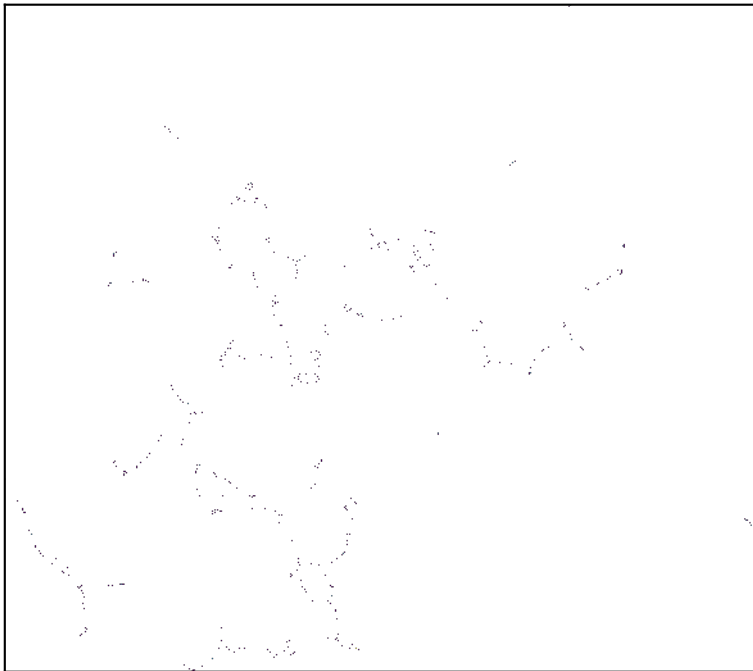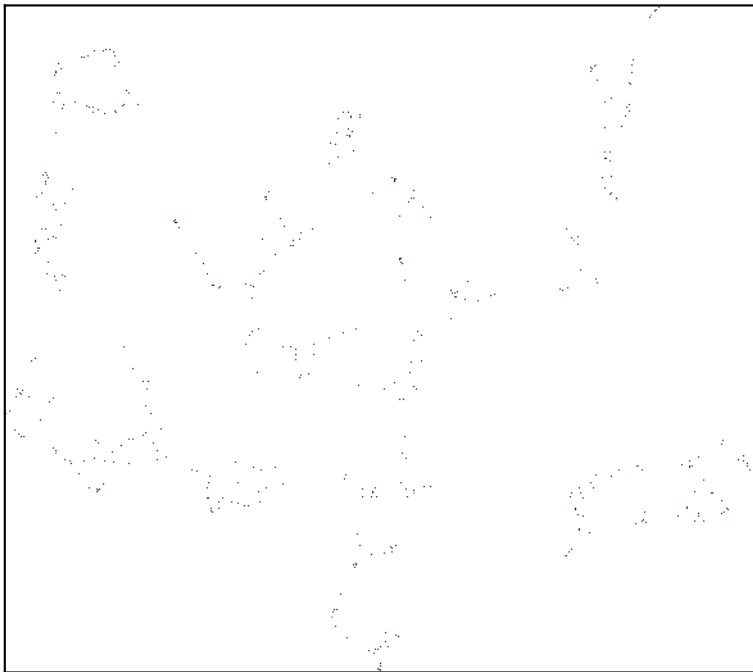n_neighbors=4  n_neighbors=5  n_neighbors=6  n_neighbors=7  n_neighbors=8  n_neighbors=9
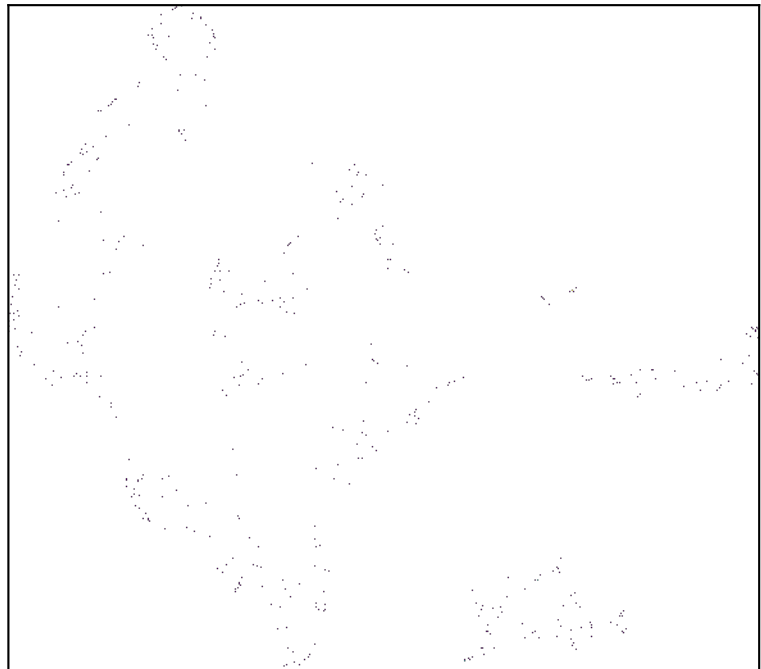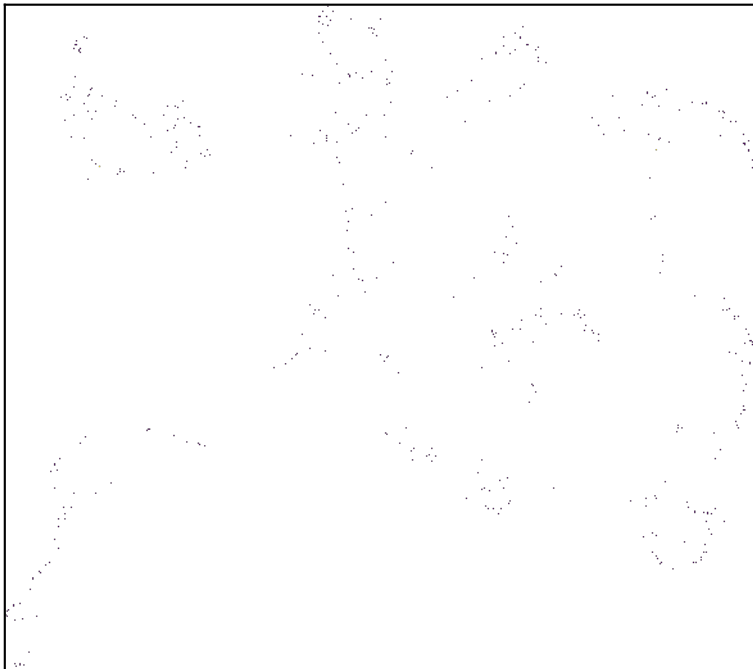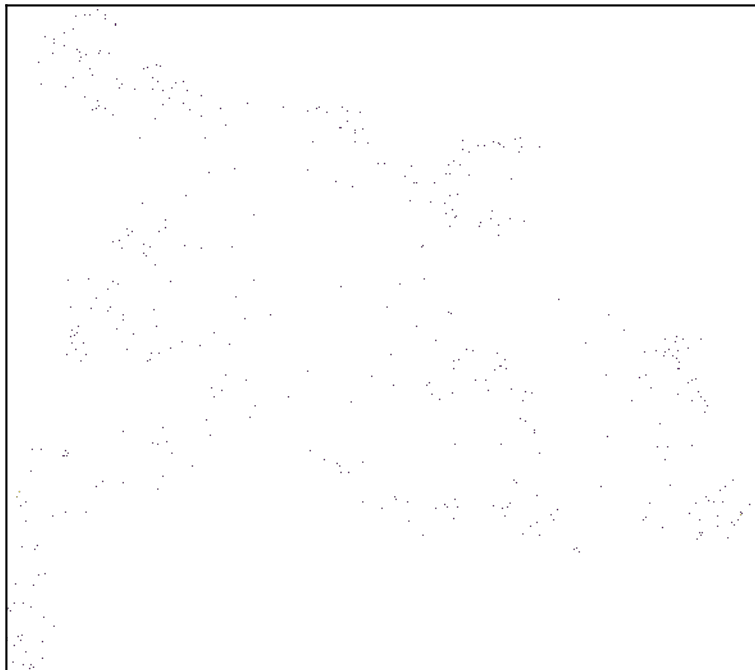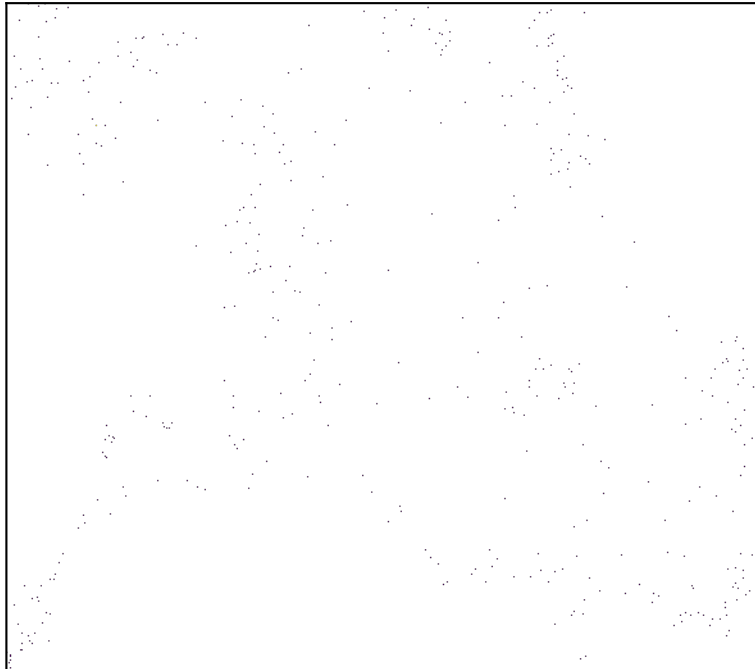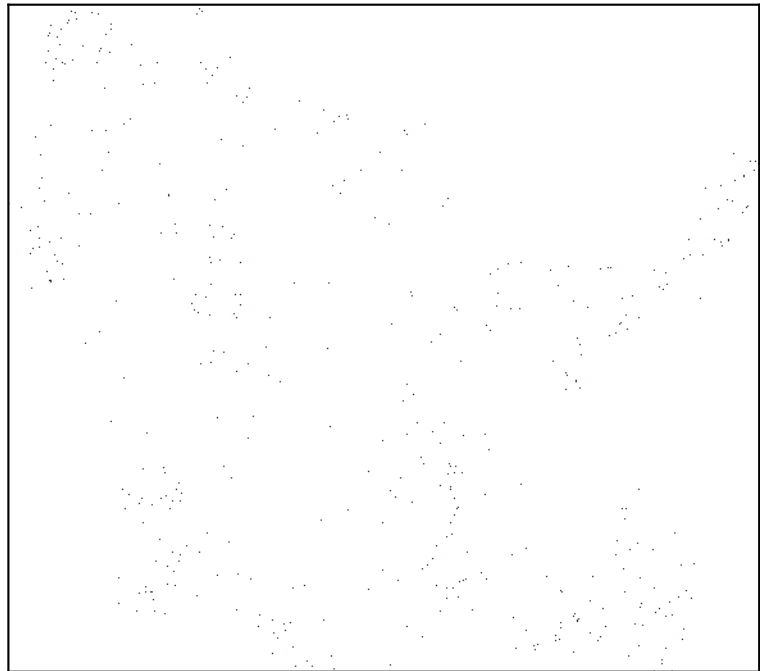
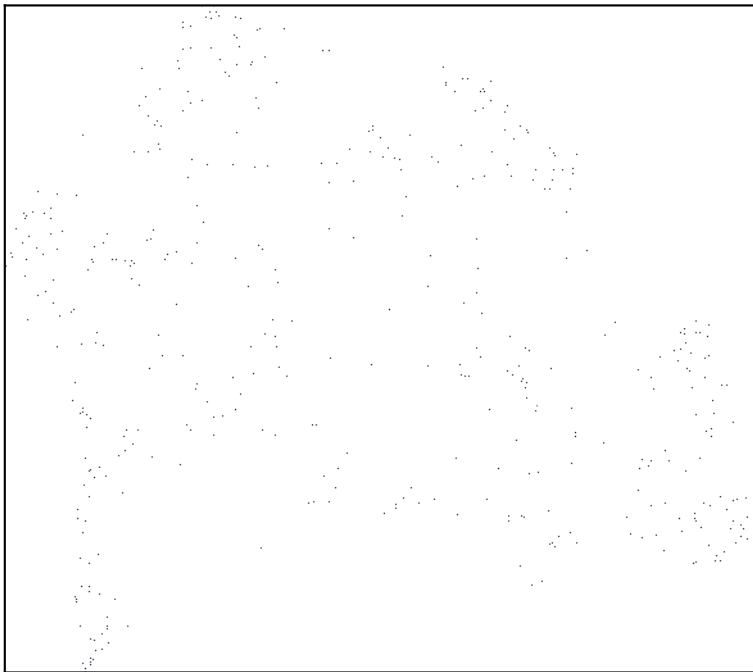## n_neighbors=10

## n_neighbors=20

## n_neighbors=30

## n_neighbors=40

## n_neighbors=50

## n_neighbors=60

## n_neighbors=70

## n_neighbors=80

## n_neighbors=90

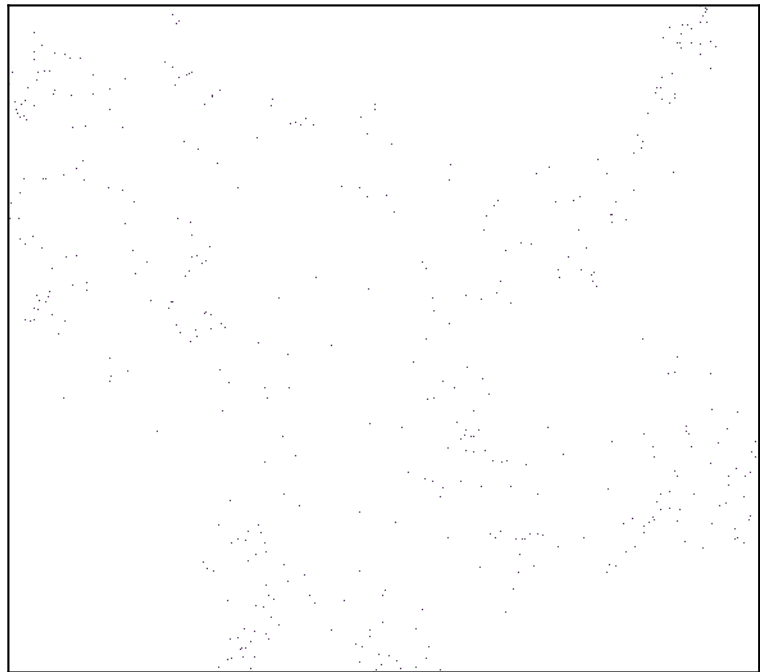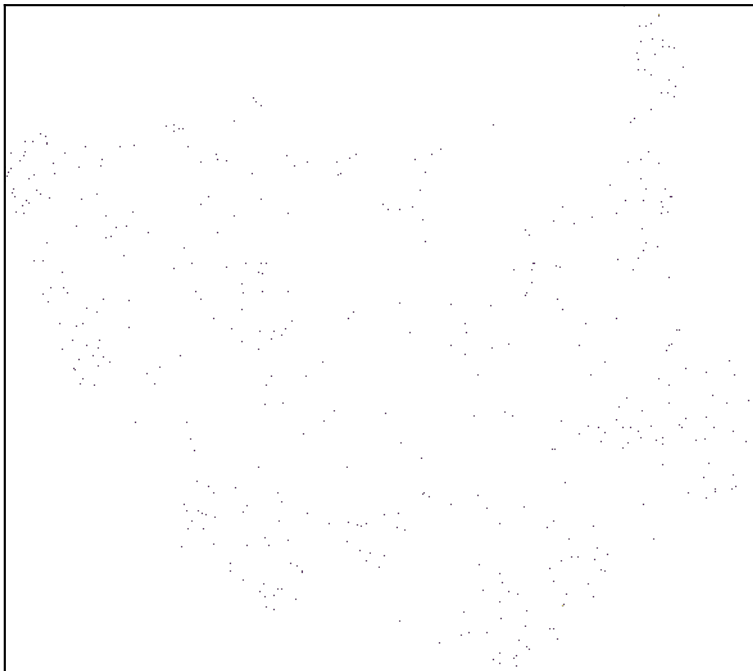## n_neighbors=100

## n_neighbors=150

## n_neighbors=200

n_neighbors=250