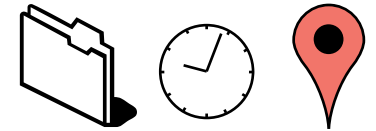


Amygdala

The amygdala is part of our 'threat system'. Its job is to keep us safe by alerting us to danger. It does this by setting off an alarm in our body: by triggering the 'fight or flight' response it gets us ready to act.

Unfortunately it isn't very good at discriminating between real dangers 'out there', or dangers that we are just thinking about: it responds in the same way. This means that it can set the alarm off when we are thinking about an unpleasant memory from the past, even though the danger has passed.



Hippocampus

The hippocampus helps us to store and remember information. It is like a librarian, and it 'tags' our memories with information about where and when they occurred.

When our 'threat system' is active the hippocampus doesn't work so well. It can forget to tag the memories with time and place information, which means they sometimes get stored in the wrong place. When we remember them it can feel like they are happening again