

Team (Entry)	Model type	Objective function	Additional techniques
baseline	LSTM	Cross entropy	
team_1 (1)			
team_1 (2)			
team_2 (1)	BLSTM+LSTM	Adversarial	Example-based method
team_2 (2)	LSTM	Cross entropy	Example-based method
team_2 (3)	BLSTM+LSTM	Adversarial+CosineSimilarity	Example-based method
team_2 (4)	BLSTM+LSTM	Adversarial	
team_2 (5)	BLSTM+LSTM+HRED	Cross entropy	MBR system combination
team_3 (1)	LSTM	Cross entropy	
team_3 (2)	2LDTM + attention	Cross entropy on diversified data	
team_3 (3)	2LSTM + attention	Cross entropy (tuned with trial data <sup>+</sup> )	
team_3 (4)	GWGM + attention	Cross entropy	
team_3 (5)	SEARG	Cross entropy	Knowledge enhancement
team_4 (1)	LSTM	Cross entropy	Word embedding in encoder
team_5 (1)	LSTM	MMI maxdiv	
team_5 (2)	LSTM	MMI maxBLEU (tuned with MERT)	
team_5 (3)	LSTM	MMI mixed (maxdiv + maxBLEU)	
team_5 (4)	LSTM	MMI uniform	
team_5 (5)	LSTM	Cross entropy	Greedy search for candidate
team_6 (1)			

<sup>+</sup>Trial data cannot be used for official evaluation. The results are not official.