



Insular biodiversity: biogeography of reptiles of Malagasy near-shore islands

Fandresena RAKOTOARIMALALA

THE LEONA M. AND HARRY B.
HELMSLEY
CHARITABLE TRUST



Problematic



No biogeographical study of Reptiles on the malagasy near shore islands

Objectives

1. Investigate whether the diversity of reptiles on the near-shore island follow the island biogeography theory (MacArthur & Wilson 1967)
2. Understand the biogeographical affinities

Methods

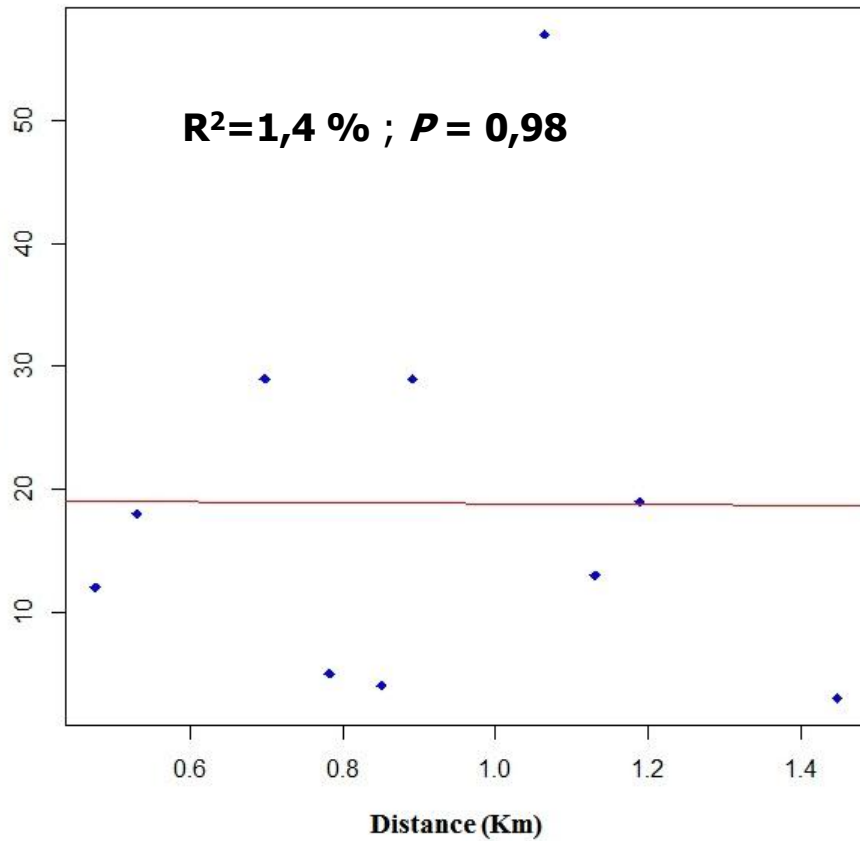
- Recent Inventories + data from literature
- Map projection

Data analysis

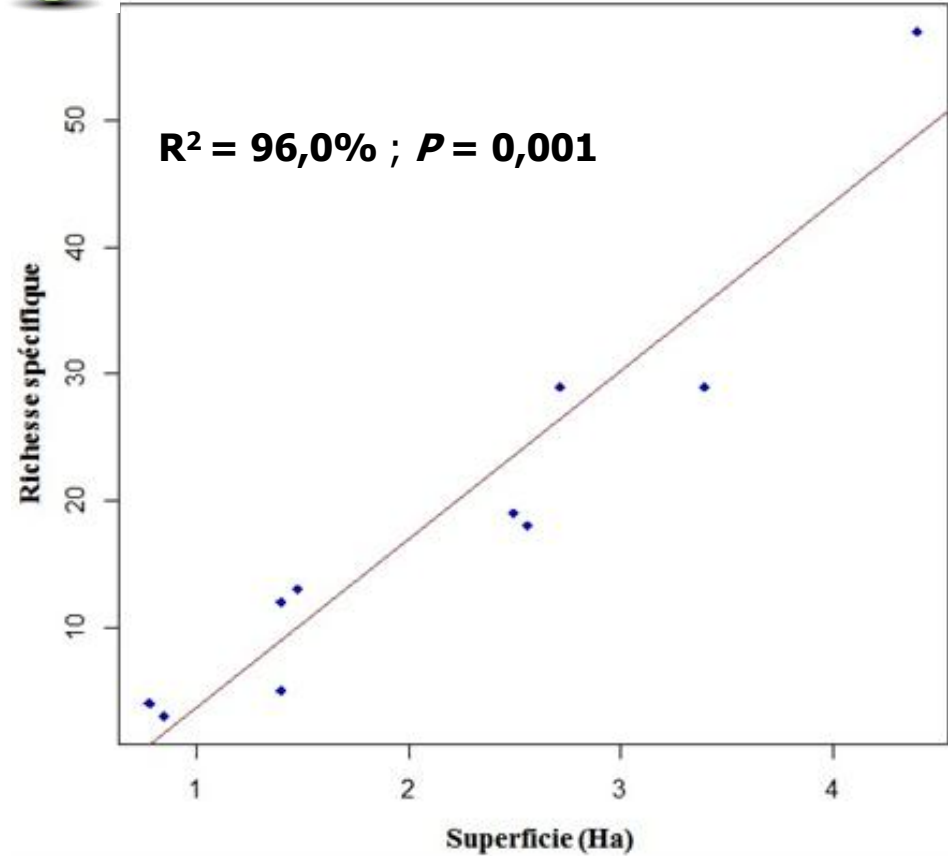
- Linear regression : to explore relation between species richness-distance
species richness-island size
- Jaccard Index : to assess the biogeographical affinities

Results

Relation : species richness-distance



Relation : species richness -size



Classical MacArthur & Wilson island biogeography theory is partially supported