

Method	C-P	C-R	C-F1	O-P	O-R	O-F1
KNN	32.6	19.3	24.3	43.9	53.4	47.6
Softmax	31.7	31.2	31.4	47.8	59.5	53.0
WARP	31.7	35.6	33.5	48.6	60.5	53.9
CNN-RNN	40.5	30.4	34.7	49.9	61.7	55.2
Resnet-baseline	46.5	47.6	47.1	61.6	68.1	64.7
Frequency-first (w/ atten)	48.9	48.7	48.8	62.1	69.4	65.5
Rare-first (w/ atten)	53.9	51.8	52.8	55.1	65.2	59.8
Ours (w/o atten)	60.8	49.5	54.5	68.3	72.4	70.2
Ours	59.4	50.7	<b>54.7</b>	69.0	71.4	<b>70.2</b>