

Module:

Psychological Foundations of Mental Health

Week 2:

Cognitive Processes and Representations



Dr Charlotte Russell

Topic 1:

Perception

Part 2 of 2

Constructing our visual world

No exact copy of the visual world

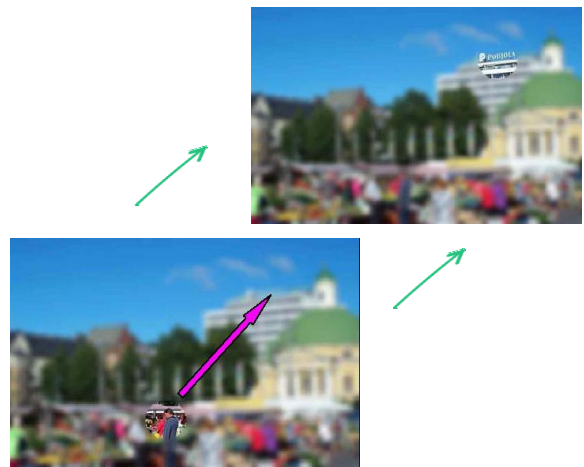
Eye movements
(known as saccades)



Integrated fixations



Illusion of stable visual world



Change blindness example

Play the video and try to spot the change in the image

Click [Next](#) to continue

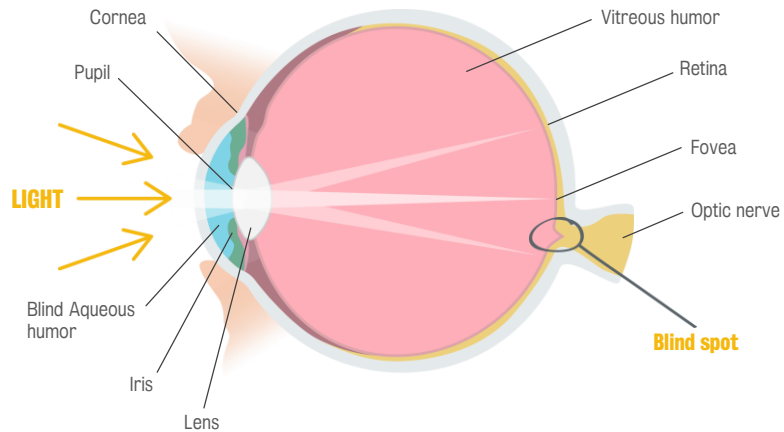
Change blindness example

Here you can see the difference between the two frames, did you spot it?



Click [Next](#) to continue

Constructing our visual world



The Blind Spot

If you are interested in finding your own 'blind spot', have a look at the blind spot exercise on this slide



How to find it:

- Draw a + on the right side of a piece of paper
- Draw a circle 20 cms to the left
- Look at the + and close/cover your right eye
- Move the paper back and forth until the circle disappears

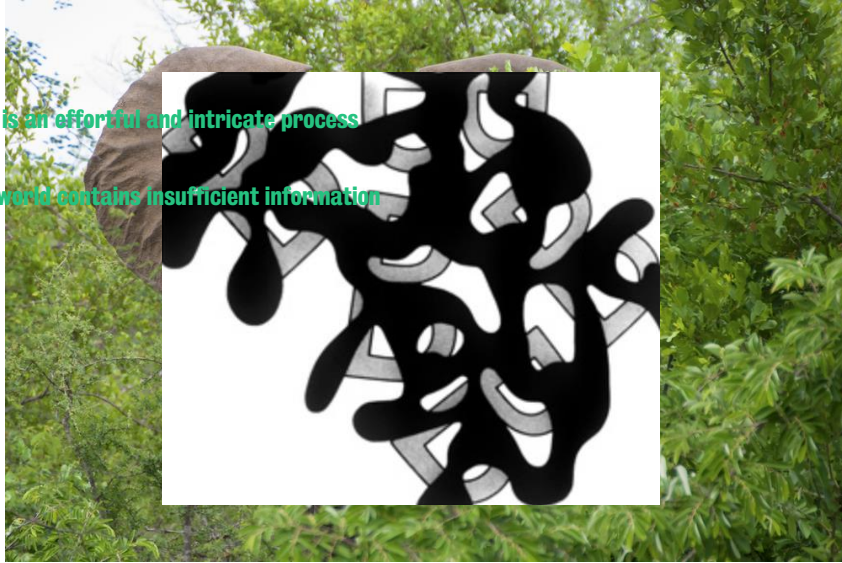


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Constructing our visual world (1)

Why perception is an effortful and intricate process

Input from the world contains insufficient information



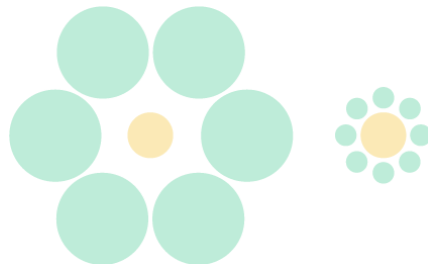
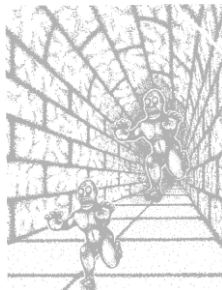
Constructing our visual world (2)



Constructing our visual world (3)



Constructing our visual world (4)



References

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- Rensink RA, O'Regan JK, and Clark JJ (1997). To See or Not to See: The Need for Attention to Perceive Changes in Scenes. *Psychological Science*, 8:368-373
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