BERT single sentence

		Determiner-Noun	Subject-Verb					
Types of agreements(train/test)	Anaphor agreement	agreement	agreement					
Anaphor agreement	n/a	0.532	0.501					
Determiner-Noun agreement	0.511	n/a	0.513					
Subject-Verb agreement	0.509	0.609	n/a					
, ,			,					
Involve anaphors	Anaphor agreement	Binding						
Anaphor agreement	n/a	0.492						
Binding	0.602	n/a						
Compositional semantic anomaly	NPI licensing	Quantifiers						
NPI licensing	n/a	0.5112						
Quantifiers	0.508	n/a						
Involve structural movement	Island effects	Filler gap						
Island effects	n/a	0.529						
Filler gap	0.54	n/a						
Lexical semantic properties	Argument structure	Control/Raising						
Argument structure	n/a	0.501						
Control/Raising	0.527	n/a						
involve existential there conditions	Control/Raising	Quantifiers						
Control/Raising	n/a	0.512						
Quantifiers	0.499	n/a						
	Subject-Verb			Control/Raisin	Bindin			
Involve structural knowledge	agreement	Island effects	Filler gap	g	g			
Subject-Verb agreement	n/a	0.5576	0.5447	0.528	0.504			
Island effects	0.574	n/a	0.529	0.526	0.519			
Filler gap	0.571	0.54	n/a	0.518	0.555			
Control/Raising	0.614	0.5337	0.5553	n/a	0.501			
Binding	0.6	0.611	0.512	0.492	n/a			
What can or cannot be extracted from a								
phrase	Ellipsis	Island effects						
Ellipsis	n/a	0.487						
Island effects	0.494	n/a						
13.33.3	0.131	- 4 -						
		<u>I</u>	<u> </u>	l	l	l	1	1

									CoL
	cat1	cat2	cat3	cat4	cat5	cat6	cat7	cat8	Α
						0.57	0.51	0.50	0.49
cat1	n/a	0.511	0.537	0.541	0.555	6	1	8	9
cat2	0.508	n/a	0.51	0.487	0.491	0.501	0.522	0.497	0.433
cat3	0.571	0.555	n/a	0.552	0.541	0.493	0.501	0.504	0.471
cat4	0.519	0.551	0.553	n/a	0.544	0.533	0.518	0.485	0.444
cat5	0.552	0.503	0.531	0.465	n/a	0.476	0.437	0	0.424
cat6	0.544	0.538	0.533	0.487	0.444	n/a	0.481	0.503	0.467
cat7	0.555	0.541	0.591	0.472	0.448	0.44	n/a	0.411	0.399
cat8	0.578	0.532	0.544	0.511	0.566	0.488	0.458	n/a	0.41
	remain	CoLA							
exclude_cat1	0.555	0.471							
exclude_cat2	0.531	0.387							
exclude_cat3	0.488	0.376							
exclude_cat4	0.476	0.337							
exclude_cat5	0.552	0.401							
exclude_cat6	0.583	0.377							
exclude_cat7	0.551	0.39							
exclude_cat8	0.498	0.371	•						

BERT pairwise

		Determiner-Noun	Subject-Verb					
Types of agreements(train/test)	Anaphor agreement	agreement	agreement					
Anaphor agreement	n/a	0.142	0.149					
Determiner-Noun agreement	0.211	n/a	0.2					
Subject-Verb agreement	0.1	0.252	n/a					
, ,			,					
Involve anaphors	Anaphor agreement	Binding						
Anaphor agreement	n/a	0.021						
Binding	0.019	n/a						
Compositional semantic anomaly	NPI licensing	Quantifiers						
NPI licensing	n/a	0.138						
Quantifiers	0.13	n/a						
Involve structural movement	Island effects	Filler gap						
Island effects	n/a	0.081						
Filler gap	0.088	n/a						
Lexical semantic properties	Argument structure	Control/Raising						
Argument structure	n/a	0.191						
Control/Raising	0.211	n/a						
involve existential there conditions	Control/Raising	Quantifiers						
Control/Raising	n/a	0.14						
Quantifiers	0.134	n/a						
	Subject-Verb			Control/Raisin	Bindin			
Involve structural knowledge	agreement	Island effects	Filler gap	g	g			
Subject-Verb agreement	n/a	0.201	0.162	0.111	0.209			
Island effects	0.208	n/a	0.189	0.198	0.111			
Filler gap	0.221	0.199	n/a	0.213	0.099			
Control/Raising	0.282	0.162	0.187	n/a	0.122			
Binding	0.183	0.077	0.071	0.076	n/a			
What can or cannot be extracted from a								
phrase	Ellipsis	Island effects						
Ellipsis	n/a	0.092						
Island effects	0.112	n/a						
	5:222	,						
	ı	1	1	1			·	

									CoL
	cat1	cat2	cat3	cat4	cat5	cat6	cat7	cat8	Α
						0.21	0.21	0.26	
cat1	0.287	0.221	0.271	0.274	0.265	3	5	5	0.2
cat2	0.281	0.186	0.197	0.208	0.205	0.208	0.211	0.213	0.205
cat3	0.298	0.199	0.165	0.193	0.208	0.201	0.202	0.233	0.238
cat4	0.201	0.265	0.193	0.197	0.196	0.211	0.221	0.235	0.21
cat5	0.198	0.193	0.194	0.155	0.177	0.204	0.207	0.208	0.198
cat6	0.176	0.187	0.183	0.199	0.204	0.203	0.193	0.176	0.201
cat7	0.165	0.182	0.189	0.201	0.222	0.204	0.206	0.199	0.206
cat8	0.188	0.172	0.21	0.194	0.177	0.179	0.184	0.193	0.195
	remain	CoLA							
exclude_cat1	0.276	0.224							
exclude_cat2	0.222	0.231							
exclude_cat3	0.244	0.165							
exclude_cat4	0.198	0.187							
exclude_cat5	0.197	0.201							
exclude_cat6	0.207	0.204							
exclude_cat7	0.212	0.198							
exclude_cat8	0.208	0.193							

RoBERTa single

		Determiner-Noun	Subject-Verb				
Types of agreements(train/test)	Anaphor agreement	agreement	agreement				
Anaphor agreement	n/a	0.532	0.604				
Determiner-Noun agreement	0.444	n/a	0.633				
Subject-Verb agreement	0.51	0.609	n/a				
			, ,				
Involve anaphors	Anaphor agreement	Binding					
Anaphor agreement	n/a	0.498					
Binding	0.55	n/a					
Compositional semantic anomaly	NPI licensing	Quantifiers					
NPI licensing	n/a	0.495					
Quantifiers	0.501	n/a					
Involve structural movement	Island effects	Filler gap					
Island effects	n/a	0.501					
Filler gap	0.5	n/a					
Lexical semantic properties	Argument structure	Control/Raising					
Argument structure	n/a	0.456					
Control/Raising	0.488	n/a					
involve existential there conditions	Control/Raising	Quantifiers					
Control/Raising	n/a	0.503					
Quantifiers	0.505	n/a					
to other development and the	Subject-Verb	Internal office to	F:11	Control/Raisin	Bindin		
Involve structural knowledge	agreement	Island effects 0.5576	Filler gap	g 0.519	g 0.401		
Subject-Verb agreement	n/a 0.601	n/a	0.5447 0.477	0.519	0.401 0.487		
Island effects							
Filler gap	0.566	0.466	n/a	0.481	0.472 0.522		
Control/Raising	0.488 0.541	0.501	0.499 0.519	n/a 0.398			
Binding	0.541	0.501	0.519	0.398	n/a		
What can or cannot be extracted from a							
phrase	Ellipsis	Island effects					
Ellipsis	n/a	0.412					
Island effects	0.444	n/a					
	•		•				

									CoL
	cat1	cat2	cat3	cat4	cat5	cat6	cat7	cat8	Α
						0.50	0.42	0.38	0.53
cat1	n/a	0.517	0.511	0.499	0.512	8	6	9	7
cat2	0.514	n/a	0.433	0.487	0.419	0.488	0.444	0.511	0.399
cat3	0.519	0.5	n/a	0.499	0.527	0.514	0.522	0.497	0.301
cat4	0.567	0.411	0.288	n/a	0.299	0.387	0.501	0.432	0.289
cat5	0.53	0.499	0.422	0.411	n/a	0.399	0.389	0.411	0.387
cat6	0.299	0.287	0.277	0.276		n/a	0.288	0.381	0.36
cat7	0.286	0.301	0.339	0.399	0.411	0.397	n/a	0.501	0.428
cat8	0.488	0.421	0.392	0.421	0.442	0.441	0.383	n/a	0.411
	remain	CoLA							
exclude_cat1	0.388	0.401							
exclude_cat2	0.311	0.3							
exclude_cat3	0.313	0.311							
exclude_cat4	0.377	0.321							
exclude_cat5	0.401	0.333							
exclude_cat6	0.288	0.298							
exclude_cat7	0.293	0.266							
exclude_cat8	0.301	0.271							

RoBERTa pairwise

		Determiner-Noun	Subject-Verb				
Types of agreements(train/test)	Anaphor agreement	agreement	agreement				
Anaphor agreement	n/a	0.0062	0.024				
Determiner-Noun agreement	0.177	n/a	0.182				
Subject-Verb agreement	0.158	0.431	n/a				
Involve anaphors	Anaphor agreement	Binding					
Anaphor agreement	n/a	0.012					
Binding	0.011	n/a					
Compositional semantic anomaly	NPI licensing	Quantifiers					
NPI licensing	n/a	0.0177					
Quantifiers	0.0137	n/a					
Involve structural movement	Island effects	Filler gap					
Island effects	n/a	0.083					
Filler gap	0.113	n/a					
Lexical semantic properties	Argument structure	Control/Raising					
Argument structure	n/a	0.065					
Control/Raising	0.055	n/a					
Control/Raising	0.055	11/ d					
involve existential there conditions	Control/Raising	Quantifiers					
Control/Raising	n/a	0.00625					
Quantifiers	0.0082	n/a					
	Subject-Verb			Control/Raisin	Bindin		
Involve structural knowledge	agreement	Island effects	Filler gap	g	g		
Subject-Verb agreement	n/a	0.073	0.237	0.112	0.009		
Island effects	0.092	n/a	0.076	0.044	0.009		
Filler gap	0.122	0.133	n/a	0.076	0.111		
Control/Raising	0.068	0.0358	0.0988	n/a	0.012		
Binding	0.172	0.111	0.066	0.101	n/a		
What can or cannot be extracted from a							
phrase	Ellipsis	Island effects					
Ellipsis	n/a	0.014					
Island effects	0.019	n/a					

									CoL
	cat1	cat2	cat3	cat4	cat5	cat6	cat7	cat8	Α
						0.20	0.20	0.10	
cat1	0.08	0.088	0.065	0.108	0.103	3	1	9	0.1
cat2	0.099	0.103	0.106	0.103	0.104	0.099	0.101	0.104	0.103
cat3	0.101	0.079	0.089	0.101	0.086	0.089	0.091	0.103	0.127
cat4	0.145	0.133	0.111	0.096	0.097	0.104	0.109	0.102	0.114
cat5	0.201	0.2	0.196	0.144	0.174	0.099	0.101	0.104	0.108
cat6	0.122	0.121	0.128	0.088	0.089	0.088	0.096	0.089	0.1
cat7									
cat8									
	remain	CoLA							
exclude_cat1	0.111	0.103							
exclude_cat2	0.121	0.101							
exclude_cat3	0.122	0.105							
exclude_cat4	0.114	0.11							
exclude_cat5	0.113	0.097							
exclude_cat6	0.115	0.099							
exclude_cat7	0.09	0.101							
exclude_cat8	0.106	0.1							