

Supplementary Material

1 Slot-specific results of models

The following table gives slot-specific results of all those models for which we report only average F1 scores in the paper.

| | PATuschema | | SVMbow | | CNNpiece | | CNNpieceExt | |
|-----------------------|------------|------|--------|------|----------|------|-------------|------|
| | dev | eval | dev | eval | dev | eval | dev | eval |
| per:age | .65 | .77 | .84 | .75 | .85 | .74 | .86 | .76 |
| per:alternate_names | .40 | .18 | .35 | .02 | .21 | .04 | .27 | .04 |
| per:children | .11 | .07 | .71 | .43 | .73 | .49 | .77 | .56 |
| per:cause_of_death | .40 | .00 | .80 | .36 | .00 | .00 | .67 | .46 |
| per:date_of_birth | .64 | .57 | .99 | .67 | .99 | .67 | .99 | .77 |
| per:date_of_death | .24 | .10 | .78 | .50 | .77 | .48 | .76 | .41 |
| per:empl_memb_of | .32 | .24 | .43 | .34 | .39 | .30 | .40 | .26 |
| per:location_of_birth | .22 | .39 | .62 | .29 | .59 | .25 | .59 | .26 |
| per:loc_of_death | .08 | .00 | .64 | .27 | .63 | .32 | .64 | .34 |
| per:loc_of_residence | .26 | .32 | .28 | .27 | .19 | .21 | .18 | .21 |
| per:origin | .26 | .19 | .68 | .59 | .38 | .30 | .38 | .36 |
| per:parents | .26 | .36 | .51 | .63 | .50 | .48 | .44 | .34 |
| per:schools_att | .25 | .26 | .78 | .67 | .71 | .42 | .70 | .45 |
| per:siblings | .17 | .48 | .60 | .64 | .57 | .65 | .64 | .68 |
| per:spouse | .39 | .49 | .63 | .29 | .66 | .34 | .66 | .39 |
| per:title | .51 | .45 | .36 | .30 | .50 | .44 | .53 | .45 |
| org:alternate_names | .65 | .74 | .60 | .63 | .58 | .59 | .54 | .56 |
| org:date_founded | .44 | .53 | .61 | .59 | .65 | .62 | .65 | .69 |
| org:founded_by | .22 | .51 | .85 | .76 | .76 | .60 | .74 | .65 |
| org:loc_of_headqu | .43 | .38 | .43 | .44 | .39 | .42 | .40 | .40 |
| org:members | .03 | .29 | .49 | .16 | .46 | .06 | .56 | .06 |
| org:parents | .31 | .10 | .28 | .10 | .25 | .10 | .27 | .11 |
| org:subsidiaries | .20 | .13 | .33 | .24 | .18 | .40 | .15 | .39 |
| org:top_memb_empl | .45 | .38 | .51 | .57 | .44 | .48 | .43 | .52 |
| average | .33 | .33 | .59 | .44 | .52 | .39 | .55 | .42 |

Table 1: Performance on Slot Filling benchmark dataset (dev: data from 2012/2013, eval: from 2014).