

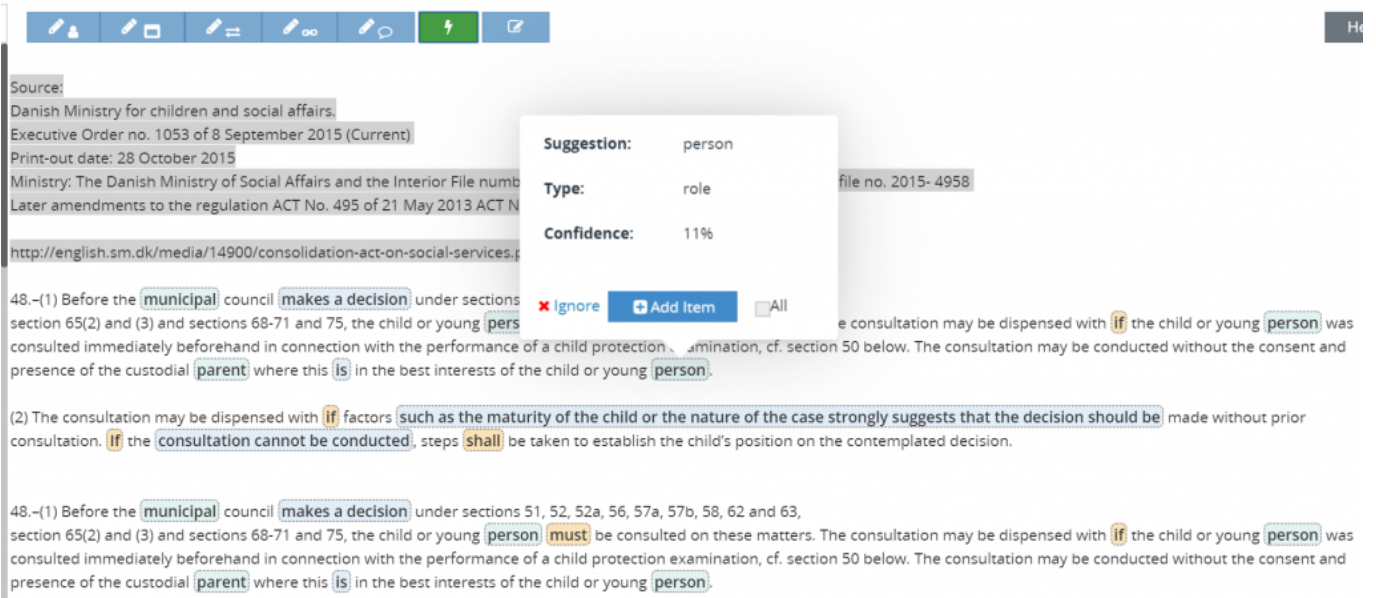
DCR Highlighter Suggest

<https://documentation.dcr.design/documentation/dcr-highlighter-suggest/>

Reading and highlighting texts take a long time. Using Artificial Intelligence and natural language processing have created Highlighter Suggest, a module that reads and understands the text and returns these suggestions to the user. The user can then accept or reject these suggestions.

We monitor user's reaction to each suggestion and use this knowledge to train the computer to make better suggestions in the future.

A new button is added to the Highlighter module which invokes a natural language processing module that analyzes the text and returns sets of suggestions for roles, activities and rules. Below we have clicked the suggest button and the result is shown as dotted lines around words. Placing the mouse over a word will show the type etc as the role of a "Person" below:



Clicking Add Item will mark the suggested text.

Benchmarks

The following table compares the performance of the Highlighter Suggest module against highlights that have been manually performed by expert users.

Case Id	Title	Description Source	# Activities (manual highlights)	#Activities Suggested	False Positives	False Negatives
1	Hospital Workflow	Process Description DCR Process Model	11	12	1	1
2	Insurance Workflow	Process Description DCR Process Model	11	11	0	0
3	Computer Repair Service	Process Description DCR Process Model	14	12	0	2
4	Expense Handling Process	DCR Process Model	6	12	0	0

Type: User guide

Audience: Modelers

