

tag	accuracy	f1 score	accuracy for unknown words	accuracy for known words	number of unknown words	number of known words
A (إسم)	96.4 %	63.63 %	81.82 %	97.16 %	11	211
B (رقم)	100.0 %	100.0 %	100.0 %	100.0 %	6	205
C (إسم معرف)	96.18 %	97.43 %	80.0 %	97.89 %	15	142
D (إضافة)	92.36 %	67.93 %	85.71 %	93.01 %	14	143
E (منعوت)	100.0 %	100.0 %	100.0 %	100.0 %	5	141
F (نعت)	80.84 %	54.39 %	61.11 %	83.22 %	18	149
G (حرف جر)	97.87 %	49.46 %	NULL	97.87 %	0	47
H (إسم مجرور)	77.78 %	77.71 %	57.14 %	90.91 %	14	22
I (وحدة قياس)	100.0 %	100.0 %	100.0 %	100.0 %	3	114
J (واو العطف)	97.67 %	49.41 %	NULL	97.67 %	0	43
K (فعل مبني للمجهول)	79.17 %	58.19 %	66.67 %	80.95 %	3	21
L (المفعول المطلق)	100.0 %	100.0 %	NULL	100.0 %	0	1
M (أداة عطف غير واو العطف)	100.0 %	100.0 %	NULL	100.0 %	0	10
.	100.0 %	100.0 %	NULL	100.0 %	0	392

Table 1: Performances for each tag using a first order HMM for fold 5

tag	accuracy	f1 score	accuracy for unknown words	accuracy for known words	number of unknown words	unknown words percentage
0	94.77 %	67.67 %	67.78 %	96.33 %	78	9.67 %
1	92.96 %	65.52 %	63.93 %	95.14 %	107	13.26 %
2	94.03 %	67.36 %	69.9 %	95.68 %	88	10.9 %
3	93.95 %	87.84 %	62.65 %	95.64 %	75	9.29 %
4	92.91 %	87.29 %	66.99 %	94.54 %	92	11.4 %
5	95.78 %	69.61 %	76.4 %	96.83 %	83	10.29 %
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
Avg	-	-	-	-	-	-

Table 2: Performances using a first order HMM for fold 5