

Modelling the spatio-temporal distribution of Sumatran tigers and their prey

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The aim of my project is to explore in detail probability models for the detection and occupancy of multiple species looking at both spatial and temporal interactions, and apply the findings to the case of the Sumatran tiger and its prey species.

Sumatran tigers are critically endangered. Modelling the interaction with its prey would provide useful information for its conservation. Models will incorporate relevant environmental data as covariates (e.g. season, anthropogenic threats, habitat characteristics...) and will be fitted to existing data from Kerinci Seblat National Park, including information from camera-traps and indirect signs of the animals.



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