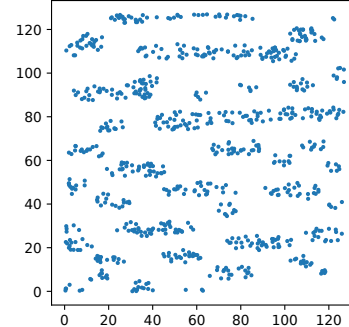
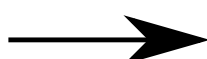


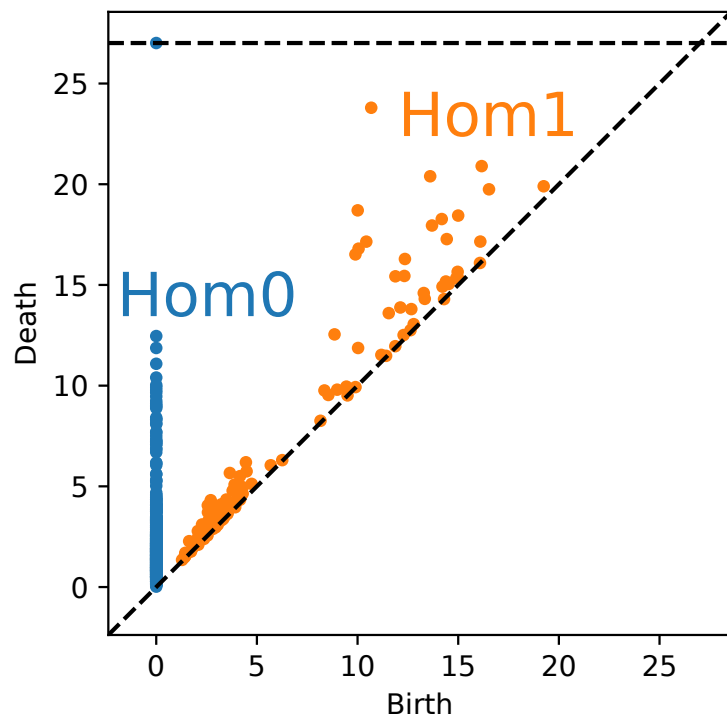
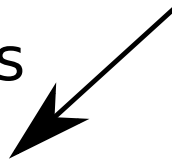
binarization



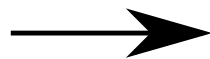
sampling



Topological Data Analysis



Persistent  
image



Hom0



Hom1

