



GENERATEUR DE CODE

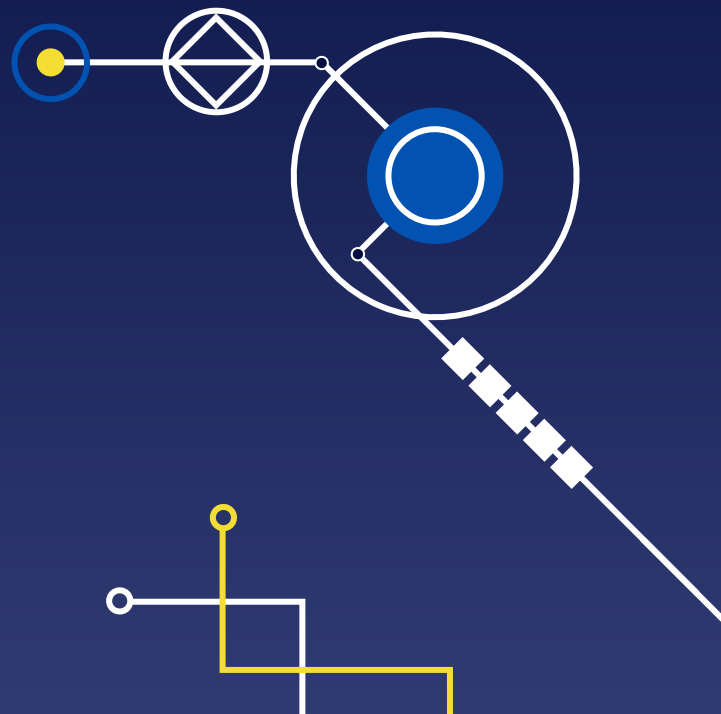
BENMANSOUR AMINE
JERRY TAKOUTSING
YACINE BOUFALA
FIRAT KILIC



INTRODUCTION

MODELES

- BERT
- LSTM



NOS DONNEES

01

02

RECUPERATION

Dépôt github (Tensorflow)

TYPE (Fichier.py)

Ensemble de données
textuelles



PREPROCESSING



SUPPRESSION DES ESPACES APRÈS LES VIRGULES

SUPPRESSION DES COMMENTAIRES

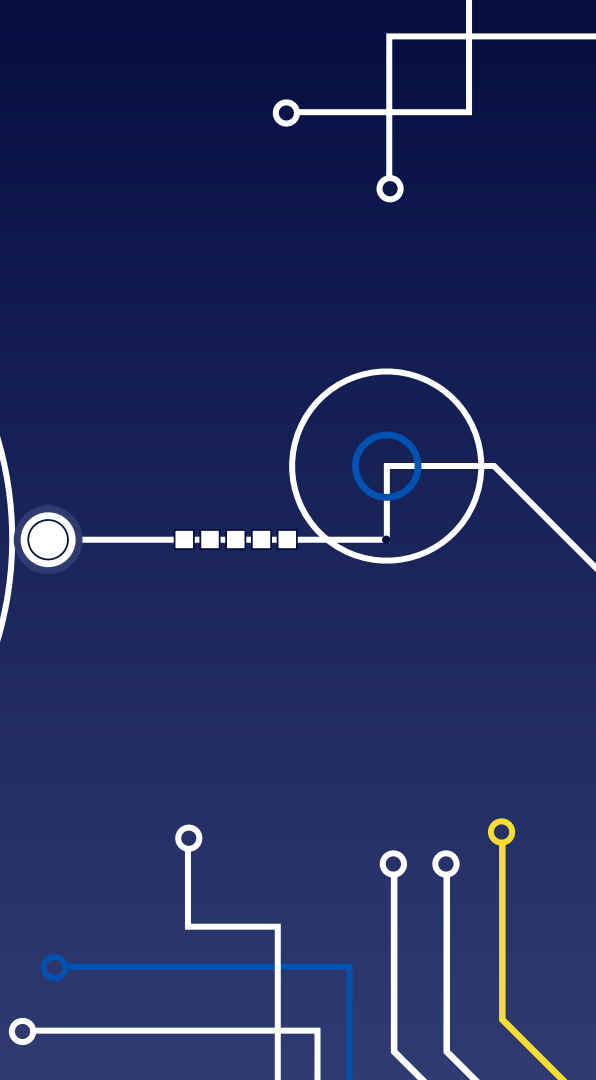
SUPPRESSION DES ESPACES

SUPPRESSION DES `<\n>` REDONDANTS

TOKENIZATION



CREATION DU MODELE LSTM



TOKENIZATION ET SEQUENCES

01

TEXTE

02

TOKENIZATION

03

SEQUENCES

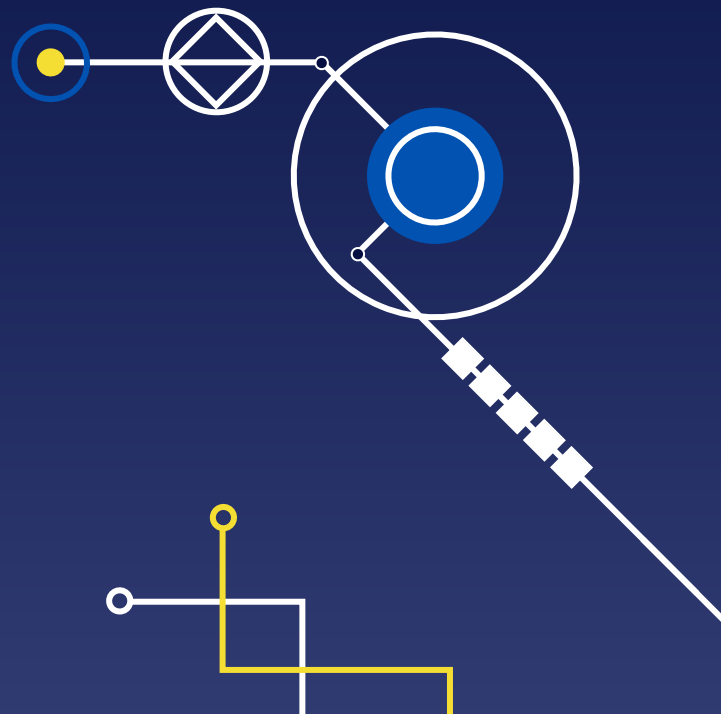
04

PADDING



MODELE D'APPRENTISSAGE

- Configuration du modèle
- Activation du GPU (CUDA)
- Entraînement parallélisé (Elephas)
- Entraînement par défaut (Keras)





The image features a dark blue background with abstract white and yellow geometric shapes. A large, thick yellow arc is the central focus, surrounded by a thin white circle with small blue dots. To the left of this arc, the word "GENERATION" is written in white, bold, sans-serif capital letters. To the left of the text are five horizontal yellow dashes. To the right of the arc is a white circle with a dashed line leading to a blue circle, which is further connected to a white circle. In the top right corner, there is a white circuit-like structure with two small circles. In the bottom right corner, there are several white and yellow lines, some ending in small circles, resembling a circuit board layout.

GENERATION

ETAPES DE PREDICTION

01

TEXTE

02

TOKENIZATION,
SEQUENCES & PADDING

03

IMPORT DU
MODELE

04

PREDICTION





The image features a dark blue background with the word "VISUALISATION" in white, bold, sans-serif capital letters. To the left of the text are five horizontal yellow lines of varying lengths. To the right is a large, stylized circular graphic composed of a white outer ring and a thick yellow inner ring, with several small blue dots along the white ring. Further to the right, a white line connects a small white circle to a larger white circle containing a blue circle. The background is decorated with various white and yellow geometric lines and shapes, including a circuit-like pattern in the top right and bottom right corners.

VISUALISATION

**MERCI A
TOUS!**

