Appendix I: R results and Example Usage



Figure 1: R querying with Wilcoxon test

Figure 2: P-value results

Synopsis of what is happening above:

Figure 1 depicts RStudio, the software that was used to do the statistical significance testing. As can be seen, Arabic for metric NDCG and retrieval algorithm BM25 is used against metric NDCG and retrieval algorithm Dirichlet Smoothing (DS). The P value in figure 2 is the significance, in this case 0.003595, which is significant as it is less than 0.05.