

# Cumulative cultural evolution?

- (i) a change in behaviour (or product of behaviour, such as an artefact), typically due to asocial learning, followed by**
- (ii) the transfer via social learning of that novel or modified behaviour to other individuals or groups, where**
- (iii) the learned behaviour causes an improvement in performance, which is a proxy of genetic and/or cultural fitness, with**
- (iv) the previous three steps repeated in a manner that generates sequential improvement over time**

Research question

**Is copying essential for  
cumulative cultural evolution?**