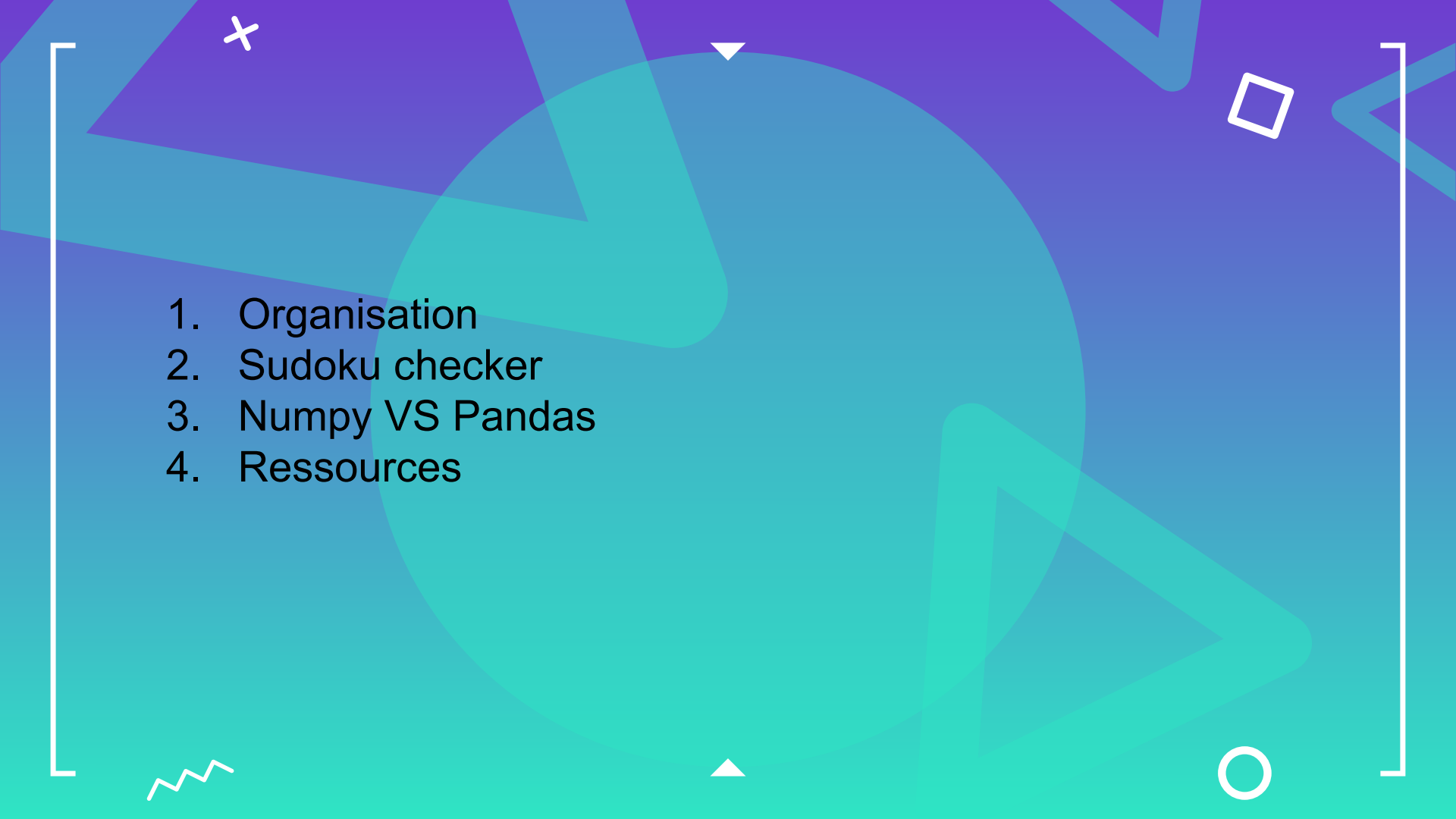


SUDOKU



- 
1. Organisation
 2. Sudoku checker
 3. Numpy VS Pandas
 4. Ressources

Organisation

Pas commencé 2

affichage streamlit/python anywhere

- Difficile : Créer un programme qui propose une grille 9X9 de sudoku à résoudre avec 3 niveaux de difficultés (débutant, intermédiaire, avancé) (sudoku_creator)

A Alexis Gagneux

E Ellana Caldin

L Laura Desjardes

Bonus

+ Nouvelle page

En cours 1

modelisation/affichage sudoku

L Laura Desjardes

+ Nouvelle page

Terminé 🙌 3

veille recursive

A Alexis Gagneux

veille backtracking

E Ellana Caldin

- Facile : Créer un programme qui vérifie si une grille 9x9 de sudoku est valide (sudoku_checker)

A Alexis Gagneux

E Ellana Caldin

L Laura Desjardes

important

+ Nouvelle page

The background is a vibrant gradient of purple and blue. It features several white geometric symbols: a plus sign in the top left, a downward-pointing triangle at the top center, a square in the top right, a zigzag line in the bottom left, an upward-pointing triangle at the bottom center, and a circle in the bottom right. A large, semi-transparent teal circle is centered on the slide. Two large white square brackets are positioned on the left and right sides, framing the central text.

Functions utilisés avec numpy

Creation de la matrice → `grid = np.random.randint(1,9, size=(9,9))`

Function `transpose()` → renvoie une vue du tableau avec les axes transposés

Function `flatten()` → passe notre matrice 2 dimensions à 1 dimension

Functions utilisés avec pandas

Function `iloc[]`
Function `unique()`

Ressources

<https://numpy.org/doc/stable/reference/generated/numpy.random.randint.html>

<https://numpy.org/doc/stable/reference/generated/numpy.matrix.transpose.html?highlight=transpose#numpy.matrix.transpose>

<https://numpy.org/doc/stable/reference/generated/numpy.matrix.flatten.html?highlight=flatten#numpy.matrix.flatten>

<https://pandas.pydata.org/docs/reference/api/pandas.DataFrame.iloc.html?highlight=iloc#pandas.DataFrame.iloc>

<https://pandas.pydata.org/docs/reference/api/pandas.Series.unique.html#pandas.Series.unique>



Merci

The background is a gradient from teal at the bottom to purple at the top. It features several geometric elements: a large teal arc on the left, a thick teal triangle on the right, a white square outline in the top right, a white circle outline in the bottom right, a white plus sign in the top left, a white zigzag line in the bottom left, and two white triangles (one pointing up, one pointing down) at the bottom center. Two white vertical brackets are positioned on the far left and right sides.