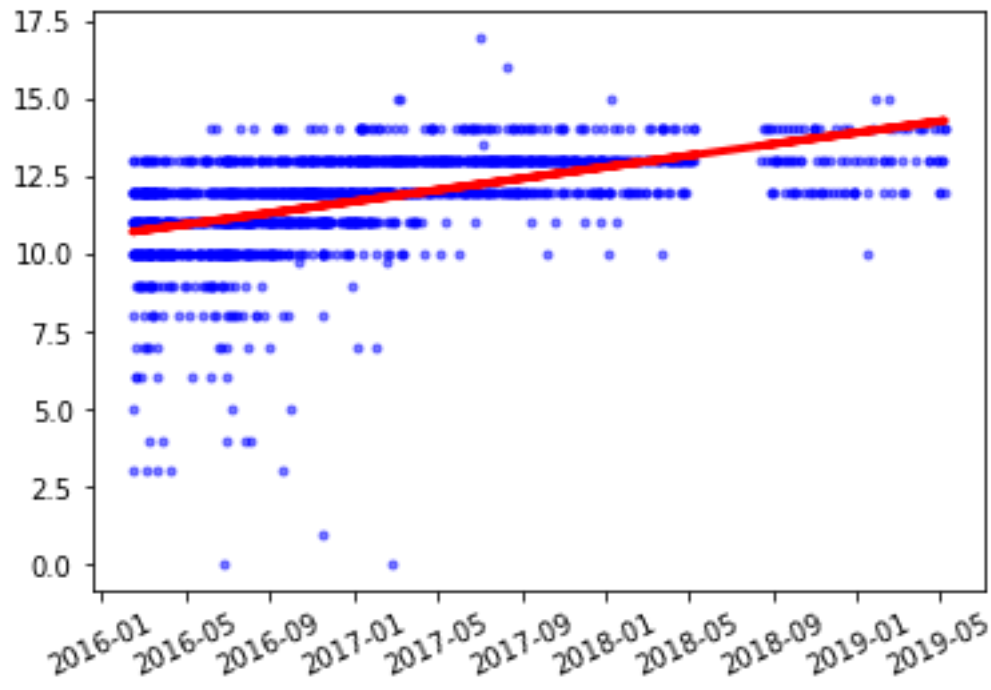
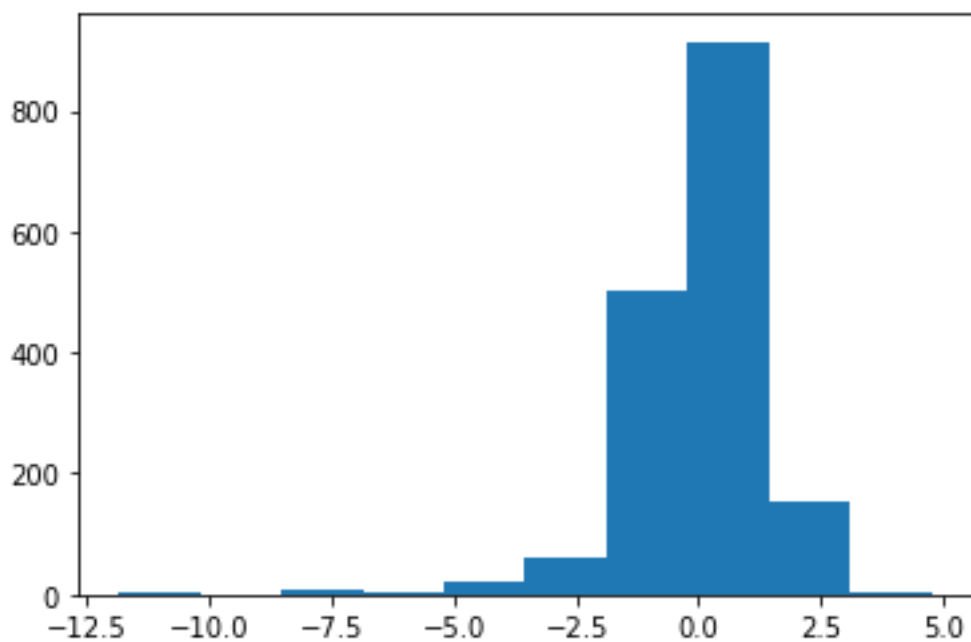


## Introduction

on the @dog\_rates Twitter, which rates the cuteness of users' dog pictures with number score (out of 10). In this work we will do initial analysis of the data and determined that whether have increasing significant trend in the ratings



The visualizations of the scatter plot with fit line. The best fit line clearly trends upwards from 2016 to 2019, also we can reject the  $H_0$ : there is no relation between date and rating when p-value is small.



By the visualizations of residuals hist plot, the residual are close-enough to being normal, and p-value is small enough so the ratings are increasing.

So the rates the cuteness of users' dog pictures with number score (out of 10) are pup inflation.