	10.541176
7	puppo	25755.785714	11.857143

Based on the observed results, the doggo, fluffer combination averages both the highest average favorite count and rating numerator. The doggo and puppo categories both individually came in with strong results, with each individually having average results in the top four of average favorite counts and average ratings. Conversely, dogs who weren't assigned a stage, or in this case are labeled "none," received the lowest average rating of 10.34 out of 10. The lowest favorite count went to the pupper category, which received an average favorite count of approximately 1800 less than the next lowest result. After looking at the observed results, it appears that a higher average favorite count does coincide with a higher average rating. Next, each dog stage was analyzed in terms of average retweet counts to see if this translated to higher average favorite counts. Below are the plotted results.



Based on these observed results, it appears that a higher retweet count does correlate to a higher favorite count. The doggo, puppo field received the highest average favorite and retweet counts, followed by the puppo and doggo fields respectively. The pupper field had both the lowest average favorite and retweet count averages, followed by dogs who weren't assigned to any stage, or are marked as "none." Based on average retweet counts, favorite counts and average ratings, if you're looking for the most popular dog stage, you'd be well-served to go with the doggo, puppo combination!