

Difference between new rare species and total rare species in an additional ecological sample

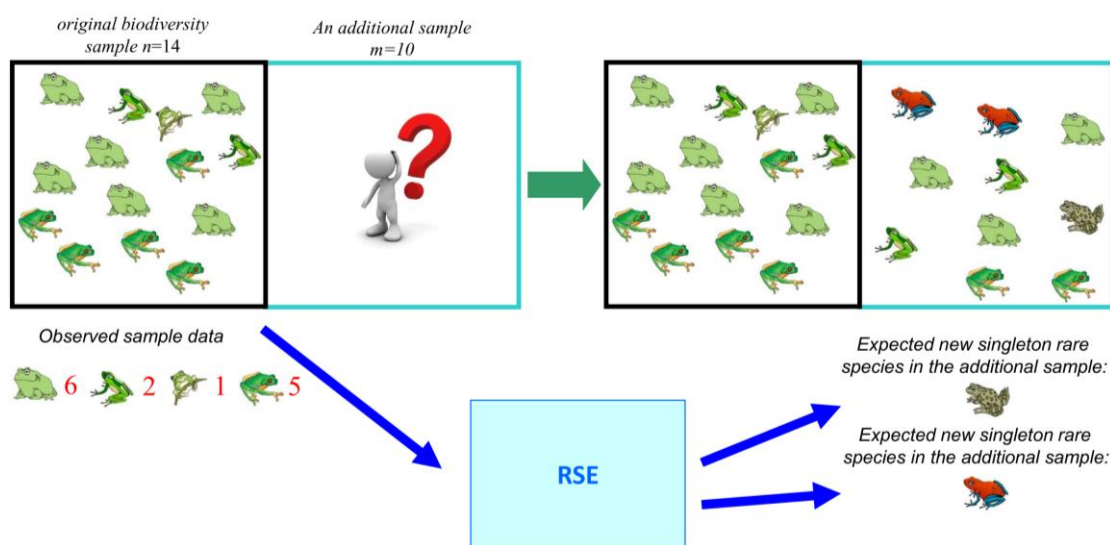
Youhua Chen, Tsung-Jen Shen

Ecologists have some sorts of biodiversity data in hand, when an additional ecological sample has not been surveyed, suppose the sample size is given, how many rare species in this additional sample? How many these rare species are new species?

Here, we use two cartoons to describe the difference between new rare species and total rare species estimation in an additional ecological sample, using RSE and fRSE packages, respectively.

A)

RSE package is to predict the number of new rare species in the additional un-surveyed ecological sample



B)

fRSE package is to predict the number of all rare species in the additional un-surveyed ecological sample

