# Environnement logiciel pour l'apprentissage de l'exploration visuelle d'une image

Louis Cuni Pablo Donato

Université Pierre et Marie Curie - Paris VI

2 mai 2017

Environnement pour l'exploration visuelle

#### Sommaire

- Introduction
- Agent
- 5 Conclusion

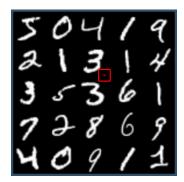


#### Contexte

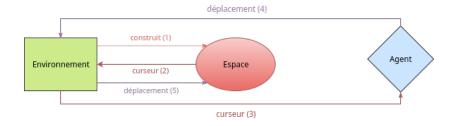
Environnement TODO

Agent

TODO



#### Interaction agent-environnement



- Construction de l'espace
- Boucle d'interaction



Environnement pour l'exploration visuelle

#### Sommaire

- 1 Introduction
- 2 Environnement
- 3 Agent
- 4 Étude expérimentale
- Conclusion



5 / 12

Environnement pour l'exploration visuelle

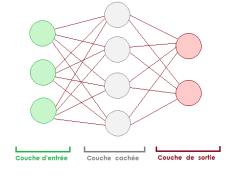
#### Sommaire

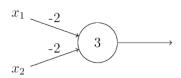
- 1 Introduction
- 3 Agent
- 5 Conclusion



6 / 12

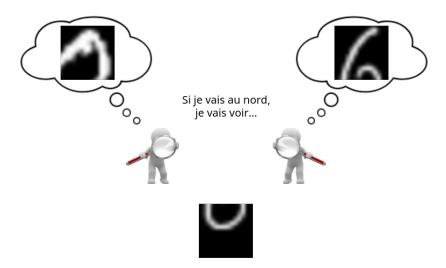
#### Réseaux de neurones



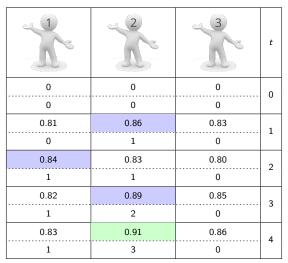


Commentaires?

#### **Prédicteurs**



#### Prise de décisions









```
action: (10, 3)
action: (10, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
```



```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
action: (10, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
action: (10, 3)
action: (1, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
action: (10, 3)
action: (1, 3)
action: (10, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
action: (10, 3)
action: (1, 3)
action: (10, 3)
action: (10, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
action: (10, 3)
action: (1, 3)
action: (10, 3)
action: (10, 3)
action: (10, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
action: (10, 3)
action: (1, 3)
action: (10, 3)
action: (10, 3)
action: (10, 3)
```

```
action: (10, 3)
action: (10, 3)
action: (4, 3)
action: (10, 3)
action: (10, 3)
action: (1, 3)
action: (10, 3)
action: (10, 3)
action: (10, 3)
action: (10, 3)
```



#### Sommaire

- Introduction
- 2 Environnement
- 3 Agent
- 4 Étude expérimentale
- 5 Conclusion

Environnement pour l'exploration visuelle

#### Sommaire

- 1 Introduction
- Agent
- **5** Conclusion

