Deep Leonning
Project

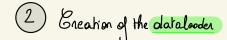
Victor Mongelecs

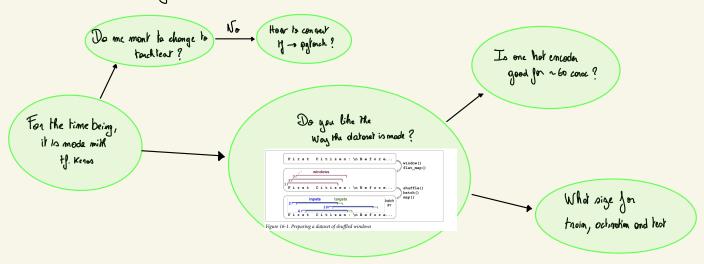
Plon of attock

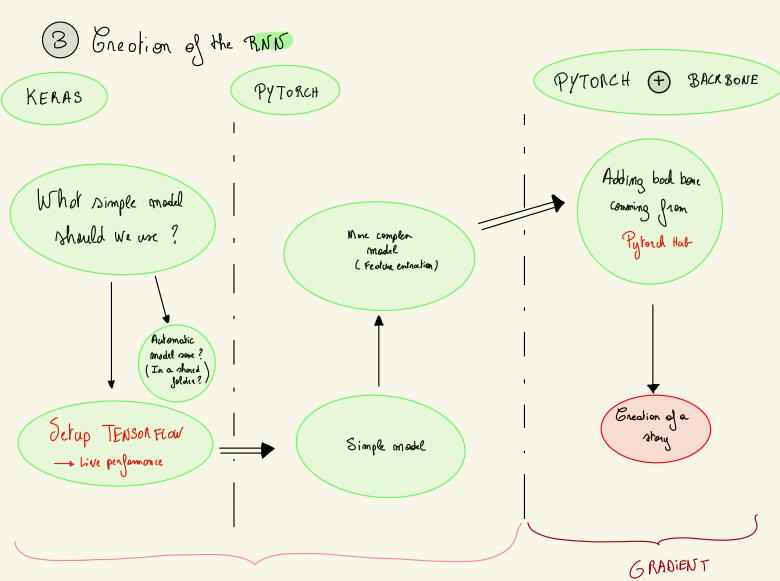
1 Imitialize au wontrapose on Google colds AND anadient

Livil only be used once we are

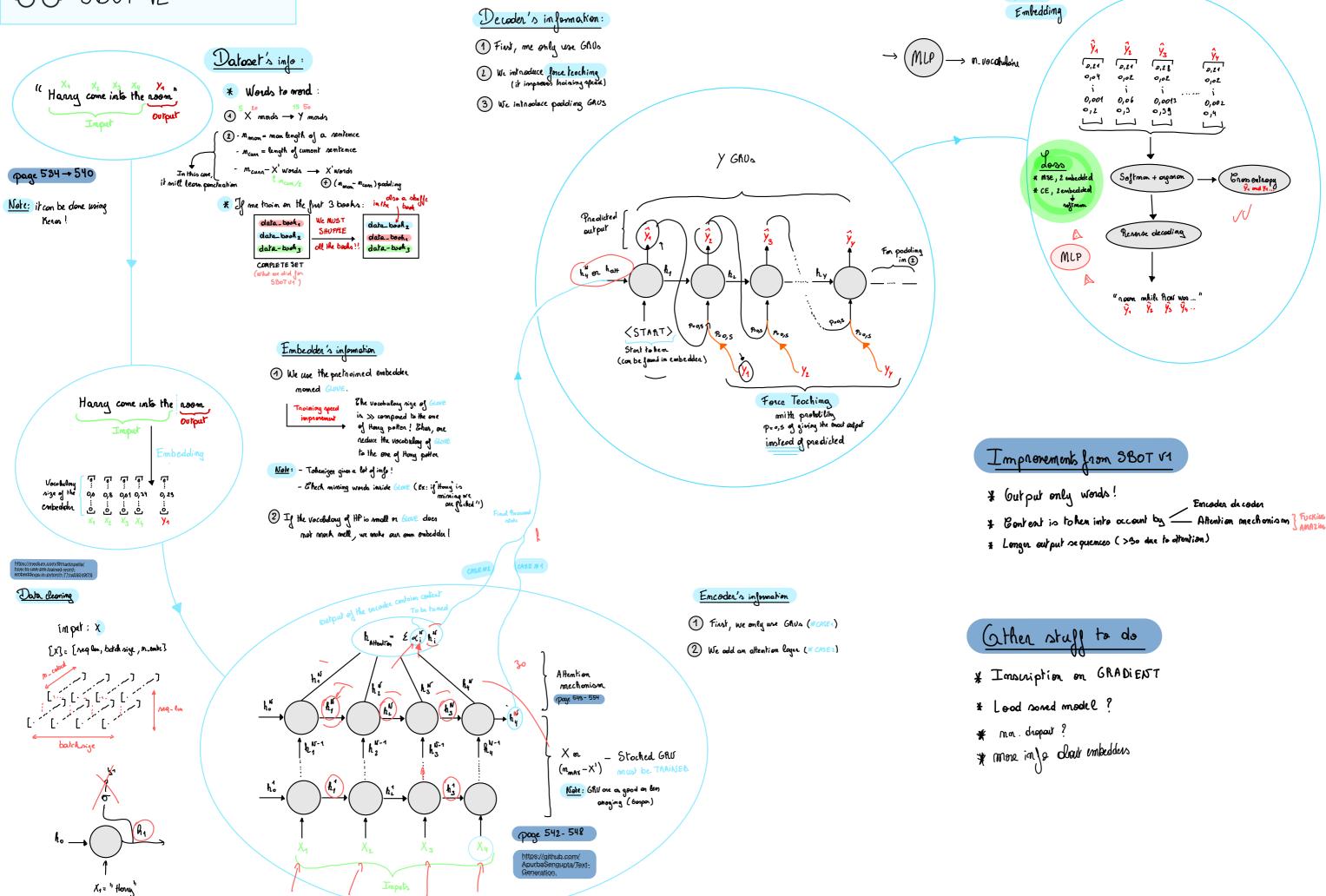
constrable with colds







GOOGLE COLAB



Reserve

Enon entropy

9, and 14...

SBOT V2 - Feat GASPAR

Plan of attack

E

To-DO-LIST

- * Fundions: Eleoning and documentation
- * Dictionmon: Unique neurion
- * Parametrization and dropout

TRAINING SCRIPT

- * Troining Junction
- * Monitoring the training (What had to use?)
- * Soning the model and Kill-Switch

* Lood Jormer models

te test!

METHICS

* Bleu * Plouge

* MSE

Aftention !!

- * Gaosentaopy 1 - We must SAVE during each epoch the enablish of the cromenhapy en/and MSE
 - 2 When do me anothe BLEV or/and house measurements?

It DOES NOT WORK

Besting our SBOT - U2.1



DATASET IMPROVEMENT 1 Book → Link of SENTENCES

(2) [<\$0\$\) Imput , OUTPUT (E0\$\) (NTO) N = mosc sentence

(3) Adoptation of our junctions to use tokens!

1- Geore has tohom?

2 - What wolve along

longth - e

Inscription on GAADIENT

Ome. Man. Joh

ATTENTION IS ALL YOU NEED

Note:

STARTING EXPERIMENTING

Umidinectional Biolinech onol

B+A

or convergence?)

- We do not need only octination layers! * For each orchitecture, 15,20 epochs on 7 books 1 Betimeen ENCODEA - DECODEA Increasing SBOT dimensions improve nesults (Better nesults

→ Induce a lost of ings on h 2 After the MLP use

→ No become CE daen it dan una!

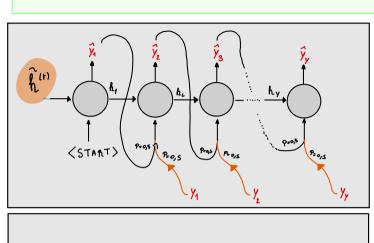
3 How to use CE: y=(... 0,2 .. } , y=(30)

* Gamponing best model of each and hitecture: - mb epochs - Volidohian Quantitotine (CE, BLEO, ROUGE study

- OWN PEELING

Quolitatiee study * With on mithant force troching

Attention is all me meed



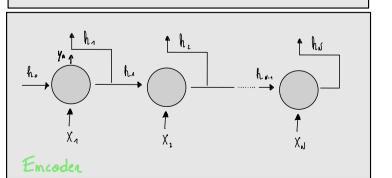
Attention

SHAPE GUIDE

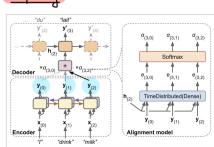
- * X = { batch size , seq. len, embed.nize }
- K h = [botchoige , n_enus · m_{dinec} , hidden_dinn]

COMPUTE ATTENTION => DOT product (others if I have time)





Recopitulatif



Equation 16-1. Attention mechanisms $\widetilde{\mathbf{h}}_{(t)} = \sum_{i} \alpha_{(t,i)} \mathbf{y}_{(i)} \qquad \text{Weights}$

with $\alpha_{(t,i)} = \frac{\exp\left(e_{(t,i)}\right)}{\sum_{j'} \exp\left(e_{(t,i')}\right)}$ (notified) $\begin{bmatrix} \mathbf{h}_{(t)}^{\mathsf{T}} \mathbf{y}_{(i)} & dot \end{bmatrix}$

 $\text{and } \underbrace{e_{(t,i)}}_{\mathbf{v}^{\mathsf{T}}} = \begin{cases} \mathbf{h}_{(t)}^{\mathsf{T}} \mathbf{W} \mathbf{y}_{(i)} & \textit{general} \\ \mathbf{v}^{\mathsf{T}} \tanh \left(\mathbf{W} \big[\mathbf{h}_{(t)}; \mathbf{y}_{(i)} \big] \right) & \textit{concat} \end{cases}$