

Approach	PPL dev	PPL eval
Unclustered	<b>247.18</b>	<b>252.37</b>
(1) Brown clusters	254.23	260.29
(2) Oc BrC 2k CS classes	248.07	253.01
(2) Oc BrC 4k CS classes	247.52	252.44
(2) Oc BrC 6k CS classes	247.47	252.53
(2) Oc BrC 1k EN + 1k MAN classes	248.40	253.78
(2) Oc BrC 2k EN + 2k MAN classes	247.89	252.84
(2) Oc BrC 3k EN + 3k MAN classes	247.56	252.61
(3) K-means clusters 1k EN + 1k MAN classes	249.13	254.13
(3) K-means clusters 2k EN + 2k MAN classes	248.26	253.18
(3) K-means clusters 3k EN + 3k MAN classes	247.97	252.81
(4) Spectral clusters 1k EN + 1k MAN classes	248.93	254.07
(4) Spectral clusters 2k EN + 2k MAN classes	248.31	252.94
(4) Spectral clusters 3k EN + 3k MAN classes	248.02	252.69
(5) Spectral clusters 1k CS classes	251.61	255.87
(5) Spectral clusters 2k CS classes	250.53	254.65
(5) Spectral clusters 3k CS classes	249.97	254.65
(6) ML spectral clusters 250 classes	249.04	254.61
(6) ML spectral clusters 500 classes	248.12	253.35
(6) ML spectral clusters 800 classes	247.24	252.60