

Method	region sizes	hyperparameter	word embedding	optimizer	test1 Top-1	test2 Top-1
Q-USER-CNN	(2,3,4)	100 200 1e-4	Word2Vec	SGD	78.77	84.26
	(2,3,4)	100 200 1e-5	Word2Vec	Adam	79.69	84.90
	(3,4,5)	100 200 1e-4	Word2Vec	SGD	78.79	84.41
	(3,4,5)	100 200 1e-5	Word2Vec	Adam	79.65	84.96
	(2,3,4,5)	100 200 1e-4	Word2Vec	Adam	79.92	85.24
	(2,3,4,5)	100 200 1e-5	Word2Vec	Adam	80.04	85.28
	(2,3,4)	100 200 1e-4	Glove	SGD	78.80	84.30
	(2,3,4)	100 200 1e-5	Glove	Adam	79.71	84.90
	(3,4,5)	100 200 1e-4	Glove	SGD	78.79	84.42
	(3,4,5)	100 200 1e-5	Glove	Adam	79.70	84.98
	(2,3,4,5)	100 200 1e-4	Glove	Adam	79.92	85.26
	(2,3,4,5)	100 200 1e-5	Glove	Adam	80.06	85.32
Q-A-CNN	(2,3,4)	100 200 1e-4	Word2Vec	SGD	77.22	82.81
	(2,3,4)	100 200 1e-5	Word2Vec	Adam	78.10	83.14
	(3,4,5)	100 200 1e-4	Word2Vec	SGD	77.24	82.81
	(3,4,5)	100 200 1e-5	Word2Vec	Adam	78.13	83.20
	(2,3,4,5)	100 200 1e-4	Word2Vec	Adam	78.69	83.88
	(2,3,4,5)	100 200 1e-5	Word2Vec	Adam	78.72	83.91
	(2,3,4)	100 200 1e-4	Glove	SGD	77.27	82.83
	(2,3,4)	100 200 1e-5	Glove	Adam	78.15	83.18
	(3,4,5)	100 200 1e-4	Glove	SGD	77.24	82.88
	(3,4,5)	100 200 1e-5	Glove	Adam	78.16	83.22
	(2,3,4,5)	100 200 1e-4	Glove	Adam	78.71	83.91
	(2,3,4,5)	100 200 1e-5	Glove	Adam	78.76	83.97