

Next Sentence Prediction helps Implicit Discourse Relation Classification within and across Domains

1 Supplementary Material

Method		Comp.	Cont.	Exp.	Temp.	Average
Naïve Bayes	[Xu et al., 2012]	7.69(61.45)	3.88(60.24)	68.54(55.02)	17.19(57.43)	24.33(58.54)
MaxEnt	[Xu et al., 2012]	7.08(57.83)	3.36(53.82)	72.32(60.64)	23.81(61.45)	26.64(58.44)
BERT		8.25(63.82)	10.26(71.54)	90.20(86.18)	63.41(87.80)	43.03(77.34)

Table 1: F_1 -score (Accuracy) of binary classification on level 1 implicit relation in BioDRB.

References

- [Xu et al., 2012] Xu, Y., Lan, M., Lu, Y., Niu, Z. Y., and Tan, C. L. (2012). Connective prediction using machine learning for implicit discourse relation classification. In *Neural Networks (IJCNN), The 2012 International Joint Conference on*, pages 1–8. IEEE.