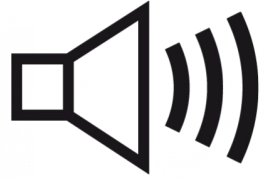
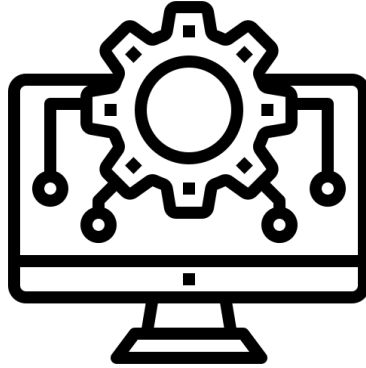


Poems 2 songs

Alexis Briffod
Mohammed Ali Barka
Elie Givodan
Paul Montassier



Our project



Transfer Learning

content image



louvre museum

+

style image



impressionist style painting

=

generated image



louvre painting
with impressionist style

Transfer Learning

style poem

WANDERINGS
MITSUKIYASUKE
The mills of the gods grind slowly
But this mill
Chatters in mechanical saecula
Ugly short infantry of the mind,
Advancing over difficult terrain,
Make this Corona
Their mirailleur.
ONLY WEATHER
The sea desires deep hulls—
It swells and rolls.
The screw churns a throak—
Driving, shobbing, progressing.
The sea rolls with love,
Surging, careening,
Undulating its great loving belly.
The sea is big and old—
Throbbing ships scorn it.
ROOSEVELT
Workmen believed
He hoisted masts,
And put his picture in their windows.
[193]



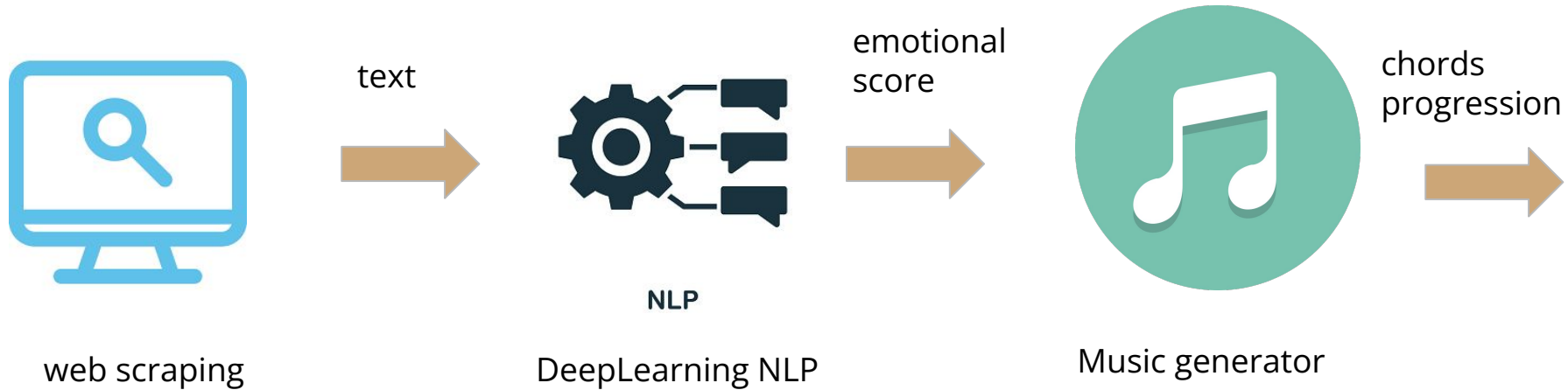
content music



generated music



Solution architecture



Web Scraping

Versedaily®

A Political Moment

"Isn't tyranny a kind of oblivion?"
texted a friend from out of town.
I don't know how to respond
or calm down and finish
my meditation on Zeno's paradox.

Split the distance *ad infinitum* and never get there;
Achilles shamed by the tortoise in the race.
So again, no oblivion;
the hand never comes close enough to slap.
The revelers at the carnival are never gone.



```
1 [
2 [
3     "Isn't tyranny a kind of oblivion?",
4     'texted a friend from out of town.',
5     "I don't know how to respond",
6     'or calm down and finish',
7     "my meditation on Zeno's paradox."
8 ],
9 [
10     'Split the distance ad infinitum and never get there;',
11     'Achilles shamed by the tortoise in the race.',
12     'So again, no oblivion;',
13     'the hand never comes close enough to slap.',
14     'The revelers at the carnival are never gone.'
15 ]
16 ]
```

The deepLearning block : tokenization & embedding

Tokenize on
rules

Let	's	tokenize	!	Is	n't	this	easy	?
-----	----	----------	---	----	-----	------	------	---

Tokenize on
punctuation

Let	'	s	tokenize	!	Isn	'	t	this	easy	?
-----	---	---	----------	---	-----	---	---	------	------	---

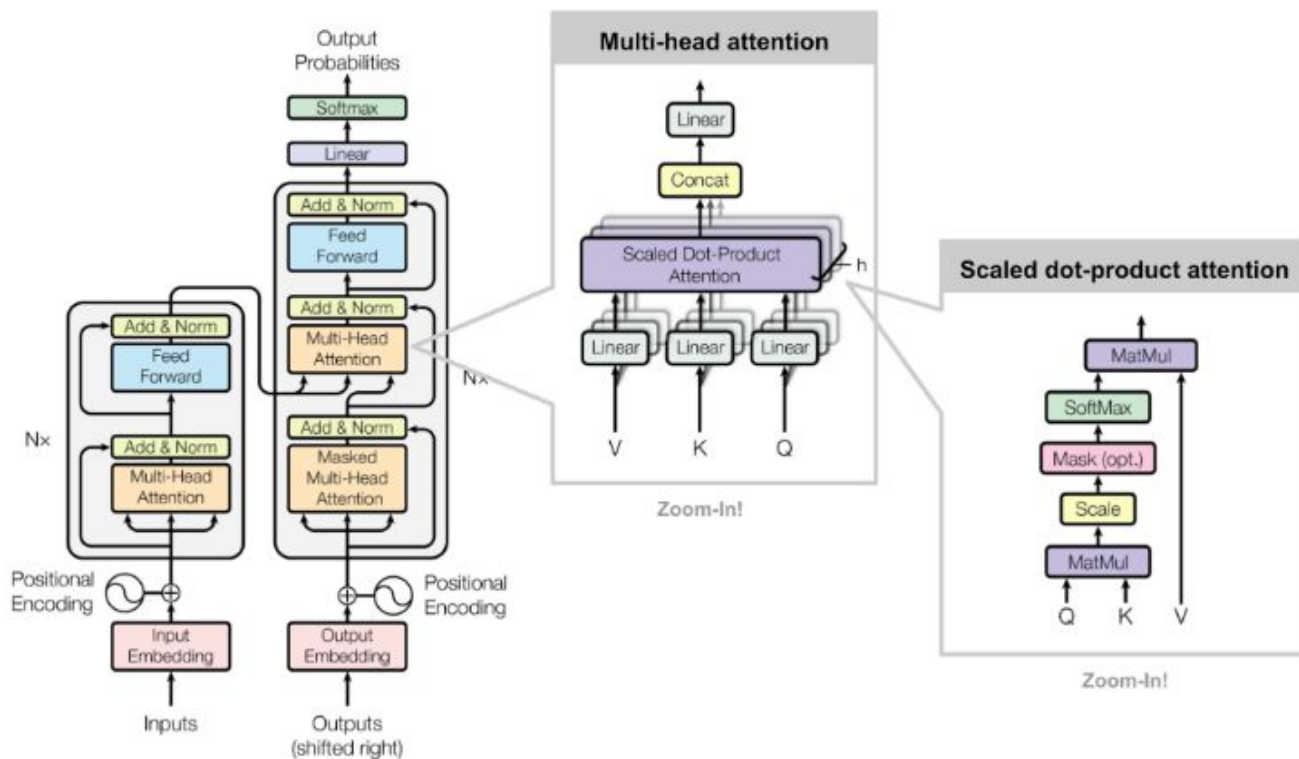
Tokenize on
white spaces

Let's	tokenize!	Isn't	this	easy?
-------	-----------	-------	------	-------

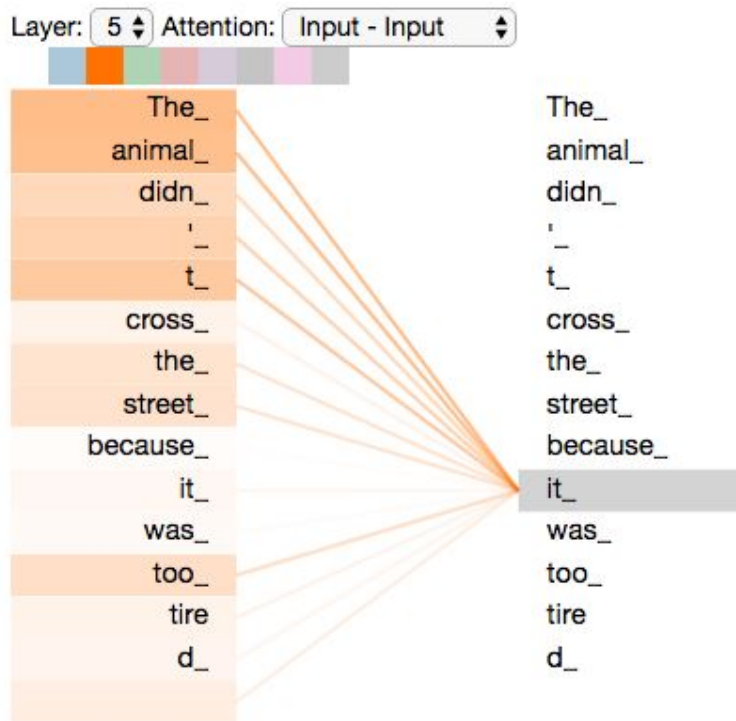
Let's tokenize! Isn't this easy?

	living being	feline	human	gender	royalty	verb	plural
cat →	0.6	0.9	0.1	0.4	-0.7	-0.3	-0.2
kitten →	0.5	0.8	-0.1	0.2	-0.6	-0.5	-0.1
dog →	0.7	-0.1	0.4	0.3	-0.4	-0.1	-0.3
houses →	-0.8	-0.4	-0.5	0.1	-0.9	0.3	0.8
man →	0.6	-0.2	0.8	0.9	-0.1	-0.9	-0.7
woman →	0.7	0.3	0.9	-0.7	0.1	-0.5	-0.4
king →	0.5	-0.4	0.7	0.8	0.9	-0.7	-0.6
queen →	0.8	-0.1	0.8	-0.9	0.8	-0.5	-0.9

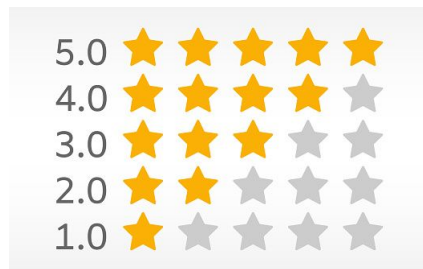
The deepLearning block : Bert architecture



The deepLearning block : Bert architecture



The deepLearning block



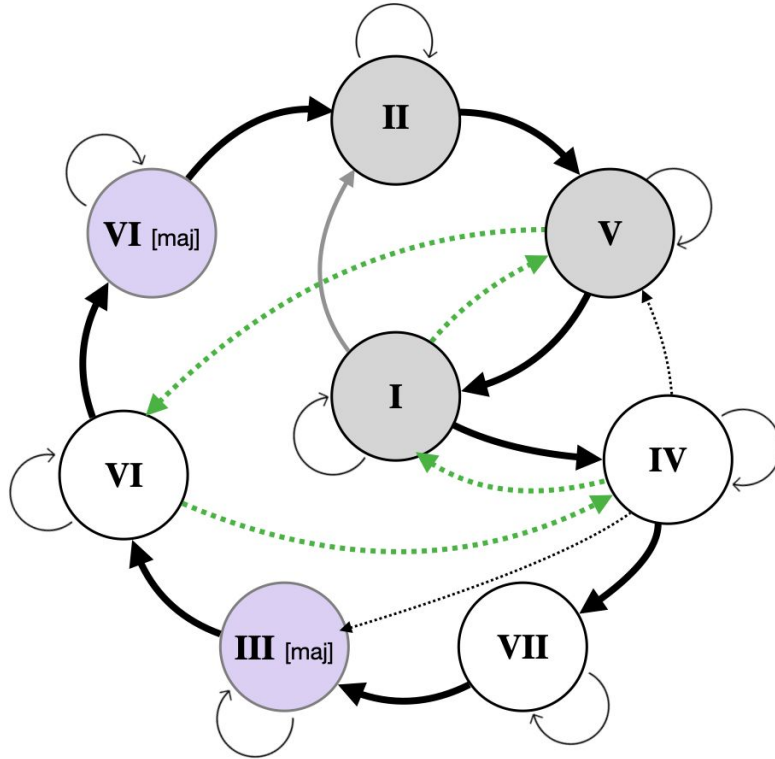
Automatic music generation

Major and Minor Chords

The image displays a collection of musical notation for major and minor chords, organized into four systems. Each system contains six chords, with their names written above the corresponding musical staves. The notation is presented in a 4/4 time signature, with the treble and bass clefs indicated. The chords are represented by vertical lines with dots, indicating the notes of the chord. The first system shows C Major, C#/Db Major, D Major, D#/Eb Major, E Major, and F Major. The second system shows F#/Gb Major, G Major, G#/Ab Major, A Major, A#/Bb Major, and B Major. The third system shows C Minor, C#/Db Minor, D Minor, D#/Eb Minor, E Minor, and F Minor. The fourth system shows F#/Gb Minor, G Minor, G#/Ab Minor, A Minor, A#/Bb Minor, and B Minor.

Chord Name	Treble Clef Notes	Bass Clef Notes
C Major	C4, E4, G4	C3, E3, G3
C#/Db Major	C#4, E4, G#4	C#3, E3, G#3
D Major	D4, F#4, A4	D3, F#3, A3
D#/Eb Major	D#4, F#4, A#4	D#3, F#3, A#3
E Major	E4, G#4, B4	E3, G#3, B3
F Major	F4, A4, C5	F3, A3, C4
F#/Gb Major	F#4, A#4, C#5	F#3, A#3, C#4
G Major	G4, B4, D5	G3, B3, D4
G#/Ab Major	G#4, B#4, D#5	G#3, B#3, D#4
A Major	A4, C#5, E5	A3, C#3, E4
A#/Bb Major	A#4, C#5, E#5	A#3, C#3, E#4
B Major	B4, D#5, F#5	B3, D#3, F#4
C Minor	C4, E♭4, G♭4	C3, E♭3, G♭3
C#/Db Minor	C#4, E♭4, G♭4	C#3, E♭3, G♭3
D Minor	D4, F♭4, A♭4	D3, F♭3, A♭3
D#/Eb Minor	D#4, F♭4, A♭4	D#3, F♭3, A♭3
E Minor	E4, G♭4, B♭4	E3, G♭3, B♭3
F Minor	F4, A♭4, C♭5	F3, A♭3, C♭4
F#/Gb Minor	F#4, A♭4, C♭5	F#3, A♭3, C♭4
G Minor	G4, B♭4, D♭5	G3, B♭3, D♭4
G#/Ab Minor	G#4, B♭4, D♭5	G#3, B♭3, D♭4
A Minor	A4, C♭5, E♭5	A3, C♭3, E♭4
A#/Bb Minor	A#4, C♭5, E♭5	A#3, C♭3, E♭4
B Minor	B4, D♭5, F♭5	B3, D♭3, F♭4

Automatic music generation



	I	II	III _{maj}	IV	V	VI	VI _{maj}	VII
I	0.5	0.3	0	0.2	0	0	0	0
II	0	0.5	0	0	0.5	0	0	0
III _{maj}	0	0	0	0.1	0	0.9	0	0
IV	0.3	0	0.1	0.1	0.2	0	0	0.3
V	0.6	0	0	0	0.1	0.3	0	0
VI	0	0	0	0.4	0	0.2	0.4	0
VI _{maj}	0	0.9	0	0	0	0	0.1	0
VII	0.1	0	0.8	0	0	0	0	0.1

Use Case : Songwriting

