David Murray bor Sadly Jathr MLRD Supo 2 work 2. Both files performed quite well. Filher 1

got 80 predictions currect and Filter 2 got
84. I would definitely choose filter 2 in practice though since I wouldn't want non-span to be flagged as span as I could miss important emails. Filter 2 only had I false possible in comparison to fitter I which had 16. Stotistical testing has accuracy A2. For an event E the chance of system!

beating system 2 is PR A; (1-A2),

The chance of 2 beating 1 is (1-A,)·Az and a tie is A, A2 + (1-A,)(1-A2). Assume we're brying to prove System I is significantly better than system 2.

Let's say we have Noutromes. Then k is the number of regalive obstromes (2 beak 1). That is k= (1-A,).A2. N+ \$(A,.A2) + (1-A,).(1-A2) .N. 1 neg events bies: 2 mondations of the

2. ? Maybe submact ties from number of ownomes and just compare positive and regative. Overtraining and cross-validation 1. mean = 82.2 Variany - 11.96 2. mean = 83.4 vaniana = 12.04 No since poconople in a when tested on 100 items you'd only expect system 2 to get the beat system 1 on 1 items and then get the rest as hies. Then we'd colculate the P(X < 49) which will be greeter than 0.5. 3. The "Wayne Roomy" effect— the opinion of the public on people or events can change over time. The words people ise change over

time as well.

Uncertainty and human agreement It can decrease the number of pairwise agreements which would decrease Pa and in hum decrease keeppa since K = Pa - Peto the majority operation.