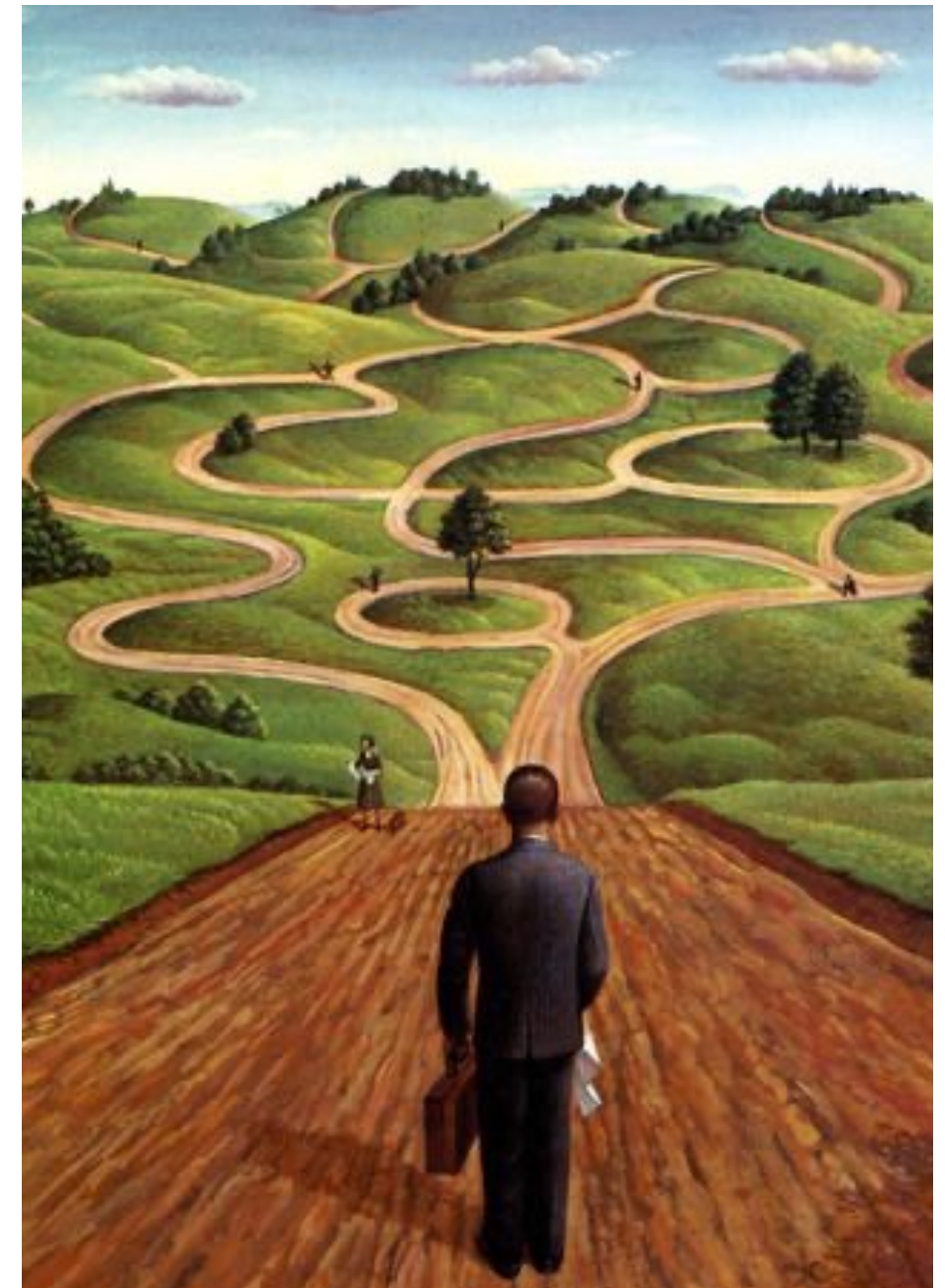


# Number of routes & double dissociation

- Double dissociation > 2 routes
- But one route/processing damaged in two different manners could display the same dissociation ( $\sim$ PDP simulations)
- An observed difference/dissociation is not always directly transposed in the processing architecture. (Davies, 2010)



## Learning procedure or not

- PDP : a general learning algorithm  
(retropropagation of error)
- CDP+ : a learning algorithm for the non-lexical route  
(delta learning rule)
- DRC : no learning, fixed conversion rules, models  
critical values are entered manually in the model by  
researchers based on external statistics

### **Having a learning algorithm potentially allows :**

- to simulate reading development
- to simulate frequency trajectory effects
- to have a independent explanation for some effect