DISCRETE EXAMPLES

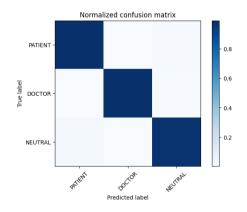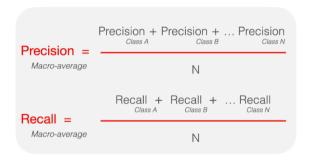|	Text	Score
DOCTOR	I am going to visit you	**0,5279**
	I am going to visit you and I force you to stay at home because you are sick	**0,9441**
	My intention is to visit you, and I strongly advise you to stay at home because of your illness	**0,9956**
	I'm going to pay you a visit, and it's important that you stay at home because you're not feeling well	**0,9972**
PATIENT	I suffer from an headache and I need to stay at home	**0,9884**
	I got flu and I need to stay at home	**0,9953**
	I'll be at home since I have a stomachache and need to rest.	**0,9972**
	I need to stay at home because I'm dealing with a cold	**0,9483**
NEUTRAL	I want to get married with Alice and live a happy life	**0,8583**
	Let' s move to the cinema. Having a good time with a fantastic movie!	**0,9990**
	I had a good time in Spain visiting the most impressive cities of this country	**0,9849**
	It was a great experience touring the most impressive cities in Finland	**0,9952**

TEST EXPERIMENTS

Get stats over the unknown test dataset using 8249 texts

Normalized confusion matrix

[[9.88e-01 3.72e-04 1.11e-02]
[1.38e-03 9.93e-01 5.53e-03]
[1.61e-02 3.00e-03 9.81e-01]]

Normalized confusion matrix

Macro Average Metrics

$$Precision = \frac{Precision_{Class\,A} + Precision_{Class\,B} + \ldots Precision_{Class\,N}}{N}$$

Macro-average

$$Recall = \frac{Recall_{Class\,A} + Recall_{Class\,B} + \ldots Recall_{Class\,N}}{N}$$

Macro-average

PRECISION_MACRO = TP / (TP + FP) = 0.987407

RECALL_MACRO = TP / (TP + FN) = 0.987477