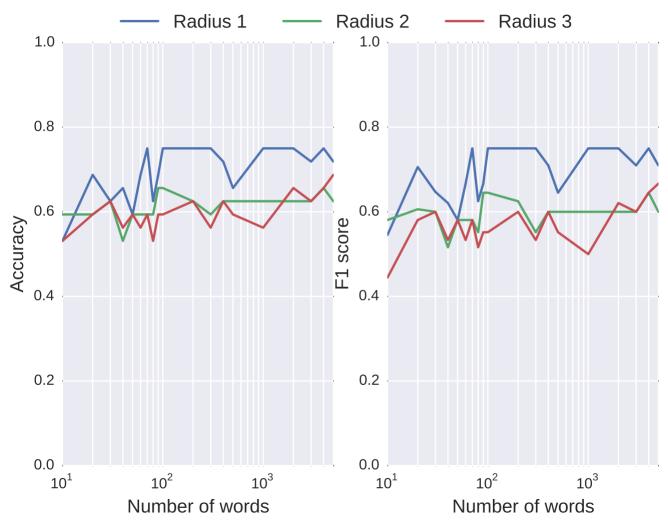
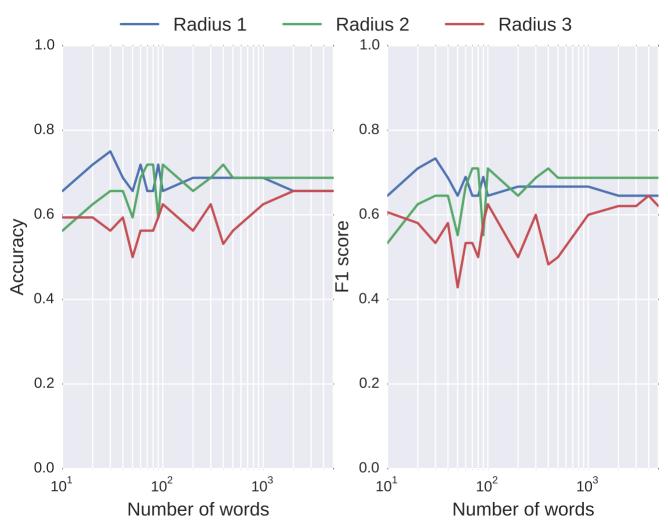
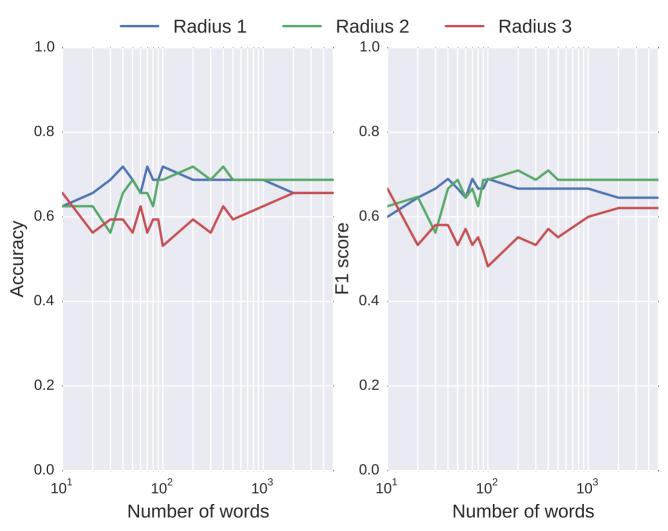
LBP + local + BoW + non-flatten



LBP + local + BoW + flatten



LBP + local + BoW + flatten-aligned



LBP + local + BoW + flatten-aligned-cropped Radius 1 Radius 2 Radius 3 1.0 1.0 0.8 8.0 0.6 0.6 Accuracy F1 score 0.4 0.4 0.2 0.2

0.0

10¹

10³

10²

Number of words

10³

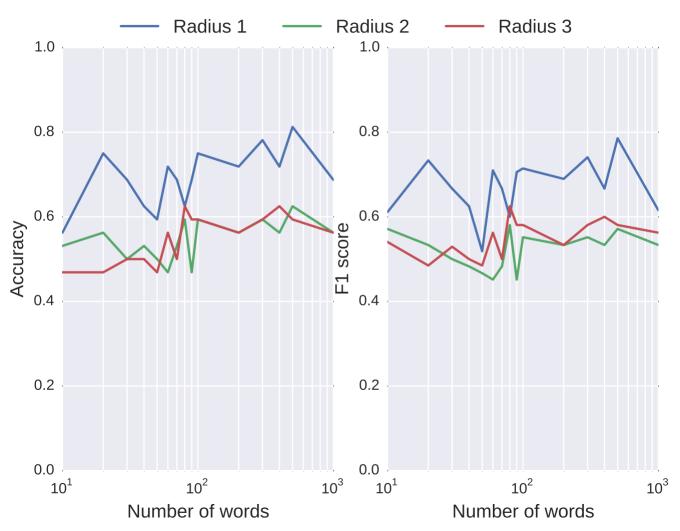
0.0

10¹

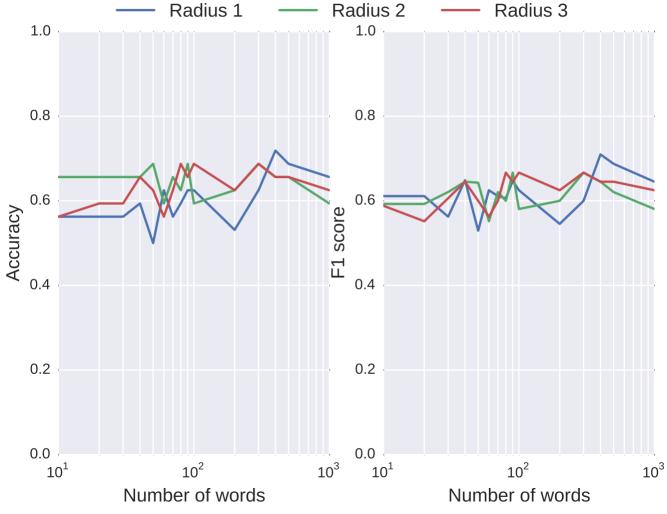
10²

Number of words

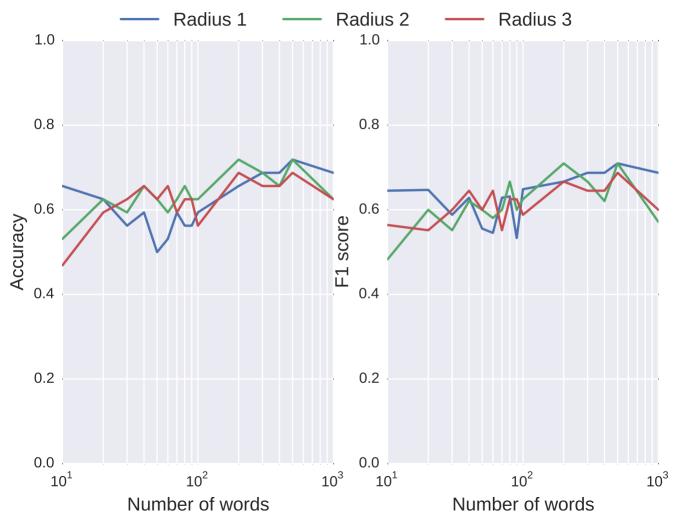
LBP + global + BoW + non-flatten



LBP + global + BoW + flatten



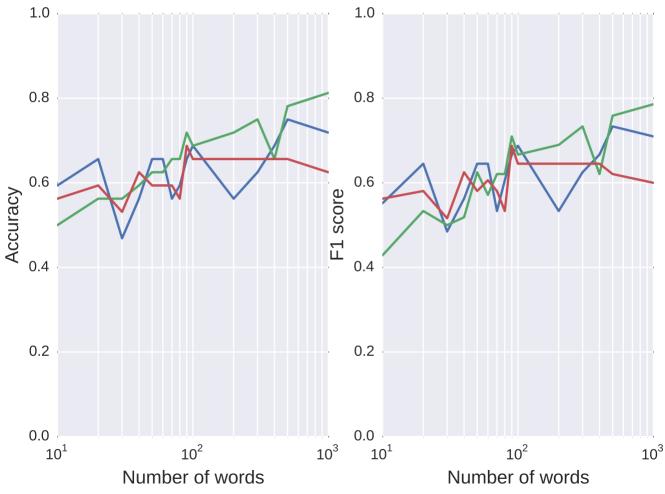
LBP + global + BoW + flatten-aligned



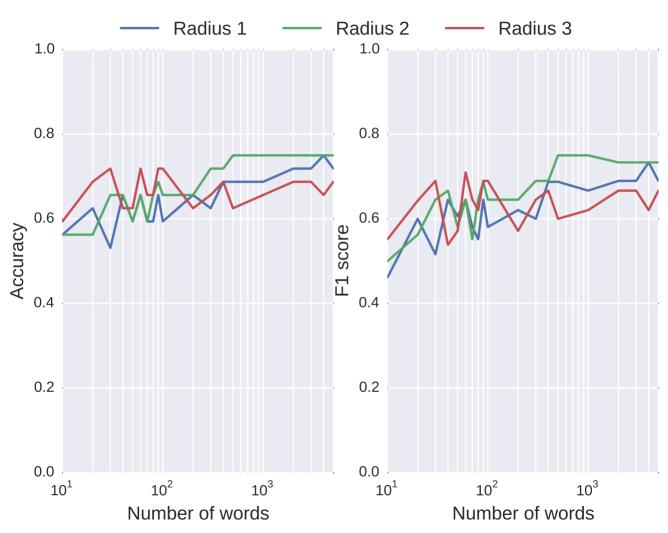
LBP + global + BoW + flatten-aligned-cropped

— Radius 1 — Radius 2 — Radius 3

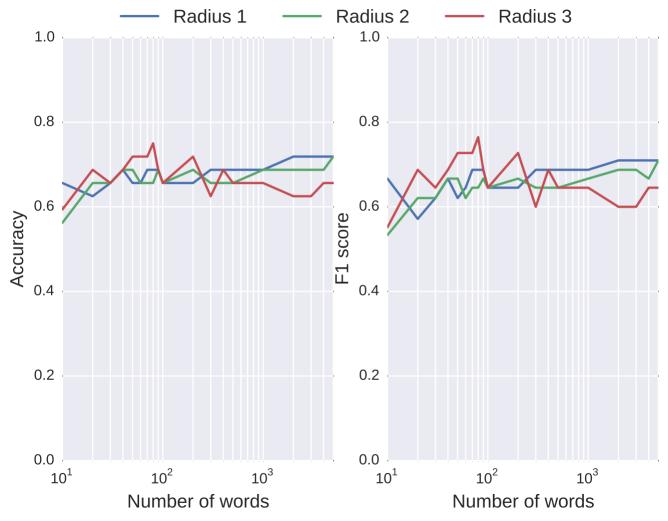
1.0



LBP-TOP + local + BoW + non-flatten



LBP-TOP + local + BoW + flatten



LBP-TOP + local + BoW + flatten-aligned Radius 1 Radius 2 Radius 3 1.0 1.0 8.0 8.0 Accuracy 9.0 0.6 F1 score 0.4 0.4 0.2 0.2 0.0 0.0 10² 10² 10¹ 10³ 10¹ 10³ Number of words Number of words

LBP-TOP + local + BoW + flatten-aligned-cropped Radius 1 Radius 2 Radius 3 1.0 1.0 8.0 8.0 0.6 0.6 Accuracy F1 score 0.4 0.4 0.2 0.2 0.0 0.0 10² 10² 10¹ 10³ 10¹ 10³ Number of words Number of words