

Further Improvement of BM25

- BM25F [Robertson & Zaragoza 09]
 - Use BM25 for documents with structures (“F”=fields)
 - Key idea: combine the frequency counts of terms in all fields and then apply BM25 (instead of the other way)
- BM25+ [Lv & Zhai 11]
 - Address the problem of over penalization of long documents by BM25 by adding a small constant to TF
 - Empirically and **analytically** shown to be better than BM25