Generating scripts for films/serials/plays.
Follow-up to THEaiTRE project see www.theaitre.com
The project left a lot of unresolved issues, e.g. character representation, dramatic situations, understanding the connection between the script and the action on stage... in general basically anything that is not explicitly written in the script but is important for the play.

Generating poems.
Follow-up to Zuzana Husár's project (Lisa Gennart).
Generate poems in a given style, on a given theme, summarizing/glossifying the content of a given longer text (epigrams)...

Drawing as described:
The sun is shining in the sky. We see the house in the middle, three trees in front of the house. Next to the house is a red car. ...

Automatically create language tests
Take different tasks eg from FCE, generate input automatically.

Shannon game
Leave a random word out of the sentence and let people guess. To skip it somewhat cleverly, ideally there is only one way to add it.

Generate entries to iKnow
Generate the answer (wiki title?), And the general question (by category?) And three questions for the players (perhaps from the text, somewhere here to evaluate the specificity of those indications but also the usefulness ...)

Voice control of the presentation
For a sequence of images (eg from holidays) or for slides at a lecture. Commands as next / previous / start / quick / slow / pause / rotate / zoom in ...

Voice control for any social game on the computer, such as carcassone ...

Transcribing Linux commands into native language - Generating comments on Bash code (Bash because it is enough to cover a small set of structures and cover that great percentage of programs)

Generate Interpretation Dictionary
- description of meaning (from wiki, from defining sentences from web ...)
- synonyms
- antonyma
- Typical examples of use

Finding fine examples
When a person articulates a sentence to which he or she would point out (use of a word or phrase, a grammatical phenomenon, etc.), he will either invent something strange (too

simple or too unlikely), or look in the corpse and find something ugly (long, strange words , taken out of context, etc.). The aim is, on the one hand, to evaluate how well they are "handsome" on corporal sentences, and secondly, to look for sentences illustrating the phenomenon.

Generating and solving mathematical problems

Drawing according to text instructions
(Siege of line AB, from point A to perpendicular 5 cm long ...)

Composing a smooth text composed of quotations from Bible films / snippets / ... simply linking existing sentences to each other ... (LM we do, in sentences, not so ...)

Generate text descriptions from structured data
Weather forecast, itinerary by train, test scores ...
Interpretation of numerical results - aggregation, averages, quartiles ... (I need the election results, I want to summarize it briefly than what is included there.)
I have students' marks on the subject, I want to summarize it.
Generating a description of the city from the factual data (where lies, on which river, how large, in which region it was founded ....)

Cipher / Puzzles Generation
Maybe based on synonyms used in a non-synonymous context, or kros linguistically (your eyes September) ... Forming words that are already coming out with another meaning (Teplice) ...

From the route on the map generate a text description. I would personally like it mainly for hiking trails, there could even say things like going through a forest, around the water, along the river, on a forest path when it comes to the city or comes out of what is close to seeing ...

Generate contributions to online discussion. First, in general, to look naturally. On the one hand, with some purpose (angry, pro-earth, etc.)

Generate a computer description for my mom
Input: data on processor, frame, graph, monitor ...
Output: it's on games / on demanding games / on movies / in great resolution ... It's fast slow middle, it has big / small resolution, large / small disk ...

Synthesis of recipes
I recite recipes, sum them up together if the same thing is cooked in them, and I reunite these recipes into one - what they agree to give, where most of them agree, so where else can I give or more. ..

Synthesis of newspaper articles
Erase all the information from several articles and make one where they will all once.

Whoever does not eat prawns has a fly on his nose
Generate and Solve Einstein's Puzzles.

Generate simple crosswords (ridge) including descriptions.

Jokes / poems / fiction / jambic pentameter / haiku translation ...
Alternatively, translation under restrictive conditions or with preferential criteria in addition

Futurizer, pasterizer, feminizer, digger, tattoo ... sprozator ...

Changing subjective coloring
Overwrite the text (replace the words) in order to preserve the factual meaning but change
the subjective color (positive / negative)

Dehusator
Removing diacritics by replacing accented words and phrases with synonyms without
diacritics

Menu interpreter in the restaurant
To the name of the food it generates its brief description (about the recipe) - it's one that
there is a pinch of salt, but some ingefedience is fundamentally determining the character
and taste of the meal: what is it for meat or meat that is unusual, it's fried baked cooked,
what is there for vegetables (but the onions are not interesting ...)

Search for parent words
What is Rottweiler: This is a dog.

Of course x-ling parsing
- involvement of unsupervised translation and so on
- connection with unsup parsing
- syntactic cues from attention, embeddings ...
- simplify to easy parsing, but do not need to be synonyms, just enough when the same
category (human, mountain, city, animal ...) and have the same morfo properties (gender,
number, life, eventually like falling ...)
- better alignment (Kira has started something promising)
- better xling tagging (mine is stupid)
- Smarter info mining from walsu, use them directly to build the trees
- pre / post reordering

Translation of movie subtitles with image information
And possibly sound (speaks guy or female?)

Internacialist
Replacing words with their international synonyms (and vice versa)

Generator of instructions for use
Define a structured language in which you can easily describe the typical instructions in the instructions for use. Probably similar predicate logic ...
Define mapping from that language into several natural languages (proof of concept).

Manguage
implement a translator (convertor) to (and from?) a special/fun language, such as Manguage from http://www.smbc-comics.com/comic/inmanity

Some project with Urban Dictionary

conversion of numbers to text and text to numbers, including support for different variants (22 → twenty-two, twenty-two, plus inflection i.e. without twenty-two, with twenty-two...)

transliteration, e.g. Transliterating English to phonetic pronunciation with Czech vowels ("New York → ňů jork"); a suitable method is probably to use some existing automatic transliteration to IPA and then define the IPA transliteration to Czech vowels (English has irregular pronunciation, so doing it for English from scratch would be hard; but for languages with regular pronunciation it could be done without using additional resources); mapping letters to letters is easy, it is better to do it with context in mind; it may be interesting to think about how to capture the accent; it may be interesting to work with different pronunciations (English, American, etc.)

use a hieroglyphic dictionary for something:
https://www.um.es/cepoat/egipcio/wp-content/uploads/egyptianhierogly.pdf
perhaps make some simple translator from English to hieroglyphics

examining the text of written bands, determining themes, determining authorship, determining genres from the text

searching for passwords in the text (e.g. the name is franta and the password is zebra)

automatic inflection for Czech -- partially solved by https://ufal.mff.cuni.cz/morphodita but not completely satisfactory (e.g. it doesn't have a guesser so it doesn't return anything for unknown words)

Automatic categorization of items in eshop.
Let's have an eshop and have items with text description in it. We would like to offer users the possibility to filter the items according to parameters, but we don't have them structured, only in the text. (Current situation: I want to buy garbage bags, but it is not possible to filter them on Alza eshop according to volume, although the volume is always specified in the text.) So the goal is to automatically detect existing categories and their common values from the text, and offer filtering accordingly.

City sea chicken building.
Categorize nouns into classes: human, animal, plant, furniture....

Options: wordnet, syntactic-semantic cues, wikipedia, word embeddings...