

Seq2Seq Model	Word Representation	Hidden Dim	Color Representation							
			Fourier		ResNet18		ResNet18 + Fourier		ResNet50 + Fourier	
			Accuracy	Bleu Score	Accuracy	Bleu Score	Accuracy	Bleu Score	Accuracy	Bleu Score
2 GRU	GloVe	50	0.9065	0.7205						
GRU	GloVe	50	0.9109	0.7196						
		250	0.9099	0.7208						
	GloVe Pre-trained Embeddings	50			0.3648	0.5353	0.8996	0.7087		
	BERT Pre-trained Embeddings	50	0.9035	0.6638	0.8518	0.6337	0.9020	0.6447	0.8971	0.6450
	RoBERTa Pre-trained Embeddings	50	0.9143	0.6813	0.8390	0.5414	0.8922	0.5462		
	ELECTRA Pre-trained Embeddings	50	0.8936	0.6366	0.4673	0.4671	0.5766	0.5064		
		250	0.9158	0.7919			0.9148	0.7844		
	XLNet Pre-trained Embeddings	50	0.9035	0.6462	0.3614	0.3647	0.8996	0.6347		
		250	0.9079	0.7742			0.9143	0.7634		
	BERT Contextual Embeddings (CLS)	50	0.3727	0.0607						
	BERT Contextual Embeddings (Last 4 hidden layers sum)	50	0.9143	0.1007						
	BERT Contextual Embeddings (Layer 12)	50	0.3658	0.4166						
	BERT Contextual Embeddings (Pre-trained & CLS combined)	50	0.3412	0.0536						
	BERT Contextual Embeddings (Pre-trained & CLS sum)	50	0.3584	0.0730						
	BERT Contextual Embeddings (Pre-trained & Layer 12 combined)	50	0.3594	0.0501						
LSTM	GloVe	50	0.9242	0.7219						
		250	0.9183	0.7182						
	BERT Pre-trained Embeddings	50	0.9069	0.7751	0.3471	0.6167	0.9148	0.7720		
	RoBERTa Pre-trained Embeddings	50	1.0000	0.1427	1.0000	0.2000	0.9084	0.5538		
	ELECTRA Pre-trained Embeddings	50	0.9232	0.7869	0.8936	0.7840	0.9060	0.6671		
		250	0.9247	0.7907			0.9257	0.7889		
	XLNet Pre-trained Embeddings	50	0.9089	0.7686	0.8671	0.7534	0.9158	0.6411		
		250	0.9148	0.7657			0.9143	0.7634		