



Authentication of Unique Opportunity and Understanding of Primate Social Learning and Cognition

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DESCRIPTION

Since the earliest studies on the topic, observations of wild non-human primates (henceforth: primates) have been essential for the study of social learning and social cognition. For example, the animal cultures debate was first sparked when a wild Japanese macaque was seen washing sweet potatoes, a novel behaviour that later spread among her group (though it is now debatable whether this spread was due to social learning or other factors such as provisioning). In the animal realm, social learning-learning from seeing the actions of another species or its by-products is very common, but it is particularly common in humans. A lot of research has been done on social learning since it is anticipated to be highly adaptive, especially when used selectively through the use of social learning tools. Due to the social and environmental situations that animals are living in, studying primate social learning and social cognition in the wild presents a variety of uncommon chances.

Recent studies of wild primates have shown the advantages of conducting both observational and controlled experimental studies in the field, despite the fact that much ground breaking research on primate social learning has been conducted in captive settings, frequently benefiting from the opportunity to conduct carefully controlled experiments. The capacity to watch and/or test an animal in its native social and environmental context is a fundamental benefit of research involving wild monkeys. We want to emphasise how research on wild primates has taken advantage of the special opportunities provided by the environments in which they dwell in the text that follows. This covers a wide range of social activities, such as dispersal, courting, and mating, which are difficult to replicate in captivity. It also explores social learning mechanisms and attentional

biases within groups by taking use of naturally occurring group demography. Comparing nearby populations has led to important discoveries about cultural practises at the level of the larger population, and at this level, intergroup interactions between monkeys offer a special window into social cognition. Long-term field sites have enabled species-level behavioural comparisons involving cultural habits, which is achievable on a much larger scale. Last but not least, environmental circumstances and issues that are not encountered in captivity, like environmental change, natural foraging possibilities, and the existence of environmental threats, have also given researchers valuable information study of the social cognition and social learning of wild monkeys.

Examining innate social learning biases is possible through research on wild primates. Numerous transmission biases that may exist in monkeys have been studied in captivity, and similar techniques that use trained models to show task solutions have also been used with wild primates. Recent wild diffusion research have shown which biases work when a person has a large social group to possibly learn from, despite the fact that such studies can provide controlled comparisons between various model types and behavioural payoffs. Importantly, this research can start to show how various social learning biases may interact in a naturalistic group context where people have access to a variety of potential models with various personal traits and possibly varying rewards for their actions. Although Despite the operational difficulties of such investigations, new advancements in statistical approaches enable the analysis of the generated complicated datasets (papers using such techniques). The potential to explore attentional biases that can underlie social learning biases is also provided by studies on wild primates.

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