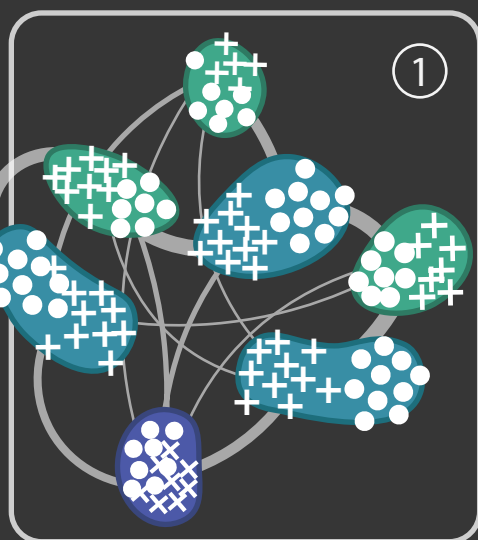# Partitioning acoustic similarity
across individual birds and years

Songs identified by the model as most similar across years ③ are from the same individuals, without overlap with the distribution of pairwise song similarity with all other birds ①. This allows 100% accuracy in identifying birds across years from their songs.

Between all birds and songs

Within individual repertoires

● 2020
+ 2021

same song type in
the same year ④

all other birds
① in the dataset

the most similar song
across years ③

same song type in
different years ②

Density

0

1

0

Pairwise song similarity

1