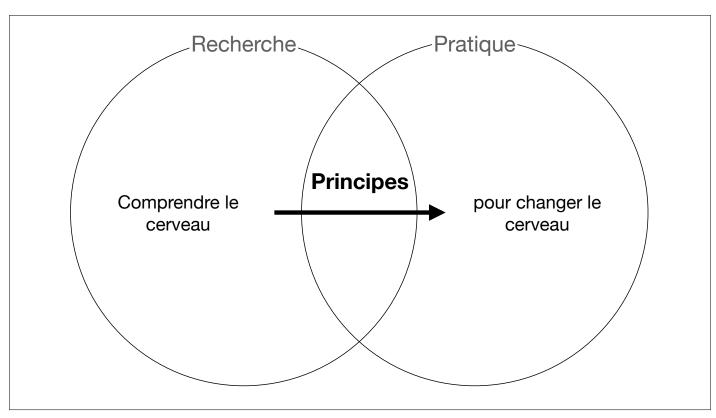


## Enseigner change le cerveau!

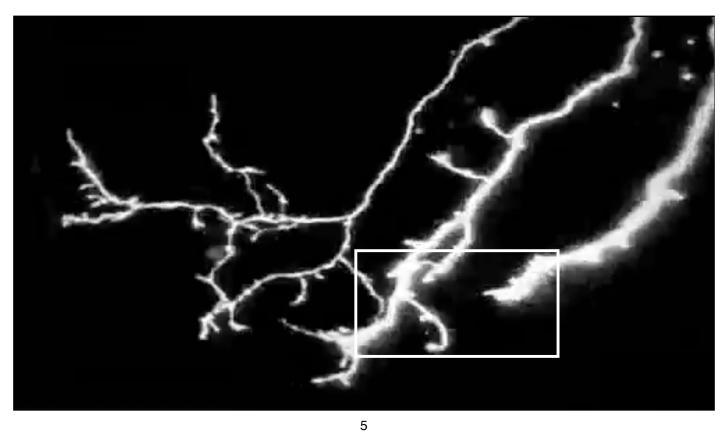
Colloque pédagogique du Collège Ahuntsic 2024 - 10 janvier 2024 Steve Masson, professeur à l'Université du Québec à Montréal



# **Principe 1**

3

Apprendre, c'est changer son cerveau.



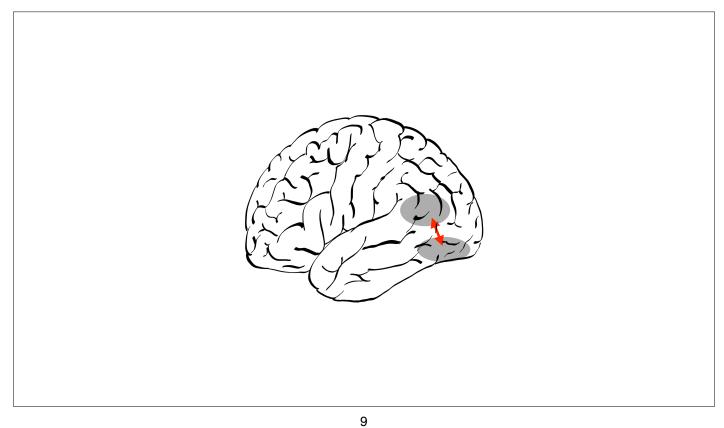


Les neurones qui s'activent ensemble se connectent ensemble.

7

## Analogie de la forêt





J

### **Principe 1**

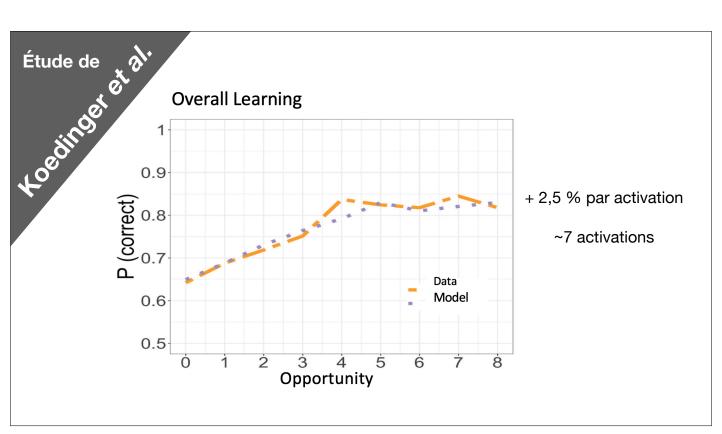
Activer à plusieurs reprises

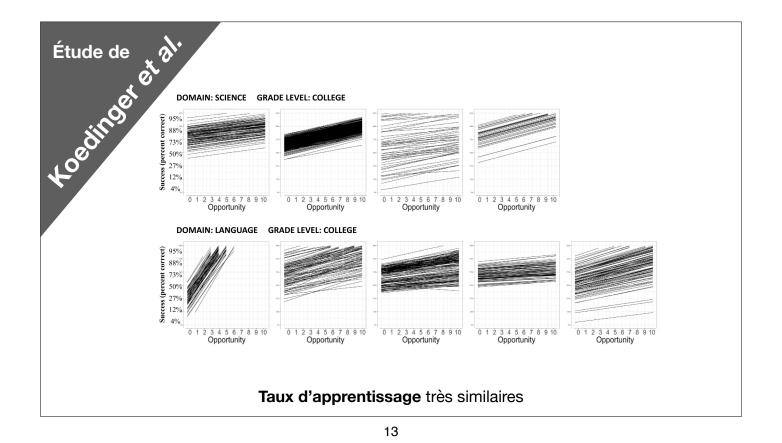
Comment?

### Stratégie 1

Planifier plusieurs moments d'activation





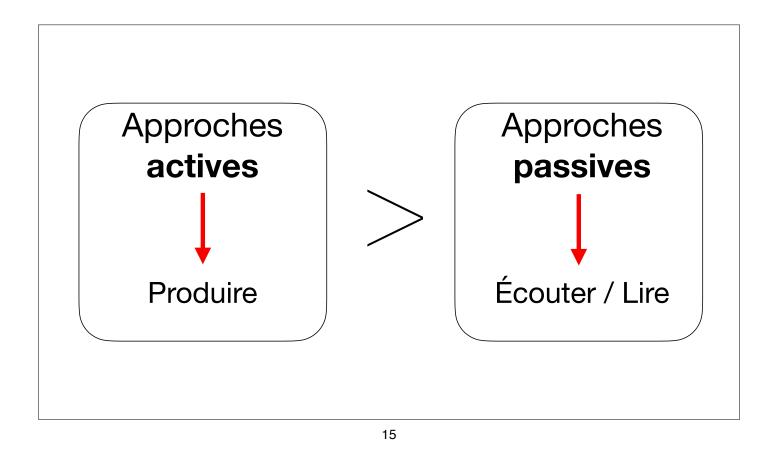




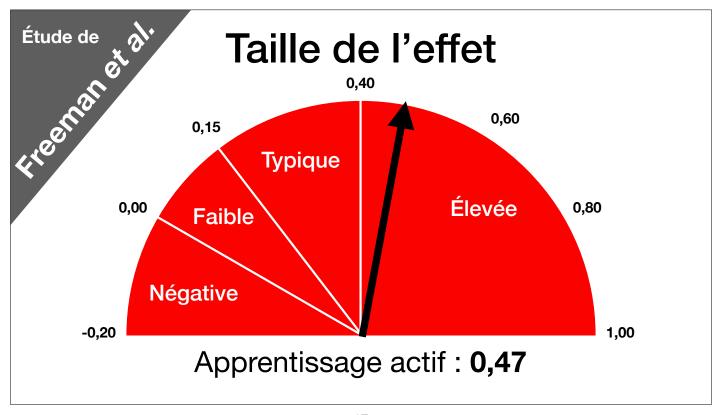
#### Comment?

# Stratégie 1 Planifier plusieurs moments d'activation

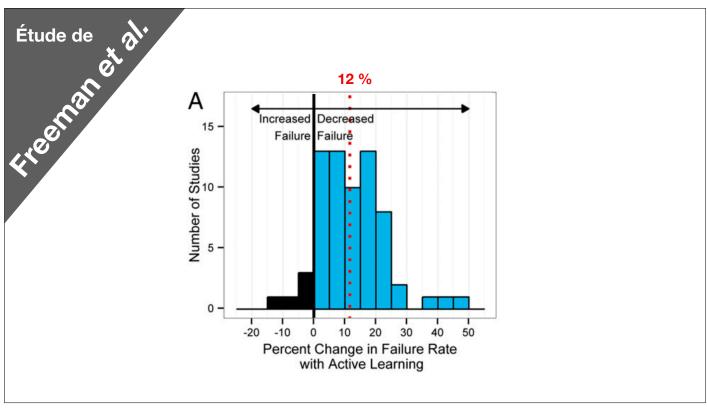
# Stratégie 2 Utiliser fréquemment des approches actives







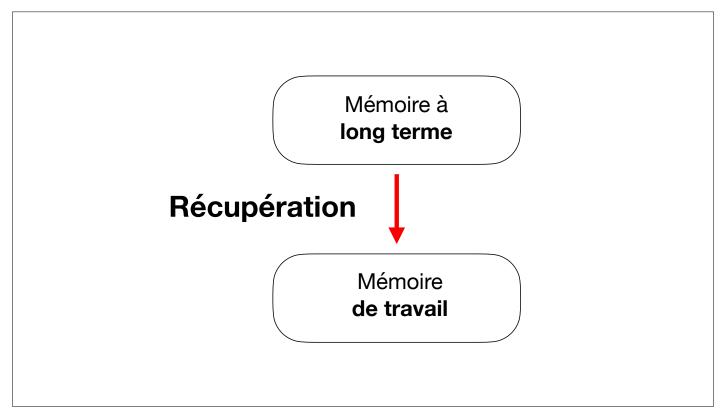




# Quelles sont les **approches actives** les plus **efficaces** ?

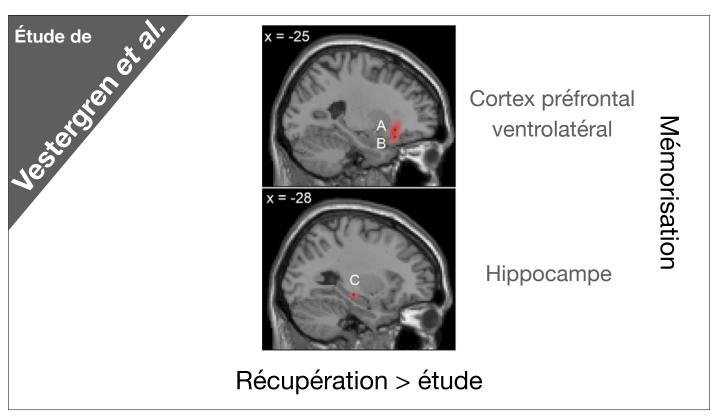
19

## **Principe 2**

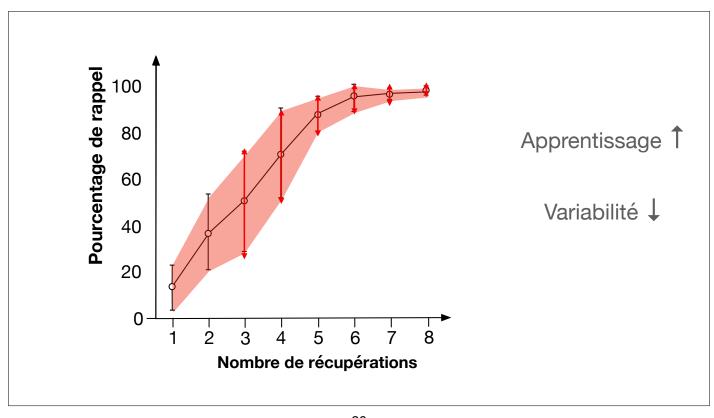


Récupérer = Réactiver



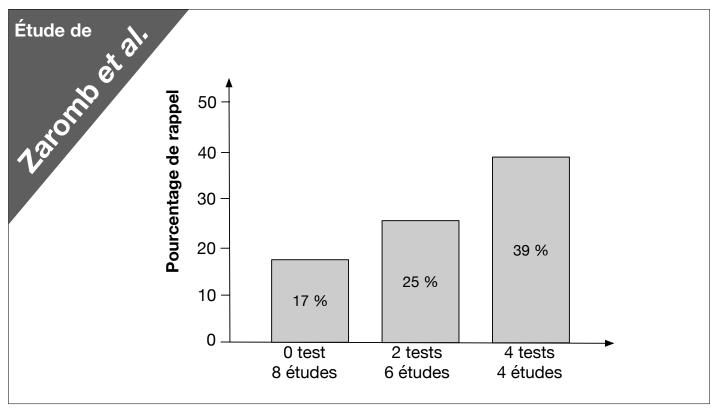




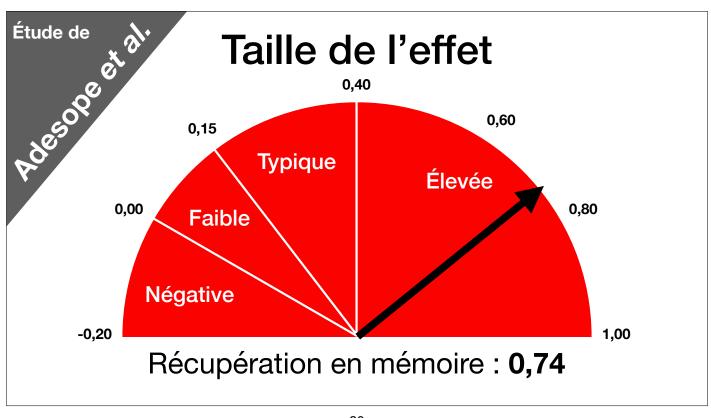




Effets des tests vs étude







#### **Principe 2**

Récupérer en mémoire

#### Comment?

#### Stratégie 1

Faire fréquemment des tests

#### Stratégie 3

Laisser du temps pour récupérer en mémoire

#### Stratégie 2

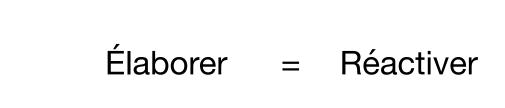
Répondre souvent à des questions

#### Stratégie 4

Donner des indices

31

## **Principe 3**



Élaborer = récupérer en mémoire + établir des liens

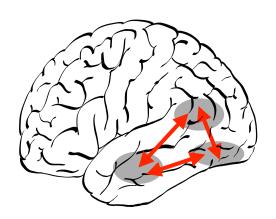
### Élaborer =

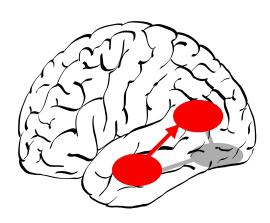
## activer des **neurones** liés à l'apprentissage **visé**

+

#### activer d'autres neurones

(notions reliées, connaissances antérieures, etc.)

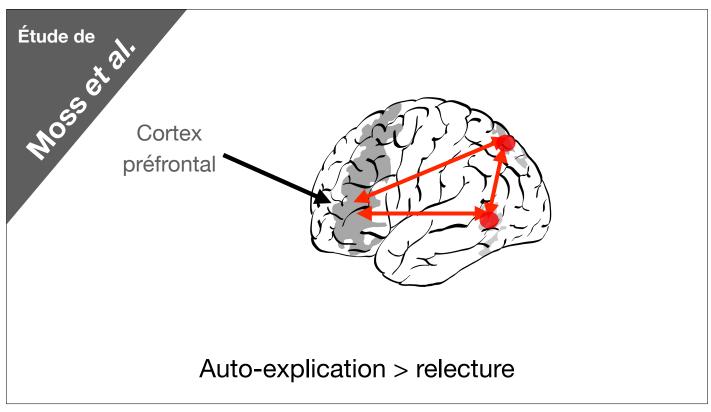


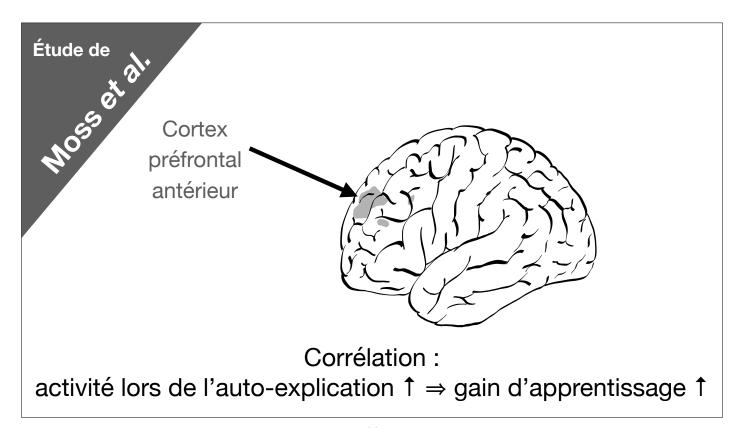




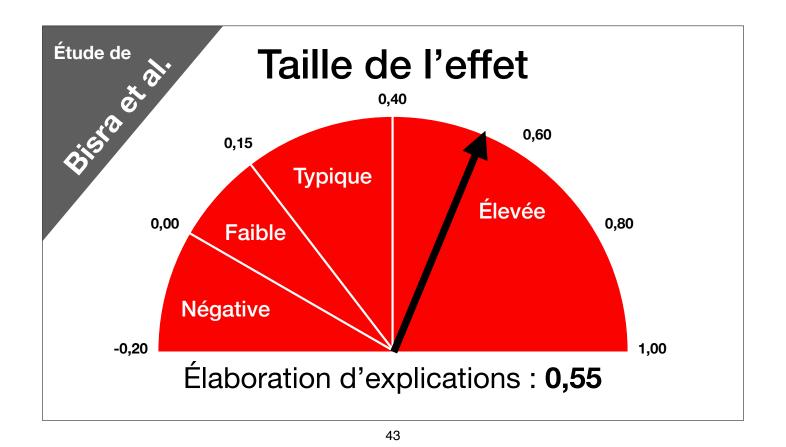


51 % de rétention vs 41 %











## Synthèse

