Reproducible Information Retrieval Evaluation System (RIRES)

# Do it locally

1. The idea

The idea is to dynamically compile the self-defined code and generate the binary for retrieval.

1. Indri (version 5.9) based

Indri is chosen as the basis of the implementation. However, Indri should be tailored a lot to meet the needs of RIRES. The reasons are:

* 1. It is better to maintain the code base.
  2. Indri is a combination of several powerful tools e.g., build index, run query, page rank calculation etc. However, we just need build index, dumpindex and run query. Among them, run query is more important since it will be compiled whenever new code is coming.
  3. This will generate smaller binary which is favorable.

1. Details of the implementation
   1. Query Parser will be removed since it will not be used.
   2. Dependent libs xpdf (used to parse PDF files), antlr (used to parse query language) will be removed.
   3. Other codes need to be modified according to the above changes.

# Do it as a web service



