|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Nouns – Cluster 5: Window cleaning** | **Counter** | **DBpedia** | **ConceptNet** | **NELL** |
| **1** | Detergent / Soap | 19 | 0 clicks, 1 minute | 0 clicks, 1 minute | 3 clicks, 5 minutes |
| **2** | Water | 22 | 0 clicks, 1 minute | 0 clicks, 1 minute | 3 clicks, 4 minutes |
| **3** | Cloth | 3 | 1 click, 2 minutes | 0 clicks, 1 minute | 3 clicks, 4 minutes |
| **4** | Window | 23 | 0 clicks, 1 minute | x | 3 clicks, 3 minutes |
| **5** | Top | 2 | x | x | 3 clicks, 4 minutes |
| **6** | Bottom / End | 2 | x | x | 3 clicks, 4 minutes |
| **7** | Handle / Cleanser | 2 | 1 click, 2 minutes | x | 3 clicks, 3 minutes |
| **8** | Air | 1 | 2 clicks, 3 minutes | x | 3 clicks, 2 minutes |
| **9** | Stain | 2 | x | 0 clicks, 1 minute | 3 clicks, 2 minutes |
| **10** | Order | 2 | x | x | x |
| **Average clicks:** | n/a | n/a | 0.7 clicks | 0 clicks | 3 clicks |
| **Average time:** | n/a | n/a | 1.7 minutes | 1 minute | 3.4 minutes |

**DBpedia**

1. <http://dbpedia.org/page/Window_cleaner>

2. <http://dbpedia.org/page/Window_cleaner>

3. <http://dbpedia.org/page/Window_cleaner>, <https://en.wikipedia.org/wiki/Window_cleaner>

4. <http://dbpedia.org/page/Window_cleaner>

5. x

6. x

7. <http://dbpedia.org/page/Window_cleaner>, <https://en.wikipedia.org/wiki/Window_cleaner>

8. <http://dbpedia.org/page/Window_cleaner>, <https://en.wikipedia.org/wiki/Window_cleaner>, <https://en.wikipedia.org/wiki/Squeegee>

9. x

10. x

**Conceptnet**

1. <http://conceptnet.io/c/en/cleaning>

2. <http://conceptnet.io/c/en/cleaning>

3. <http://conceptnet.io/c/en/cleaning>

4. x

5. x

6. x

7. x

8. x

9. <http://conceptnet.io/c/en/cleaning>

10. x

**NELL**

1. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

2. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

3. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

4. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

5. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

6. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

7. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

8. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

9. <http://rtw.ml.cmu.edu/rtw/kbbrowser/>, <http://rtw.ml.cmu.edu/rtw/kbbrowser/hallwayitem:cleaning_window>, <https://www.google.com/search?q=%22cleaning+window%22>, <https://shewearsmanyhats.com/the-best-window-cleaner/>

10. x