

Q&A Super AGI

Q2) a. We have too little data to conclude that A is better or worse than any other template with 95% confidence.

Q3) Time Complexity: $O(m*k + n)$

where, m is the number of training examples

k is the average number of non-zero entries in each train example

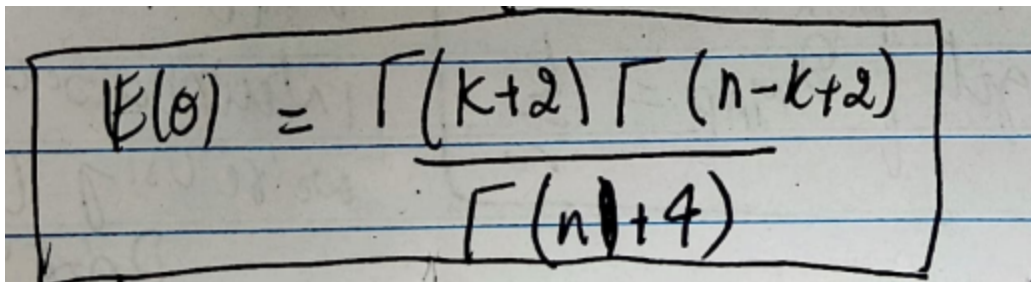
n is the number of features.

Q4)

Q5) Using a Binomial distribution as my likelihood, here are the estimates for p .

1. Maximum likelihood estimate (MLE) = k/n

2. Bayesian Estimate of mean =



A handwritten formula on lined paper, enclosed in a hand-drawn rectangular box. The formula is:
$$E(\theta) = \frac{\Gamma(k+2) \Gamma(n-k+2)}{\Gamma(n+4)}$$

1. MAP estimate with uniform likelihood is the same as MLE = k/n