

# OPDRACHT 1

## WORDNET 3.1

### INDIVIDUAL ASSIGNMENT

1. Search for ‘**Utrecht**’ in WordNet 3.1:

<http://wordnetweb.princeton.edu/perl/webwn?>

What is its holonym? Can you find any other Dutch cities listed as instances of **city#1**? What are they?

2. Find all hypernyms for the synsets **bank#2** and **university#3** in WordNet 3.1 and write them down. Are **bank#2** and **university#3** the most common senses for ‘**bank**’ and ‘**university**’? If not, what are the most common senses? What is the length of the path between **bank#2** and **university#3**? What is the least common subsumer? Calculate the similarity between **bank#2** and **university#3** using the Leacock and Chodorow (**lch**) measure.
3. Choose an English noun  $X$  that you would like to work on and find its most similar word  $Y$  (also a noun) using the DISCO Web-GUI and the EN: BNC option ([http://www.linguatools.de/disco/disco-gui\\_en.html](http://www.linguatools.de/disco/disco-gui_en.html); note: if a lemma of the most similar word is the same as the one of  $X$ , choose the second similar word). Write them down. Consider the most frequent senses of  $X$  and  $Y$  in WordNet 3.1. What is the least common subsumer in this case? Would you consider them similar according to the **lch** measure?