

# Information Retrieval

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## 1 Introduction / motivation

We chose assignment 4 - DBPedia We will transform queries in the dataset into queries that get better relevance results when queried over nordlys <sup>1</sup>. Nordlys will be our search engine, DBPedia<sup>2</sup> will be searched. DBPedia-entity <sup>3</sup> will contain the queries and results including relevance which we will use to evaluate our transformation

## 2 Research question

Retrieving better entities when transform queries at first we will focus on \*\*\* type of query we would for example transform 'How to cook pasta' to 'Pasta Recipe'

## 3 Resources (data/software/users)

We will be using the DBPedia Entity V2 collection

## 4 Experimental design

We will treat any entity that has no relevancy data as if it is not relevant However, we can expect cases where those entities turn out to actually be relevant results to a query. With the recall value we can focus on 'did we get everything marked relevant'

## 5 Expected outcome

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<sup>1</sup><http://nordlys.cc/>

<sup>2</sup><https://wiki.dbpedia.org/about>

<sup>3</sup><https://github.com/iai-group/DBpedia-Entity>