

# Chapter 16-3: The Process of Speciation

## Essential Questions:

- What factors are involved in formation of new species?
- How did the process of *speciation* in Galapagos finches occur?

- Isolating mechanisms-reproductive isolation
  - Behavioral isolation

**(a) Courting dance**



**(b) Pointing display**

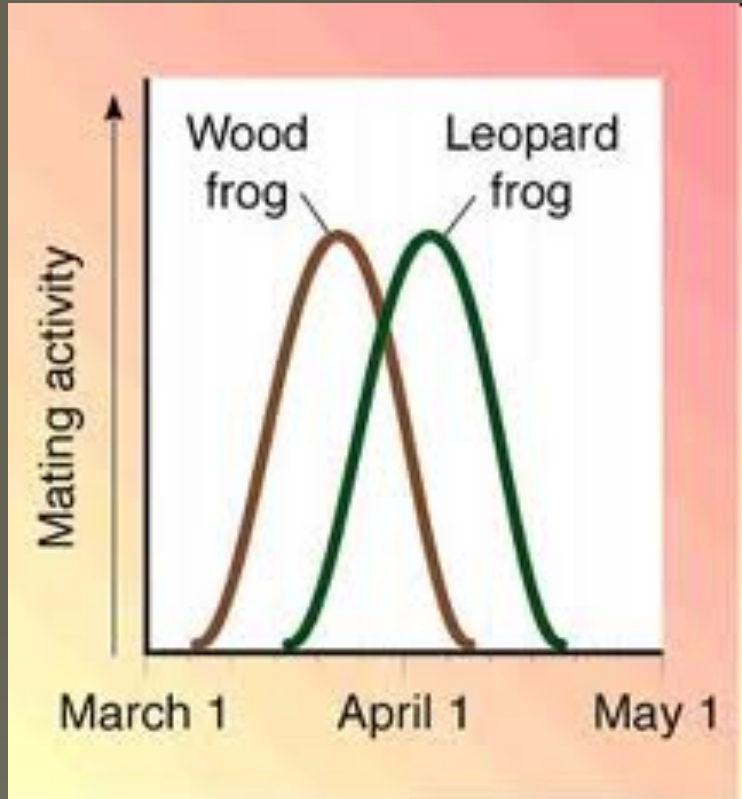


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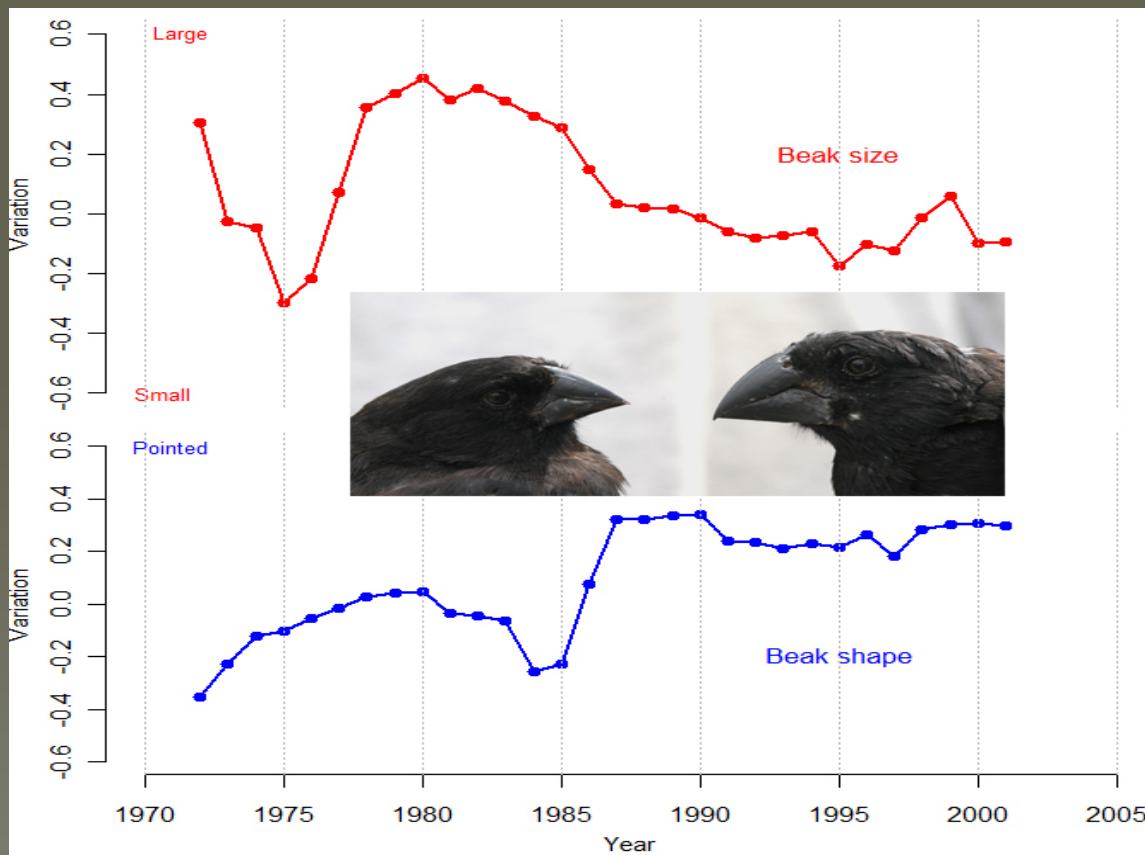
- Geographic isolation



- Temporal isolation



- Testing natural selection in nature
  - Galapagos -Darwin's finch hypothesis
    - Variation
    - Rapid evolution



# ➤ Speciation in Darwin's finches

- see p. 410, Fig. 16-17 in text

