

# Intelligence artificielle 101: Webinaire

## Liens pour cette classe

INSTRUCTEUR: VINCENT BOUCHER  
president@montreal.ai

---

**Samedi, 28 novembre 2020 | 10:00 – 11:30 EST**

### Liens :

1. **Colab** (Slide 18) :  
<https://colab.research.google.com/notebooks/welcome.ipynb#forceEdit=true&sandboxMode=true>
2. **Python Numpy Tutorial With Google Colab** (Slide 20) :  
<https://colab.research.google.com/github/cs231n/cs231n.github.io/blob/master/python-colab.ipynb#forceEdit=true&sandboxMode=true>
3. **Introduction to Keras** (Slide 24) :  
<https://colab.research.google.com/drive/1IWUGZarlbORaHYUZIF9muCgpPI8pEvve#forceEdit=true&sandboxMode=true>
4. **TensorFlow Playground** (Slide 30) :  
<https://playground.tensorflow.org/#activation=relu&batchSize=30&dataset=spiral&regDataset=reg-plane&learningRate=0.03&regularizationRate=0&noise=10&networkShape=8,8,8,8,8&seed=0.22272&showTestData=false&discretize=false&percTrainData=80&x=true&y=true&xTimesY=false&xSquared=false&ySquared=false&cosX=false&sinX=false&cosY=false&sinY=false&collectStats=false&problem=classification&initZero=false&hideText=false>
5. **CNN Explainer** (Slide 62) : <https://poloclub.github.io/cnn-explainer/>
6. **Image Classification from Scratch** (Slide 63) :  
<https://colab.research.google.com/drive/1umJnCp8tZ7UDTYSQsuWdKRhqbHts38AC#forceEdit=true&sandboxMode=true>
7. **Write With Transformer** (Slide 77) : <https://transformer.huggingface.co>

---

8. **GAN in Keras** (Slide 83) :

<https://colab.research.google.com/drive/1CQ2XTMoUB7b9i9USUh4kp8BoCag1z-en#forceEdit=true&sandboxMode=true>

9. **art-DCGAN** (Slide 83) : <https://github.com/robbiebarrat/art-dcgan>

10. **MusicVAE** (Slide 91) :

[https://colab.research.google.com/notebook#fileId=/v2/external/notebooks/magenta/music\\_vae/music\\_vae.ipynb](https://colab.research.google.com/notebook#fileId=/v2/external/notebooks/magenta/music_vae/music_vae.ipynb)

11. **Evolution Strategies** (Slide 110) :

<https://colab.research.google.com/github/karpathy/randomfun/blob/master/es.ipynb#forceEdit=true&sandboxMode=true>

12. **OpenSpiel** (Slide 140) :

[https://colab.research.google.com/github/deepmind/open\\_spiel/blob/master/open\\_spiel/colabs/install\\_open\\_spiel.ipynb#forceEdit=true&sandboxMode=true](https://colab.research.google.com/github/deepmind/open_spiel/blob/master/open_spiel/colabs/install_open_spiel.ipynb#forceEdit=true&sandboxMode=true)

**VIP AI 101 CheatSheet pour tous** : <http://www.montreal.ai/ai4all.pdf>

**Discussion en ligne** (Document Google) :

[https://docs.google.com/document/d/1DcQOqeDPOMxkjThTH\\_NkGUzKcYX1cItIjxBmE\\_SSlyY/edit?usp=sharing](https://docs.google.com/document/d/1DcQOqeDPOMxkjThTH_NkGUzKcYX1cItIjxBmE_SSlyY/edit?usp=sharing)

**Notes de classe** :

<https://docs.google.com/document/d/1PGtbaamnAdcauupUBRYlh3fs17uJWRv64EjWGLwruh4/edit?usp=sharing>

**Questions de l'audience internationale** :

[https://docs.google.com/forms/d/e/1FAIpQLSd9B0vTp7TWefOWUQWaEhUA4\\_vBpYAbKC1kTQUSqcibXRDYCW/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSd9B0vTp7TWefOWUQWaEhUA4_vBpYAbKC1kTQUSqcibXRDYCW/viewform?usp=sf_link)

\*\* Le contenu de ce cours est destiné à votre usage personnel et ne doit pas être partagé ou diffusé.