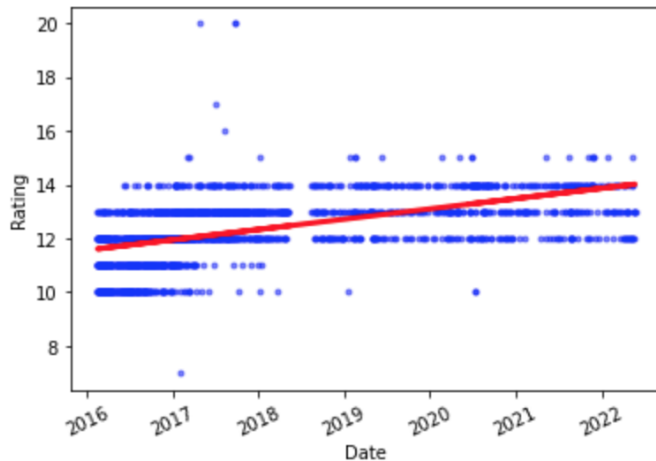


On twitter, there is an account called @dog\_rates which rates the cuteness of dogs on a scale out of 10, our task here is to see if there's been inflation in the ratings given. A date vs rating scatterplot of the ratings from 2016 to 2022 is shown below with the best-fit line drawn in red. The ratings are all out of 10.



Any ratings over 25 was counted as an outlier and omitted from the data points. As clearly shown by the best-fit line, the slope points towards a positive inflation of the ratings. A quick t-test with  $H_0$ : slope is 0 gives a p-value of near 0, which also shows that there is indeed a positive inflation of the ratings. A plot of the average ratings per year is also shown below. Here you can clearly see that the means of the ratings have risen since 2016.

