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**Darwin, Time and Morphology:
Constraints on Sociality in Primates and their Implications for
Evolution**

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Abstract

Primates are intensely social animals, and this imposes a constraint on a species' capacity to occupy different kinds of habitats since animals must be able to maintain groups of a minimum size to cope with the demands of a particular habitat. Two key constraints in this respect are time and predation risk, both of which are influenced by morphology. Time is about animals' abilities to balance their time budgets while meeting both the demands of foraging and nutrient intake and the maintenance of the social bonds that ensure group cohesion through time. When species cannot balance their time budgets, they must either evolve a new adaptive strategy or go extinct. I will consider the implications of our time budget models for species evolutionary history and extinction risk.