



## Drawing Questions from Wikidata

### Motivation and Informal Description

Whereas Wikipedia offers a wealth of information for humans, Wikidata was established to provide data for machines. This source of knowledge can be populated and freely used by anyone thanks to its public domain license.

In this thesis we investigate the feasibility of a comprehensive quiz application which draws its questions out of this unlimited pool of structured facts. For example, one could learn the capital cities of countries in Europe (or any other continent).

Importance is placed on making the application aware of the user who is using the application. If you wanted to learn the countries through which rivers pass, the application would ask you about rivers that are close to your current location.

The application should not impose any geographical barriers (e.g. being only available in English). Thanks to Wikidata, the application can fetch the names in the native language of the user.

Further emphasis is placed on making the application utilize all the information it can gather from Wikidata. For instance, when matching Swiss cities with cantons, the flag of the city should always be displayed if available. Such visual clues also improve the learning effect.

The main idea is to not restrict the amount of knowledge that can be learnt. Therefore, an open format will be developed that allows sharing of question types with others.

