## ,class,document

- 0,spam,"free,online,!!!,results,free"
- 1,ham,"results,repository,online,deadline,!!!"
- 2,spam,"!!!,online,paper,free,!!!,paper"
- 3,spam,"!!!,conference,registration,online,!!!,deadline"
- 4,spam,"free,call,free,registration,online"
- 5,ham,"conference,call,paper,registration,conference"
- 6,ham, "submission, deadline, conference, paper, call, deadline"

## ,word,ham,spam

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9,submission,0.05263157894736842,0.02631578947368421

10,free,0.02631578947368421,0.15789473684210525

## ,doc,hamprob

- 0,"free,online,!!!,results,free",0.026934954835582538
- 1,"results,repository,online,deadline,!!!",0.2154796386846603
- 2,"!!!,online,paper,free,!!!,paper",0.006379331408427443
- 3,"!!!,conference,registration,online,!!!,deadline",0.02268206722996424
- 4,"free,call,free,registration,online",0.04040243225337381
- 5,"conference,call,paper,registration,conference",0.9696583740809714
- 6,"submission,deadline,conference,paper,call,deadline",0.1020693025348391

,doc,hamprob,spamprob,class

- 0, "free, submission, online, !!!", 0.03180542563143124, 0.9681945743685687, spam
- 1, "conference, paper, submission, deadline", 0.8553459119496856, 0.14465408805031443, ham a submission of the conference of the confere

,doc,hamprob,spamprob,class

0,"conference,conference,conference,free",0.4963503649635036,0.5036496350364964,spam

