entity_results

(a pronoun entity merely has ANY token that's a pronoun)

			# event pairs	# ent pairs
TRAIN	SOLO	48.16	8512	13679
	BOTH	48.52		
	ENTITIES	EVENTS		
	TEST			

NO PRONOUNS; 10 runs ensemble					add flag for entity or event pair	
TRAIN	TEST	DROP	EPOCHS	F1		
ENTITIES	ENTITIES	0.4	20	48.11		
ENTITIES	ENTITIES	0.4	5	48.16		
ENTITIES	ENTITIES	0.4	3	46.84		
ENTITIES	ENTITIES	0	20	47.99		
ENTITIES	ENTITIES	0	5	47.23		
ENTITIES	ENTITIES	0	3	47.51		
ENTITIES + EVENTS	ENTITIES	0.4	20	47.78		
ENTITIES + EVENTS	ENTITIES	0.4	5	48.46		
ENTITIES + EVENTS	ENTITIES	0.4	3	47.65		
ENTITIES + EVENTS	ENTITIES	0	20	48.98	46.3	45.88
ENTITIES + EVENTS	ENTITIES	0	5	48.52		
ENTITIES + EVENTS	ENTITIES	0	3	46.81		
EVENTS	EVENTS	0.4	20	63.97		
EVENTS	EVENTS	0.4	5	62.94		
EVENTS	EVENTS	0.4	3	62.59		
EVENTS	EVENTS	0	20	64.22		
EVENTS	EVENTS	0	5	63.18		
EVENTS	EVENTS	0	3	63.18		
ENTITIES + EVENTS	EVENTS	0.4	20	62.35		
ENTITIES + EVENTS	EVENTS	0.4	5	61.54		
ENTITIES + EVENTS	EVENTS	0.4	3	--		

entity_results

ENTITIES + EVENTS	EVENTS	0	20	63.28		
ENTITIES + EVENTS	EVENTS	0	5	62.5		
ENTITIES + EVENTS	EVENTS	0	3	--		
ENTITIES + EVENTS	ENTITIES + EVENTS	0	20	53.15	52.23	
					52.14	EVENTS: 62.2 ENTS: 45.6

ORIGINAL: 64.59

ONLY EVENT PAIRS WITH PATHS TO ENTITIES:			
events		entities	
WD	CD	WD	CD
67.61		46.71	
69.31		46.31	
68.26			
68.5			

ORIGINAL — 67.61 / 46.71
SUPP (GOLD ENT + shortest paths) — 69.31 / 46.31
SUPP (INIT 0.5 ENT + shortest paths) — 68.26
UPP (PRED ENT @ 0.9 + shortest paths) — 68.5

67.95 was my 0.9

				TRAINING			GOLD	
TYPE	EVENT PRONOUNS?	ENTITY PRONOUNS?	PATHS	# STARTING MENTIONS	# USED MENTIONS	# POSITIVE MENTION PAIRS	F1	F1
events	yes	-	none	2104	1894	532	61.75 (20 runs)	-
events	no	-	none	2091	1843	510	63.70 (20 runs)	-
events	yes	yes	shortest	2104	1196	256	68.22 (20 runs)	68.72 (20 runs)
events	yes	no	shortest	2104	1120	236	70.20 (20 runs)	70.49 (20 runs)
events	no	yes	shortest	2091	1197	256	67.98 (20 runs)	67.96 (20 runs)
events	no	no	shortest	2091	1132	236	70.69 (20 runs)	71.94 (20 runs)
entities	-	yes	none	2848	2805	1357	46.90 (20 runs)	-
entities	-	no	none	2660	2564	909	48.39 (20 runs)	-
entities	yes	yes	shortest	2848	2005	820	49.42 (20 runs)	
entities	no	yes	shortest	2848	2034	820	47.06 (20 runs)	
entities	yes	no	shortest	2660	1774	525	47.44 (20 runs)	
entities	no	no	shortest	2660	1781	525	48.71 (20 runs)	48.18 (20 runs)

ENTIRE CORPUS (all)   **ENTIRE CORPUS (all)**

events	entities		P(event)	0.111357587
	YES	NO	P(event|entity)	0.250551876
YES	454	299	P(~event|entity)	0.749448124
NO	1358	4651	P(~event|~entity)	0.93959596
			P(event|~entity)	0.06040404

DEV + TEST (all)			**DEV + TEST (all)**	
events	entities		P(event)	0.128992016
	YES	NO	P(event|entity)	0.285843102
YES	317	200	P(~event|entity)	0.714156898
NO	792	2699	P(~event|~entity)	0.931010693
			P(event|~entity)	0.068989307

DEV (wrong pairs)			**DEV (wrong pairs)**	
events	entities		P(event)	0.302325581
	YES	NO	P(event|entity)	1
YES	6	7	P(~event|entity)	0
NO	0	30	P(~event|~entity)	0.810810811
			P(event|~entity)	0.189189189

TEST (wrong pairs)			**TEST (wrong pairs)**	
events	entities		P(event)	0.84375
	YES	NO	P(event|entity)	0.798319328
YES	95	94	P(~event|entity)	0.201680672
NO	24	11	P(~event|~entity)	0.104761905
			P(event|~entity)	0.895238095

	TOTAL	# RIGHT	# WRONG
DEV	403	360	43
TEST	3605	3377	228

entity_results

DIFF
F1
-
-
0.5
0.29
-0.02
1.25
-
-

P(entity) 0.267968057
P(entity|event) 0.602921647