

Using Embedding Model	Baseline Configuration (Default & Balanced) - Case 1			High-Diversity Extraction (More Keywords, More Variety) - Case 2			Conservative & High Precision (Strict & Relevant) - Case 3			Extreme Coverage (Very Many Keywords, Maximal Recall) - Case 4		
	Parameters	Similarity Metric	Output value	Parameters	Similarity Metric	Output value	Parameters	Similarity Metric	Output value	Parameters	Similarity Metric	Output value
sentence-transformers: SentenceTransformer("all-MiniLM-L6-v2")		Rouge	rouge1: 0.3019 rouge2: 0.0306 rougeL: 0.2155		Rouge	rouge1: 0.3919 rouge2: 0.1349 rougeL: 0.2502		Rouge	rouge1: 0.2118 rouge2: 0.0219 rougeL: 0.1758		Rouge	rouge1: 0.3057 rouge2: 0.0995 rougeL: 0.1956
		Cosine Similarity	0.6304		Cosine Similarity	0.7183		Cosine Similarity	0.9703		Cosine Similarity	0.6807
"fair": TransformerDocumentEmbeddings("bert-base-uncased")		Rouge	rouge1: 0.2077 rouge2: 0.0101 rougeL: 0.1499		Rouge	rouge1: 0.2826 rouge2: 0.0788 rougeL: 0.1879		Rouge	rouge1: 0.1487 rouge2: 0.0070 rougeL: 0.1214		Rouge	rouge1: 0.2878 rouge2: 0.0922 rougeL: 0.1828
		Cosine Similarity	0.4551		Cosine Similarity	0.5855		Cosine Similarity	0.3839		Cosine Similarity	0.6449
"spacy": spacy.load("en_core_web_md")		Rouge	rouge1: 0.1450 rouge2: 0.0061 rougeL: 0.111		Rouge	rouge1: 0.1680 rouge2: 0.0107 rougeL: 0.1180		Rouge	rouge1: 0.0951 rouge2: 0.0043 rougeL: 0.0805		Rouge	rouge1: 0.1995 rouge2: 0.0154 rougeL: 0.1287
		Cosine Similarity	0.3226		Cosine Similarity	0.4005		Cosine Similarity	0.2459		Cosine Similarity	0.4555
"gensim": api.load("glove-wiki-gigaword-100")	"keyphrase_ngram_range": (1, 1), "top_n": 5, "stop_words": "english", "use_mm": False	Rouge	rouge1: 0.0709 rouge2: 0.0017 rougeL: 0.0587	"keyphrase_ngram_range": (1, 2), "top_n": 10, "stop_words": None, "use_mm": True, "diversity": 0.7	Rouge	rouge1: 0.2657 rouge2: 0.0275 rougeL: 0.1676	"keyphrase_ngram_range": (1, 1), "top_n": 3, "stop_words": "english", "use_mm": False	Rouge	rouge1: 0.0416 rouge2: 0.0001 rougeL: 0.0288	"keyphrase_ngram_range": (1, 3), "top_n": 15, "stop_words": None, "use_mm": True, "diversity": 1.0	Rouge	rouge1: 0.3232 rouge2: 0.0252 rougeL: 0.1819
		Cosine Similarity	0.1457		Cosine Similarity	0.5454		Cosine Similarity	0.0957		Cosine Similarity	0.8132
"use": hub.load("https://hub.dev.google/universal-sentence-encoder/4")		Rouge	rouge1: 0.2513 rouge2: 0.0196 rougeL: 0.1861		Rouge	rouge1: 0.2838 rouge2: 0.0740 rougeL: 0.1924		Rouge	rouge1: 0.1826 rouge2: 0.0149 rougeL: 0.1521		Rouge	rouge1: 0.2849 rouge2: 0.0926 rougeL: 0.1755
		Cosine Similarity	0.5229		Cosine Similarity	0.618		Cosine Similarity	0.4547		Cosine Similarity	0.6579
"roberta": TransformerDocumentEmbeddings("roberta-base")		Rouge	rouge1: 0.1433 rouge2: 0.0042 rougeL: 0.1134		Rouge	rouge1: 0.1729 rouge2: 0.0309 rougeL: 0.1261		Rouge	rouge1: 0.1012 rouge2: 0.0054 rougeL: 0.0881		Rouge	rouge1: 0.2079 rouge2: 0.0463 rougeL: 0.1368
		Cosine Similarity	0.322		Cosine Similarity	0.4560		Cosine Similarity	0.2534		Cosine Similarity	0.5439
"bert-keyword-extractor": "yanyekyu/bert-keyword-extractor"		Rouge	rouge1: 0.2723 rouge2: 0.0269 rougeL: 0.2017		Rouge	rouge1: 0.3581 rouge2: 0.1150 rougeL: 0.2364		Rouge	rouge1: 0.1941 rouge2: 0.0181 rougeL: 0.1631		Rouge	rouge1: 0.3037 rouge2: 0.0903 rougeL: 0.1945
		Cosine Similarity	0.5636		Cosine Similarity	0.6816		Cosine Similarity	0.4889		Cosine Similarity	0.8771
"v15-base-keywords": "voicelab/v15-base-keywords"		Rouge	rouge1: 0.3860 rouge2: 0.2245 rougeL: 0.3065		Rouge	rouge1: 0.3886 rouge2: 0.2286 rougeL: 0.3063		Rouge	rouge1: 0.2948 rouge2: 0.1940 rougeL: 0.2535		Rouge	rouge1: 0.3777 rouge2: 0.2193 rougeL: 0.2995
		Cosine Similarity	0.639		Cosine Similarity	0.6413		Cosine Similarity	0.5621		Cosine Similarity	0.6331
"t5": "t5-small"	"max_length": 50, "num_beams": 3, "temperature": 1.0, "top_k": 50, "top_p": 0.9, "repetition_penalty": 1.2, "top_sample": True	Rouge	rouge1: 0.2716 rouge2: 0.1263 rougeL: 0.2143	"max_length": 60, "num_beams": 5, "temperature": 1.5, "top_k": 100, "top_p": 0.95, "repetition_penalty": 1.1	Rouge	rouge1: 0.2751 rouge2: 0.1283 rougeL: 0.2161	"max_length": 30, "num_beams": 1, "top_k": 10, "top_p": 0.8, "repetition_penalty": 1.5	Rouge	rouge1: 0.2320 rouge2: 0.1042 rougeL: 0.1905	"max_length": 100, "num_beams": 5, "temperature": 1.8, "top_k": 200, "top_p": 0.99, "repetition_penalty": 1.0	Rouge	rouge1: 0.2726 rouge2: 0.1285 rougeL: 0.2135
		Cosine Similarity	0.6181		Cosine Similarity	0.6322		Cosine Similarity	0.5343		Cosine Similarity	0.6669
"bart": "facebook/bart-large-cnn"		Rouge	rouge1: 0.3065 rouge2: 0.1503 rougeL: 0.2403		Rouge	rouge1: 0.3121 rouge2: 0.1544 rougeL: 0.2428		Rouge	rouge1: 0.2834 rouge2: 0.1358 rougeL: 0.2339		Rouge	rouge1: 0.3139 rouge2: 0.1559 rougeL: 0.2425
		Cosine Similarity	0.695		Cosine Similarity	0.7146		Cosine Similarity	0.6331		Cosine Similarity	0.7299