

Document Summarization | Assignment 2

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TOPIC	Degree Centrality: Rouge-1 (threshold = 0.1, 0.2, 0.3)	Degree Centrality: Rouge-2 (threshold = 0.1, 0.2, 0.3)	Degree Centrality: Rouge-L (threshold = 0.1, 0.2, 0.3)	TextRank: Rouge-1 (threshold = 0.1, 0.2, 0.3)	TextRank: Rouge-2 (threshold = 0.1, 0.2, 0.3)	TextRank: Rouge-L (threshold = 0.1, 0.2, 0.3)
Topic 1	0.0743, 0.0669, 0.0716	0.0392, 0.0386, 0.0365	0.0744, 0.0669, 0.0717	0.0845, 0.0683, 0.0703	0.0480, 0.0494, 0.0453	0.0845, 0.0683, 0.0703
Topic 2	0.0918, 0.0874, 0.0750	0.0531, 0.0477, 0.0441	0.0917, 0.0873, 0.0750	0.1069, 0.0666, 0.08688	0.0715, 0.0456, 0.0508	0.1069, 0.0665, 0.0869
Topic 3	0.0693, 0.0713, 0.0551	0.0383, 0.0387, 0.0272	0.0693, 0.0713, 0.0551	0.0581, 0.0736, 0.0713	0.0312, 0.0504, 0.0451	0.0581, 0.0736, 0.0714
Topic 4	0.1087, 0.0844, 0.0966	0.0926, 0.0692, 0.0839	0.1087, 0.0844, 0.0966	0.1136, 0.0926, 0.1089	0.0886, 0.0742, 0.0905	0.1136, 0.0926, 0.1089
Topic 5	0.0823, 0.0761, 0.0624	0.0418, 0.0336, 0.0212	0.0822, 0.0761, 0.0624	0.0795, 0.0637, 0.0727	0.05278, 0.0350, 0.0391	0.0796, 0.0637, 0.0727

Fig. : Table I

The tuple in each table entry corresponds to the recall score corresponding to threshold=0.1,0.2,0.3 (in this very order).

The precision and f-measure values can be found in the attached 'RougeEvaluation' notebook.

Read Me

- ❖ To run the scripts/ notebook, the 'Assignment2_IR' directory (containing the ground truth and the topics folder as was provided with the assignment) and the scripts need to be in the same directory.
- ❖ Package used for rouge: <https://pypi.python.org/pypi/rouge/0.2.1>