Hippocampal role in the interaction of semantic memory with learning and decision

* Especially with associative learning, how is it affected by already existing semantic associations
* Especially since associative learning since to rely strongly on the hippocampus, as do many memory processes

So we rely mostly on associative inference for our investigation

* Simply put, it is the ability to make indirect associations:
  + If you learn A-B and B-C, you can deduce A-C
* It seems straight forward but it involves many processes

And studies have shown the regions and processes involved for different steps of associative inference

* OFC seems to play a central role, as its lesion or inactivation strongly impairs this abibilty
  + And functinal imaging as allowed to make a correlation between functionnal connectivity between OFC and hippocampus and performance in this task.
  + Overall, results seems to indicate that this is central for representation of current and associated state.
* This ability is particularly useful if the C state is not unconditioned but rewarded,
  + In this case, we can see how it is adaptive to be able to make the link between a neutral stimulus indirectly associated with a reward
  + So if value learning is involved, this recruits the striatum and the dopamine system for reinforcement learning
* If the indirectly associated value seems to be computed along the