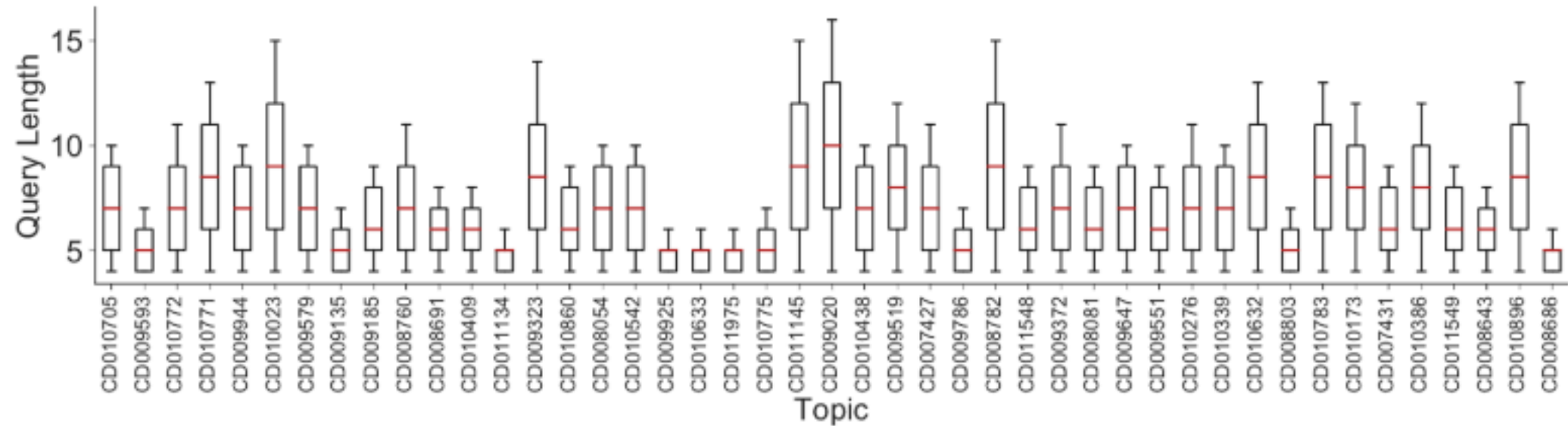


QVPP

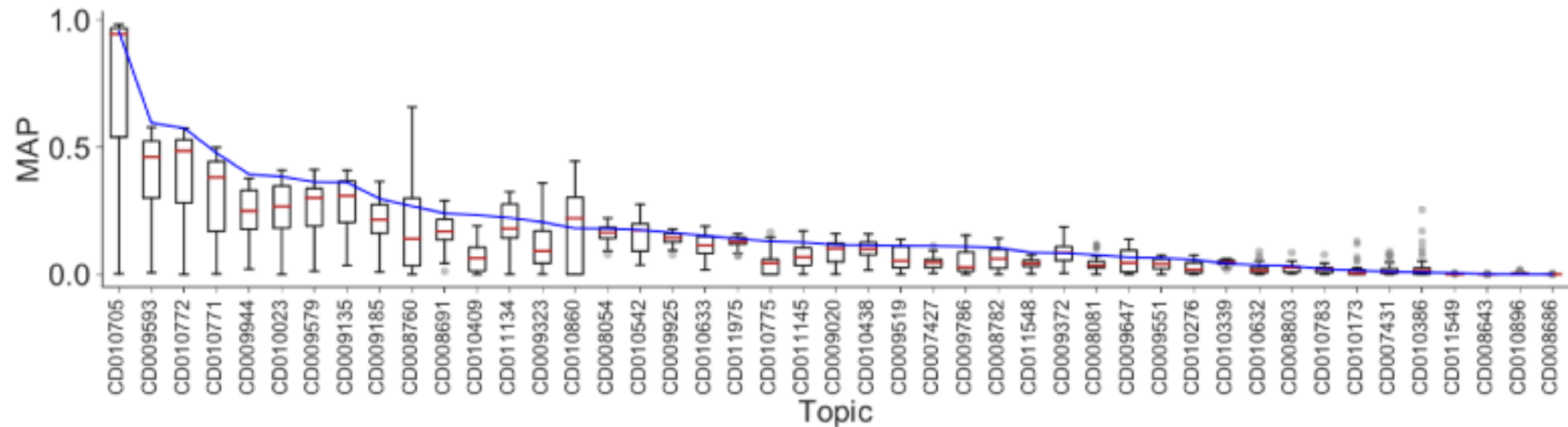
- For the query variation performance prediction (QVPP) task:
 - Title of the systematic review is used as a “seed” query
 - Query variations are generated via query reduction
 - general purpose QPPs to rank variations based on predicted performance
- QPP task of predicts performance across topics
 - QVPP attempts to predict performance across queries in a topic (and therefore ranks them)

“Seed” Query Statistics

QUERY LENGTH VS PERFORMANCE



(a) Distribution of query lengths across topics.



(b) Distribution of MAP for query variations (boxplots) and seed queries (in blue) across topics.

Figure 7.1: Distribution of query lengths and MAP scores over each topic. Both sub figures are ordered by MAP score.