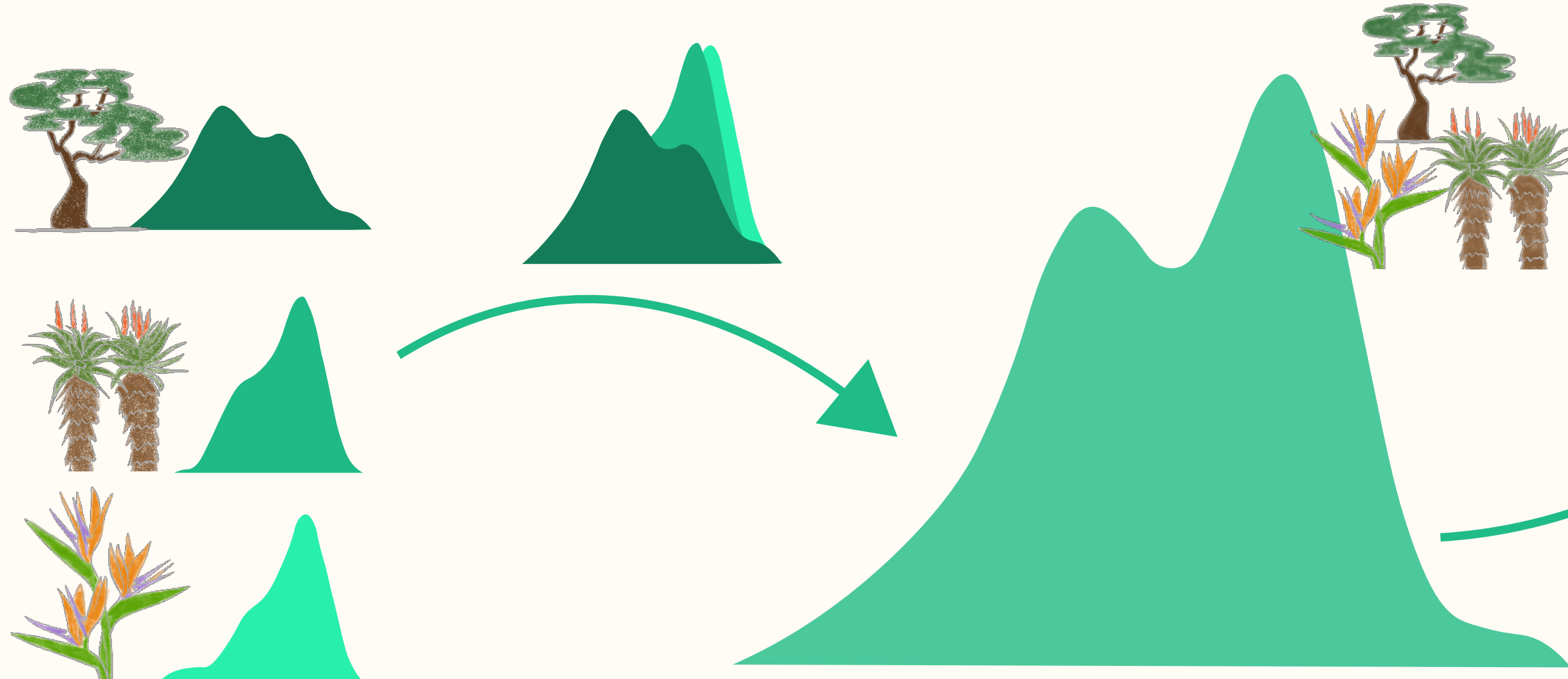


FREQUENCY DISTRIBUTION

Species distributions



Species level

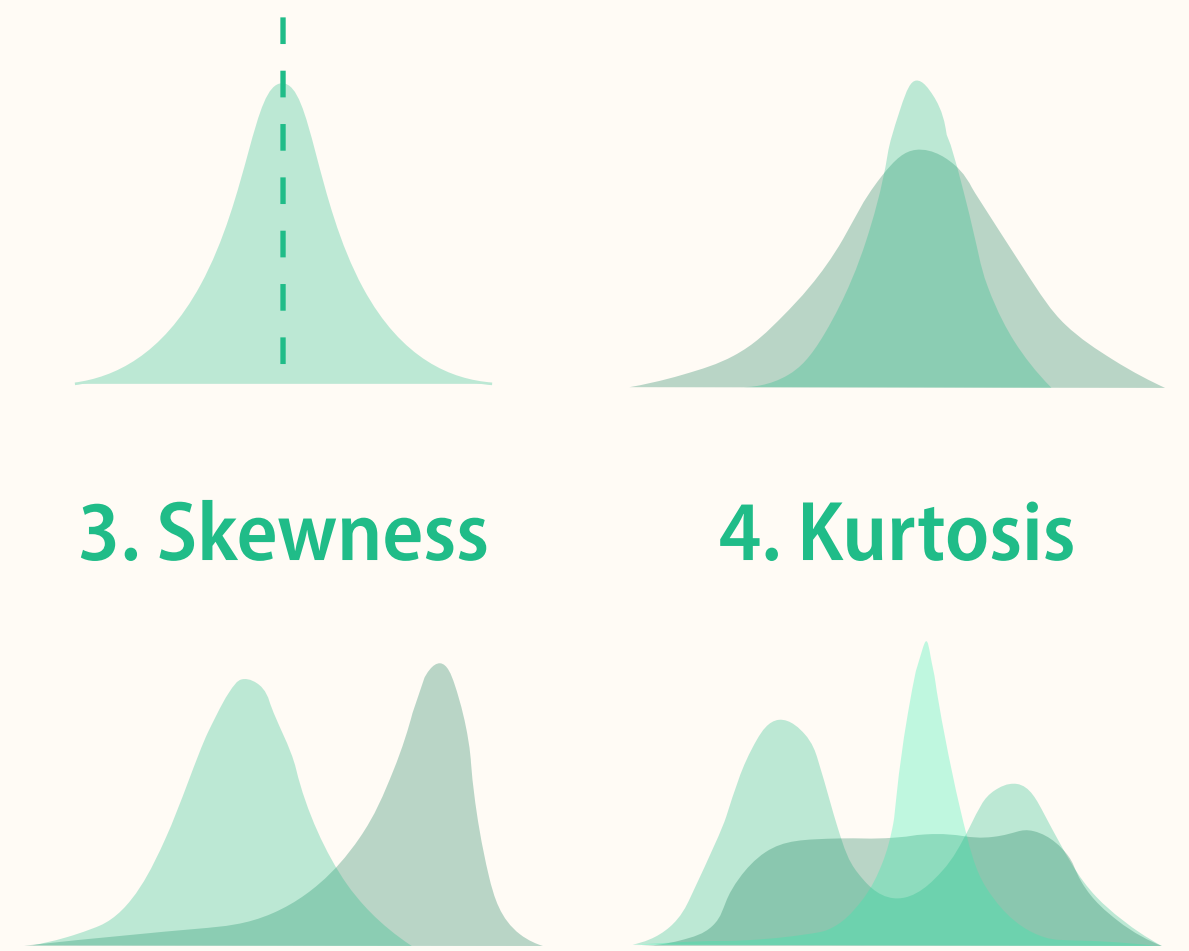
Community level

1. Mean

2. Variance

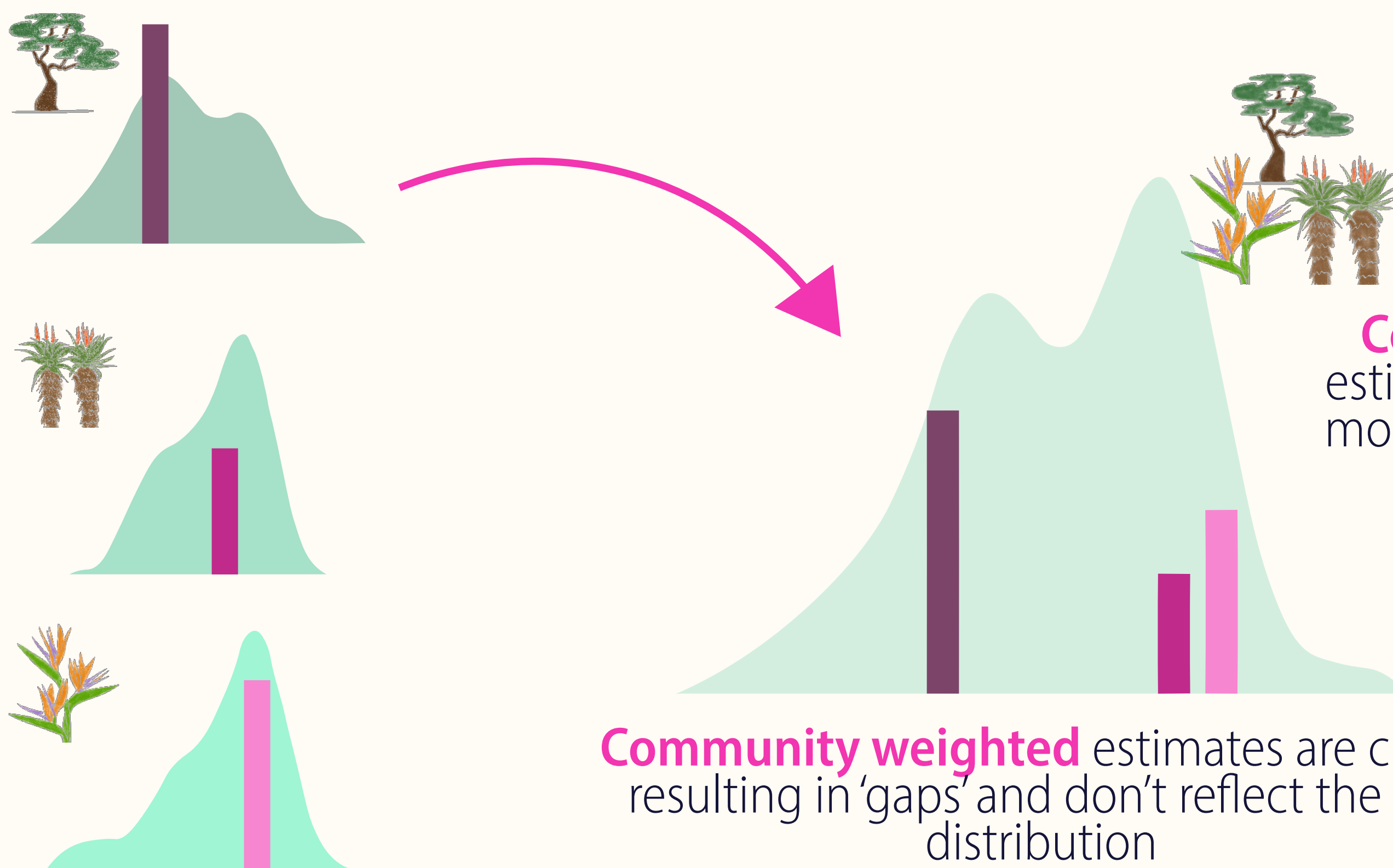
3. Skewness

4. Kurtosis



Moments

COMMUNITY WEIGHTED MOMENTS

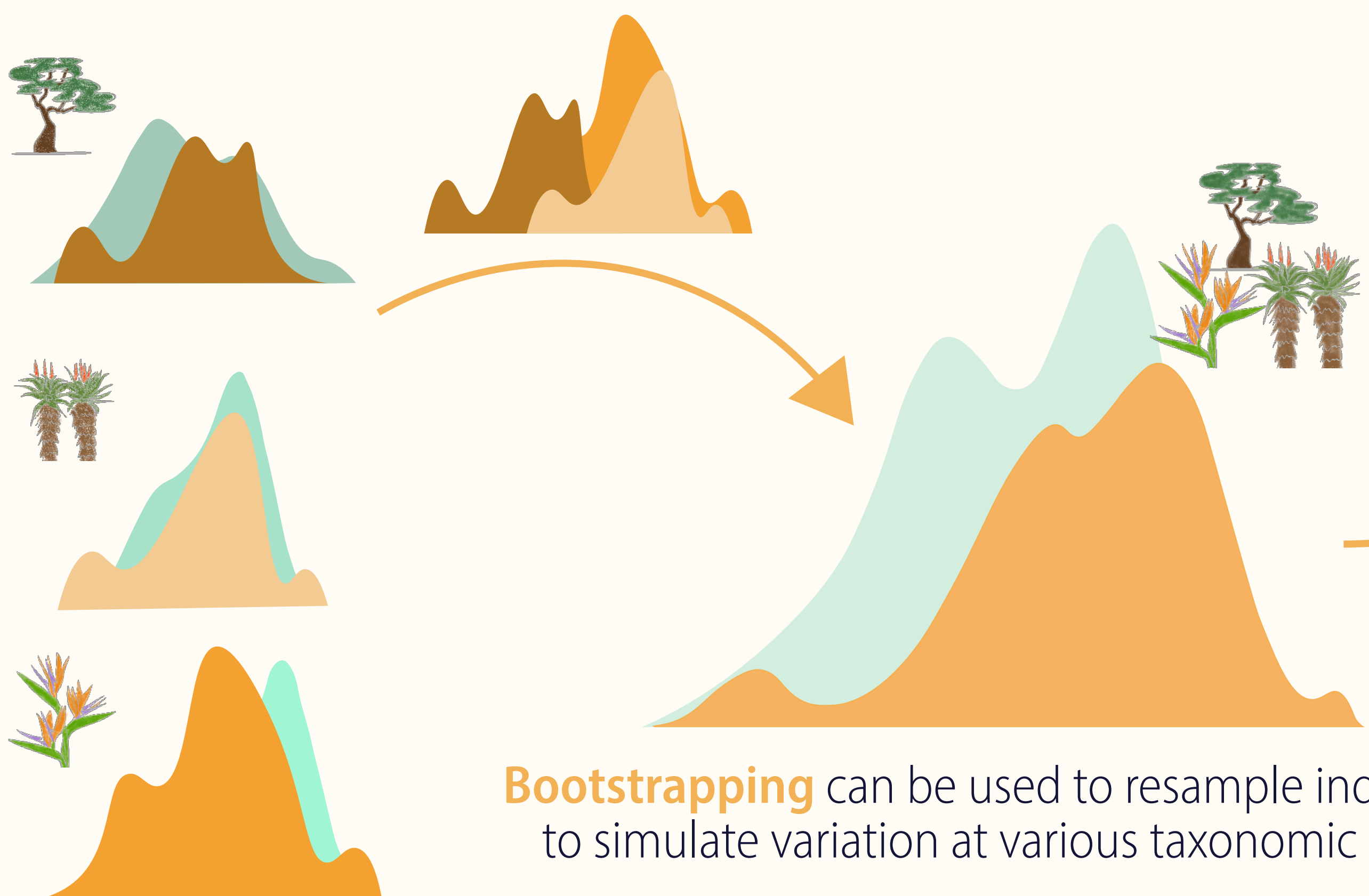


Community weighted estimates are crude resulting in 'gaps' and don't reflect the full distribution

Community weighted estimates yield estimates of moments but these tend to be biased

True mean

BOOTSTRAPPED MOMENTS



Bootstrapping can be used to resample individuals to simulate variation at various taxonomic levels.

Bootstrapping yields more accurate moments as well as calculating *confidence intervals*