



Quality assessment of LOD for potential Dual Use

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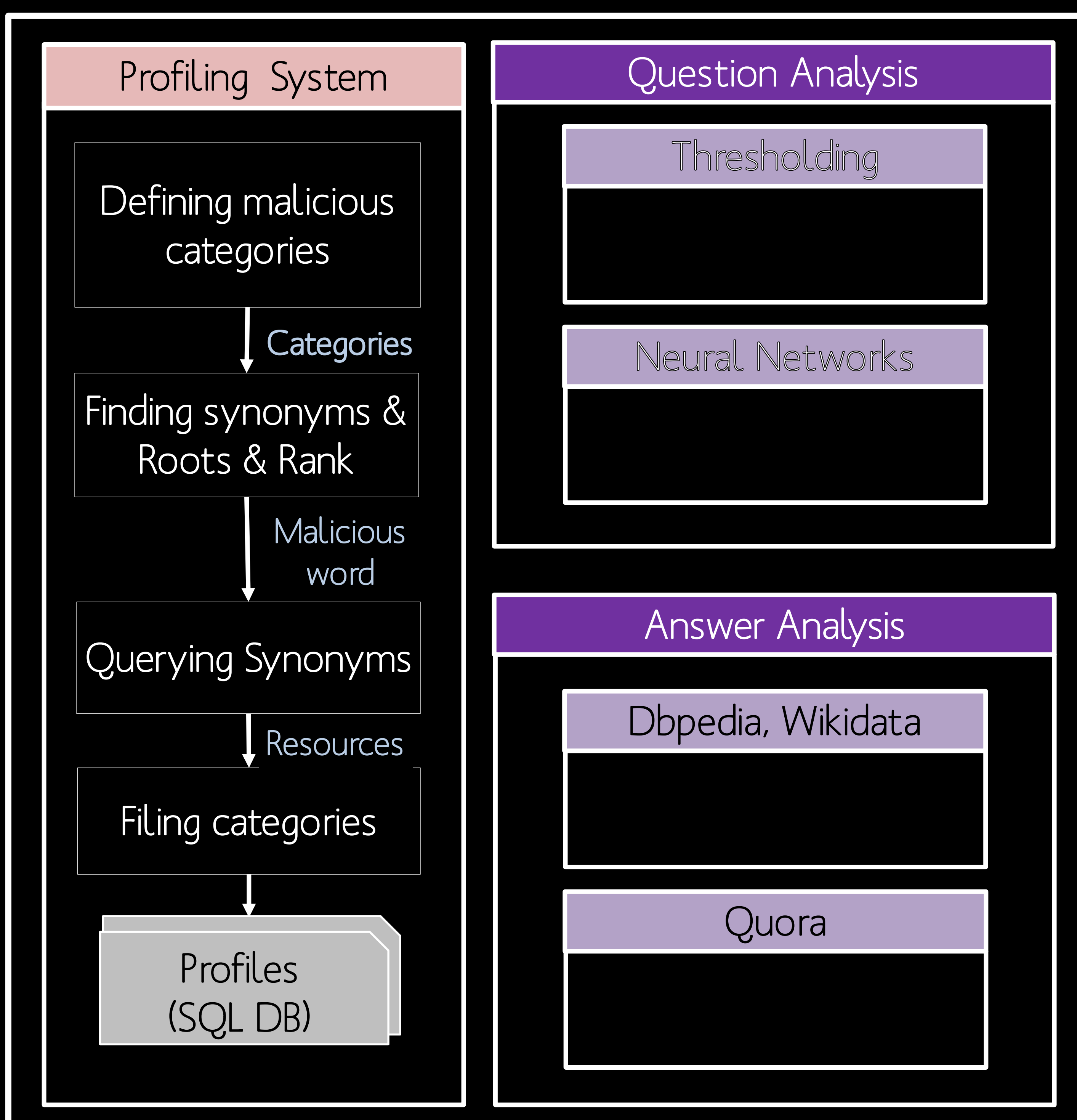
Motivation

✧ Dual Use of questions

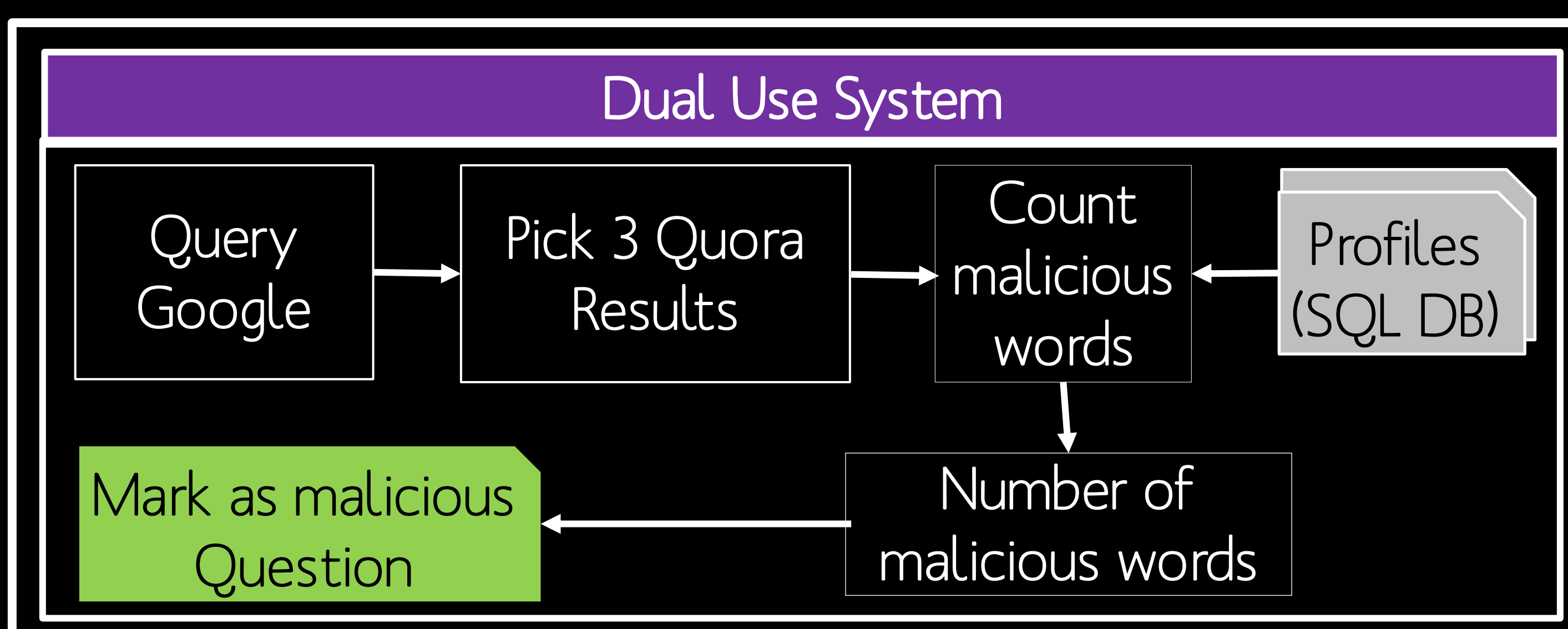
The following questions should be blocked:

1. Where is the nearest **nuclear power plant** from Koln airport?
2. How to make a **bomb** using a 2-cell **battery** or **soap**?
3. What is the nearest **military** base to **location X**?

LOD System Structure



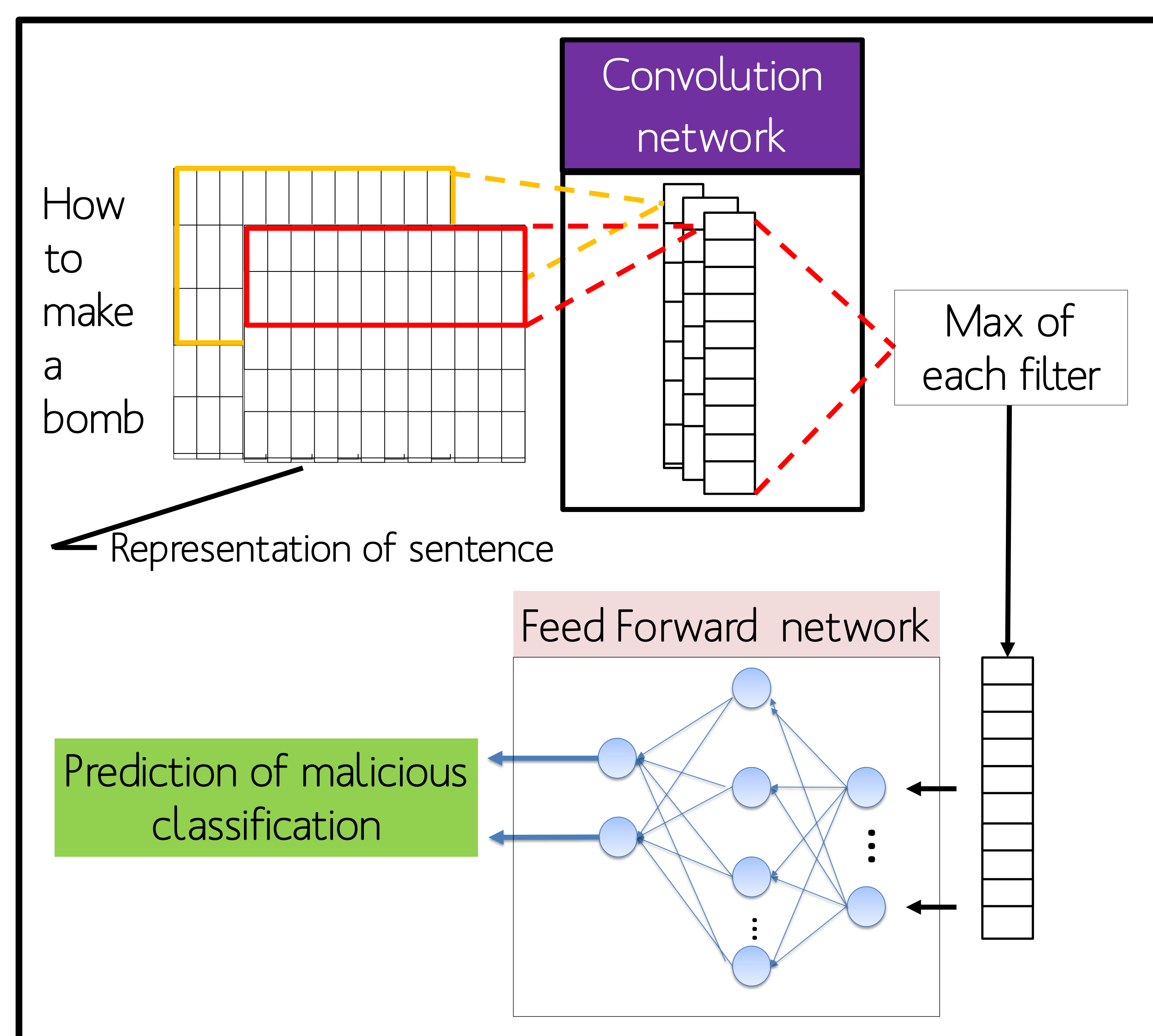
Using Quora



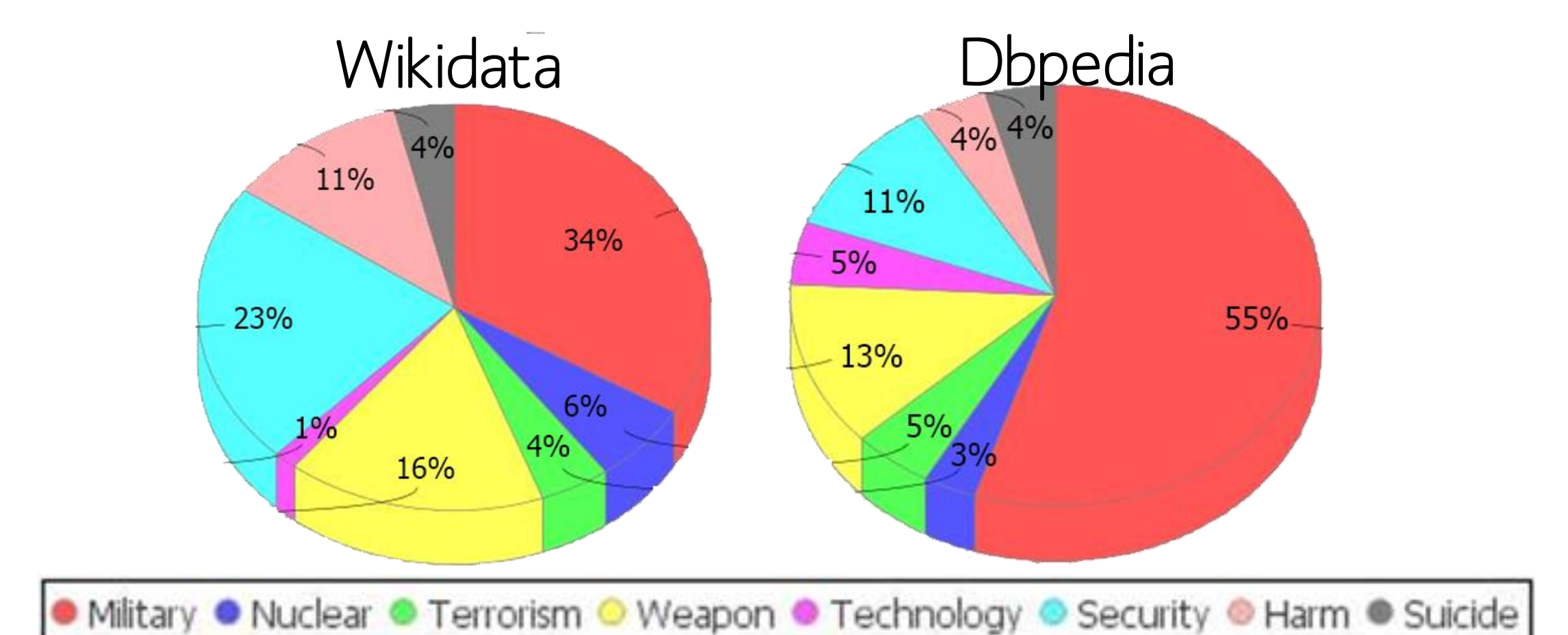
Problems

- ✧ There is not enough resources in DBpedia and Wikidata
- ✧ It is hard to write a questions in SPARQL
- ✧ The system is not smart enough to find the difference between "How to kill an insect?" and "How to kill a person?"

Convolutional Neural Network



Results and Performance



Virtual Machine Description



Hostname: **vm-Windows7-es02**

Software installed:

Installed on: Ubuntu 15.10

MySQL 5.6.31

TensorFlow

Local Access:

OS User: Deep-Learning
Password: <DeepBIT2016>



Remote Access:

Partner ID: 595999367
Password: <LOD123>