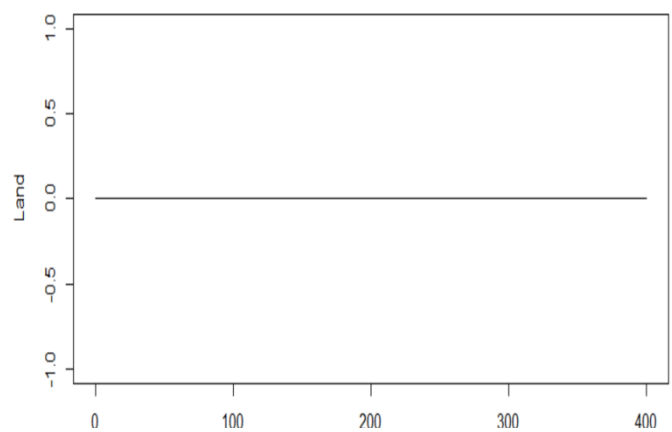
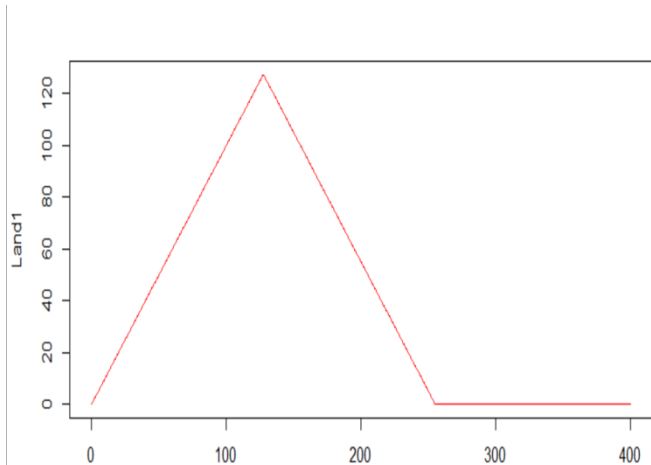
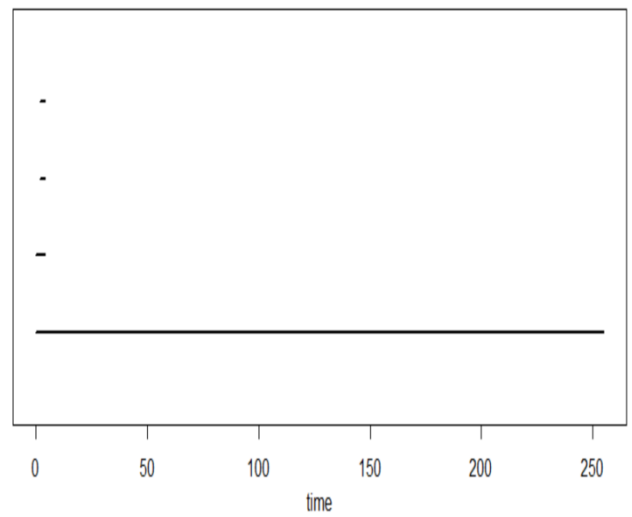
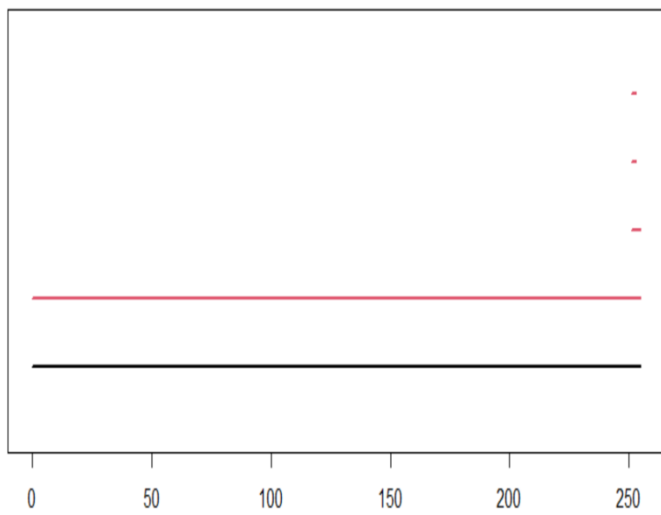
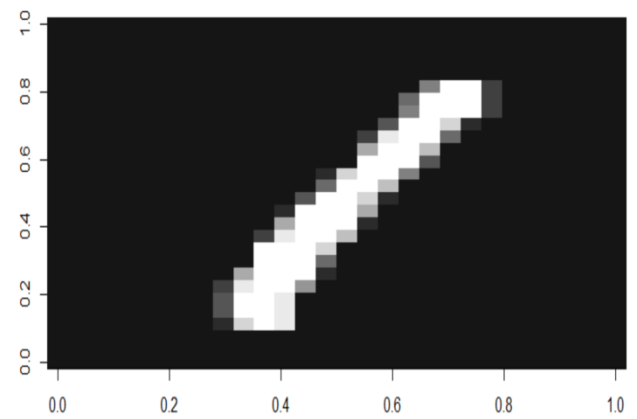
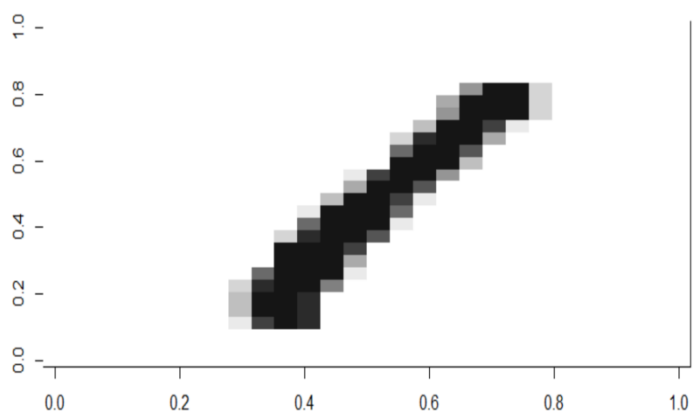


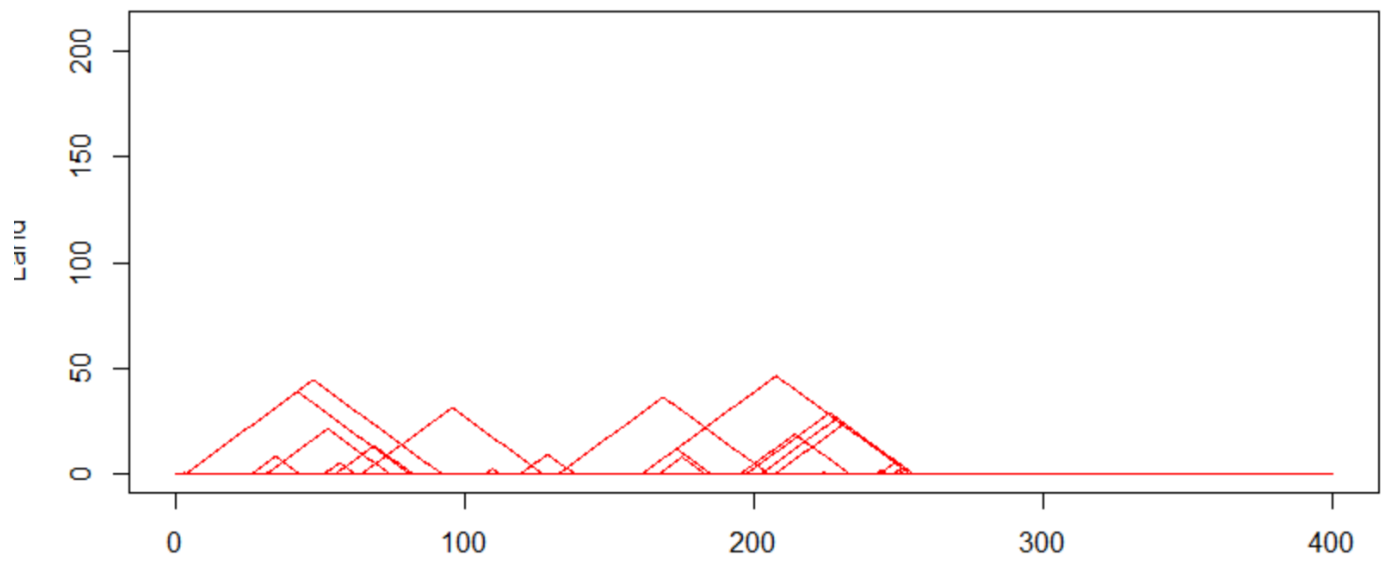
MNIST DATA

1. DIGIT 1

1.1 Analysis for n=4

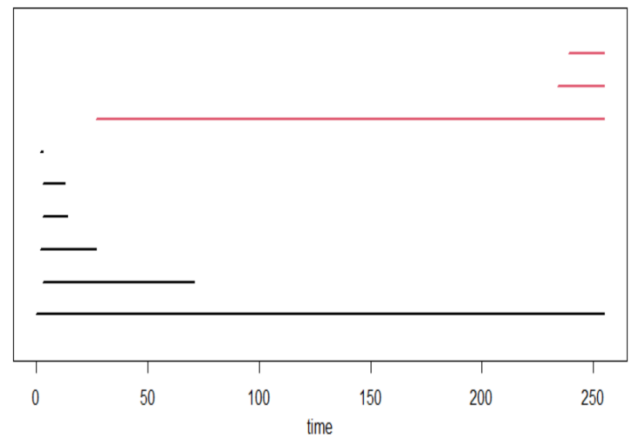
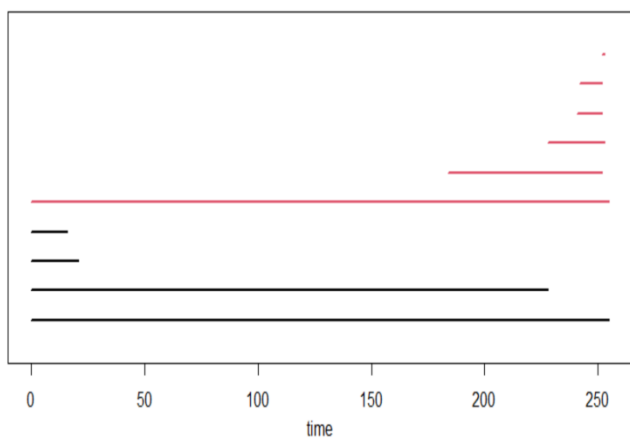
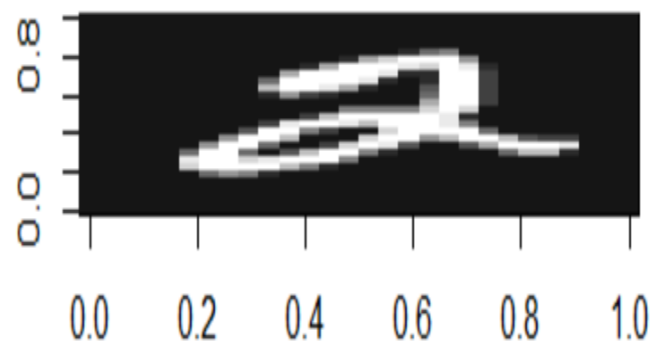
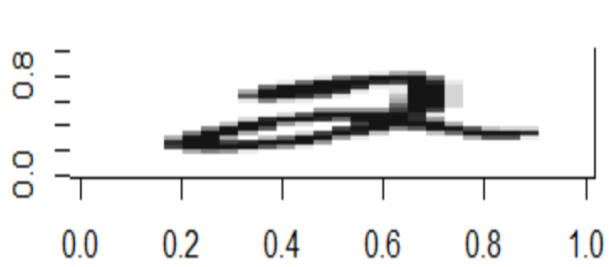


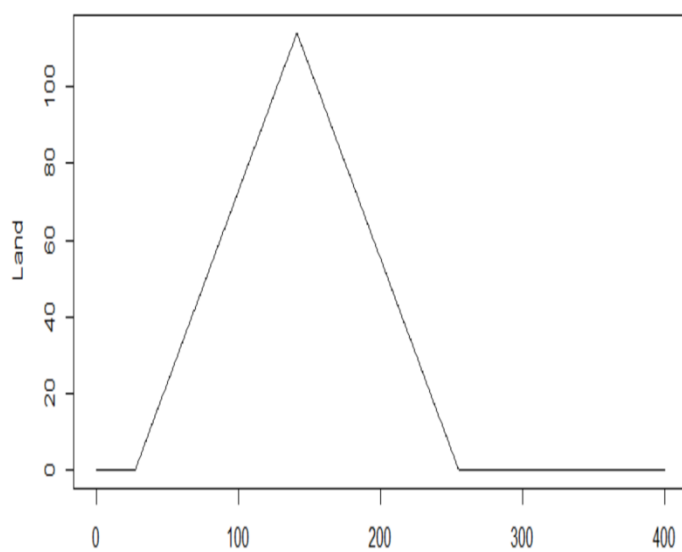
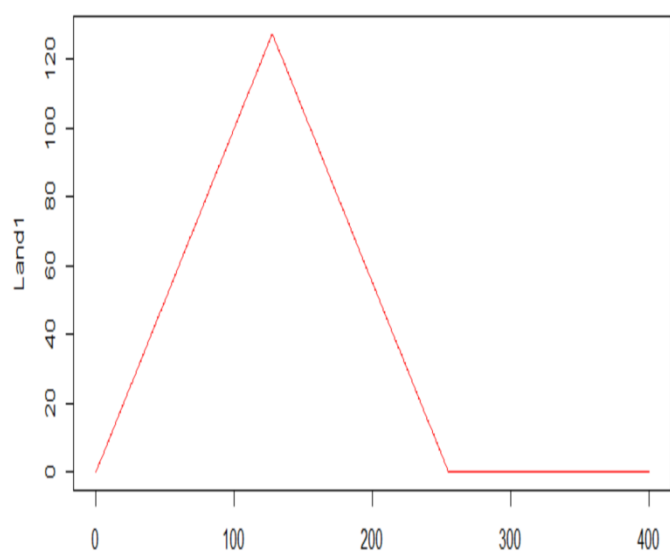
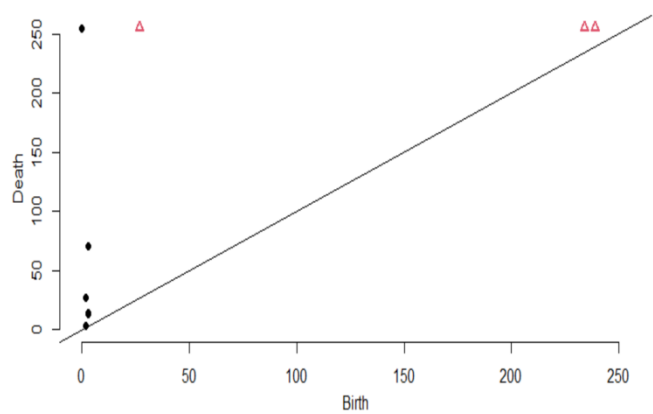
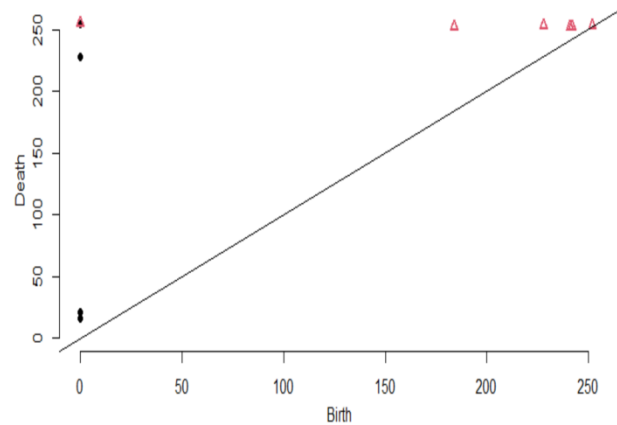
1.2 Landscape using 891 samples of complement of image



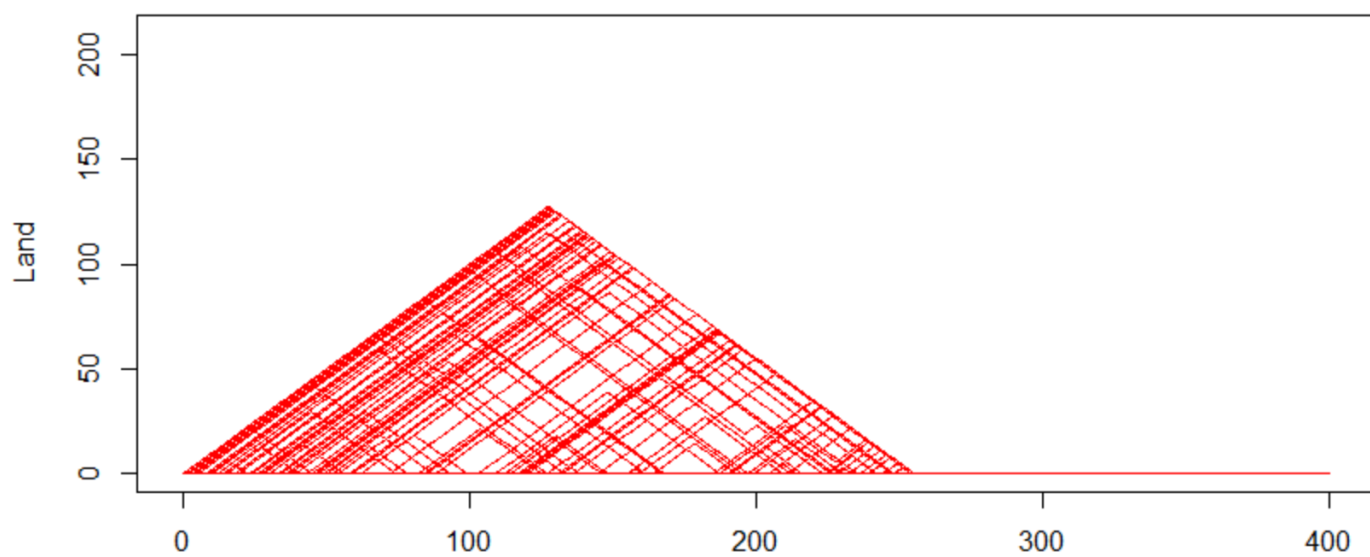
2. DIGIT 2

2.1 Analysis for n= 6



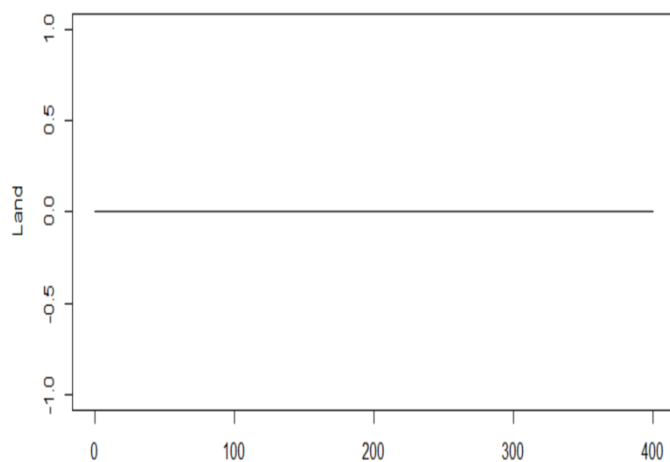
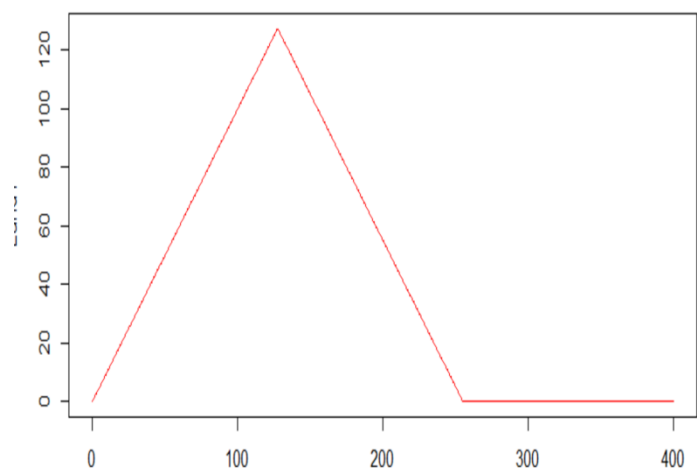
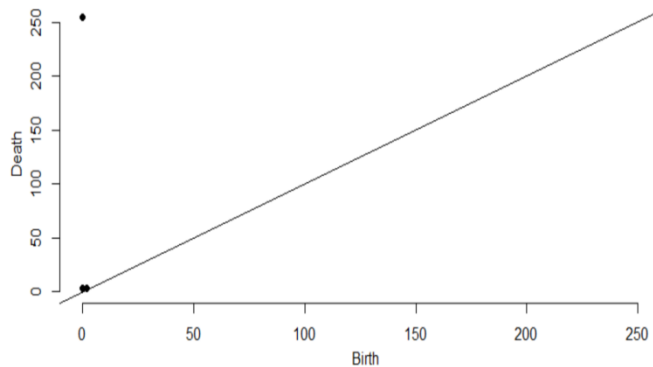
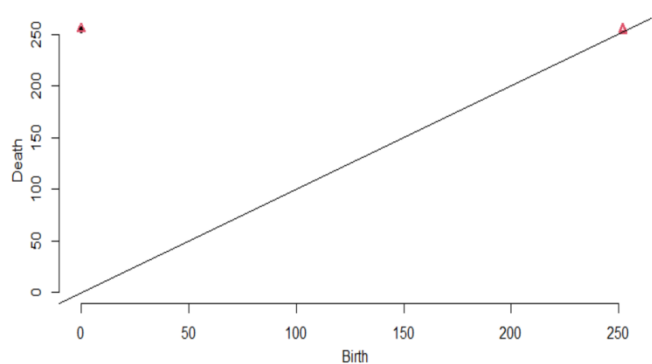
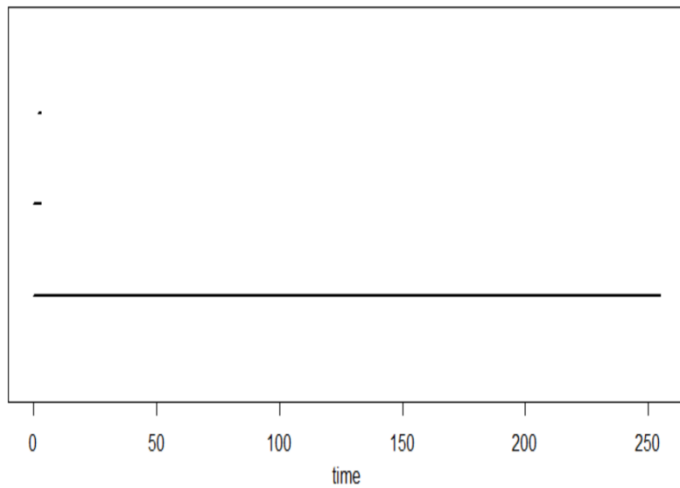
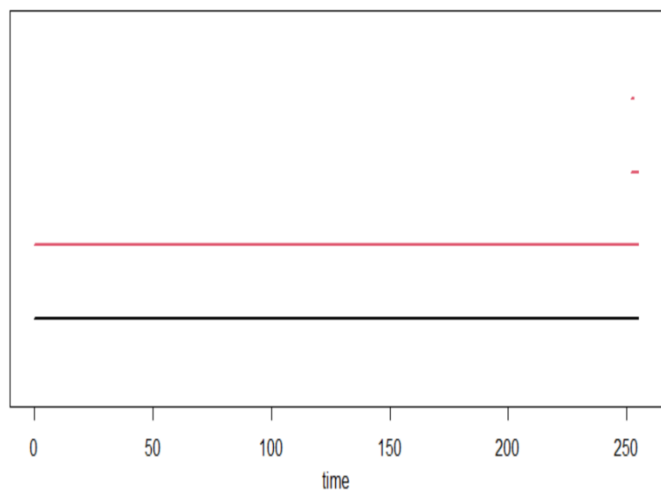
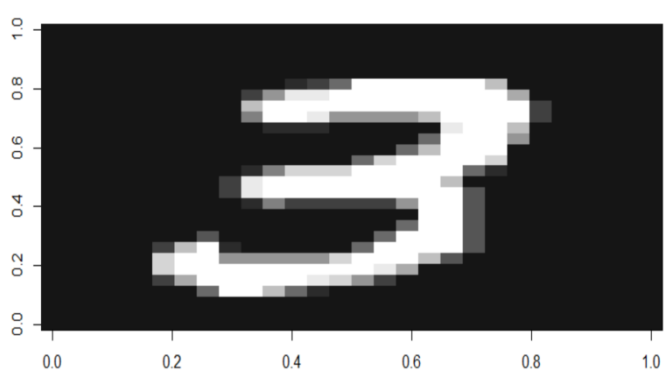
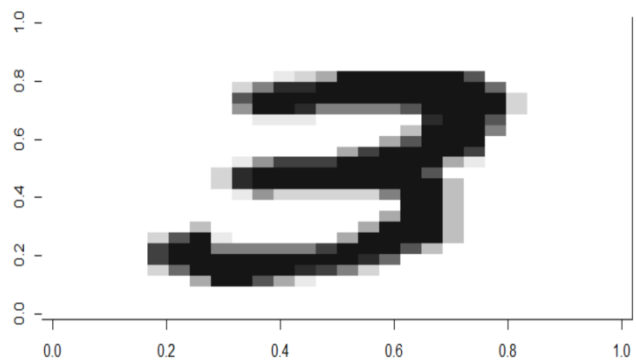


2.2 Landscape using 141 samples



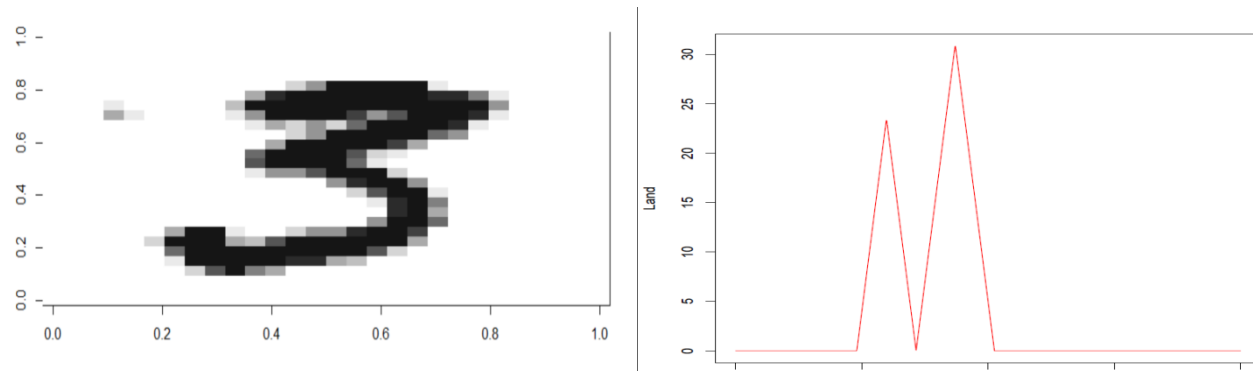
3.DIGIT 3

3.1 Analysis for 1 instance (n=8)

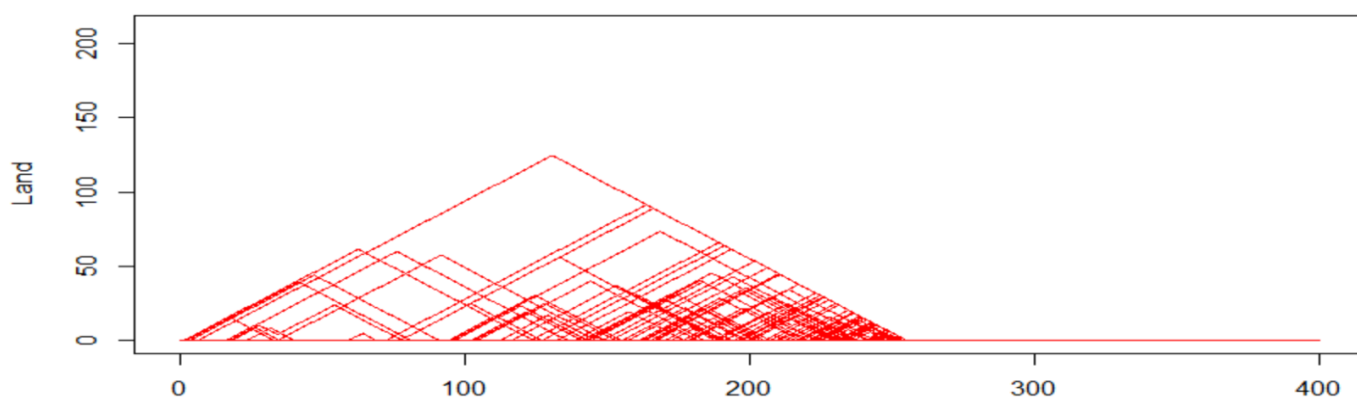


3.2 Special cases

N=50 and persistent landscape for complement of image

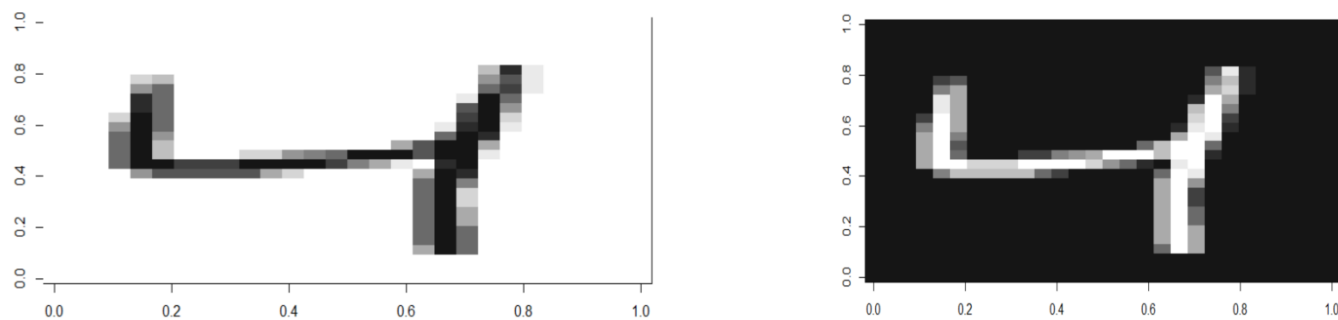


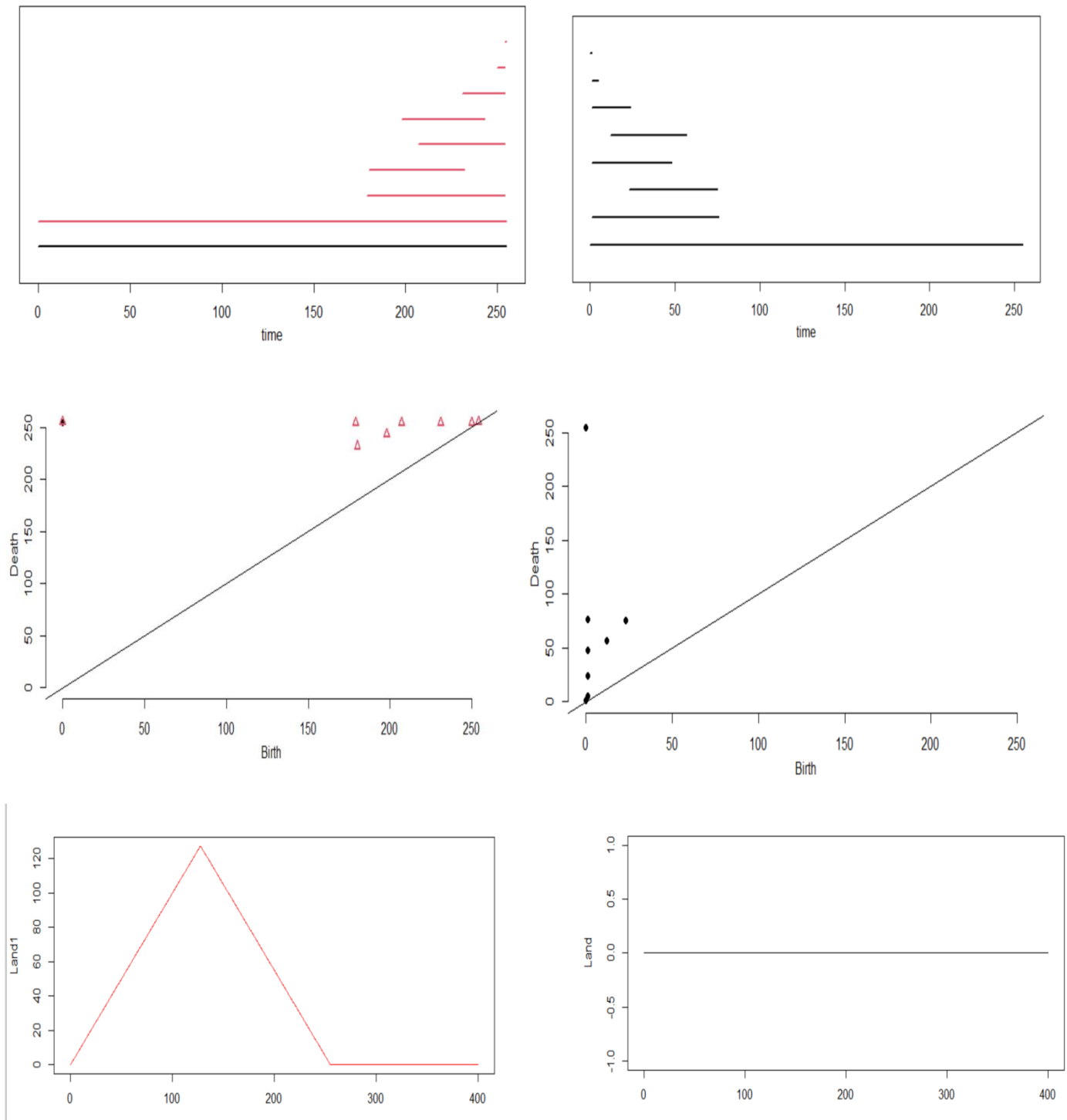
3.3 Landscape for complement of given images (454/6131 samples used)



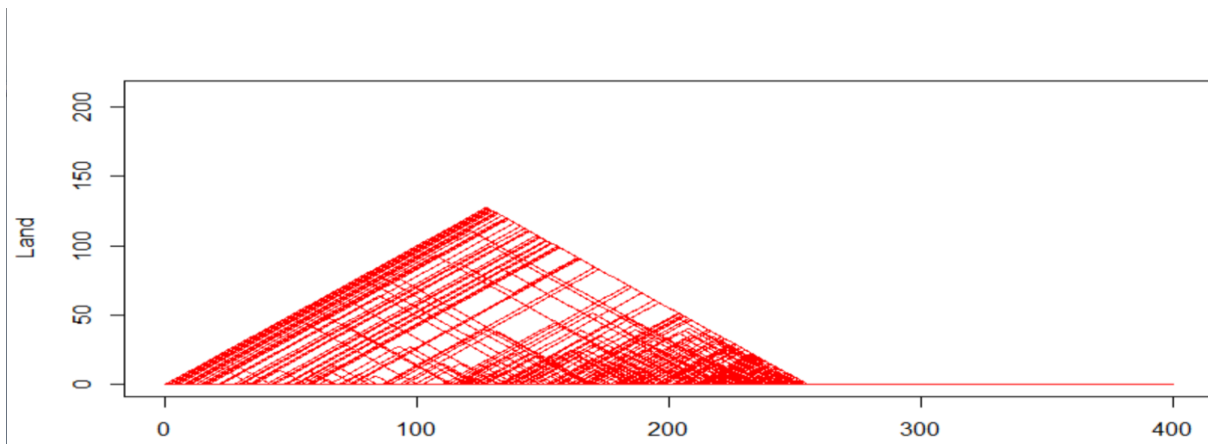
4. DIGIT 4

4.1 Analysis for 1 instance (n=3)



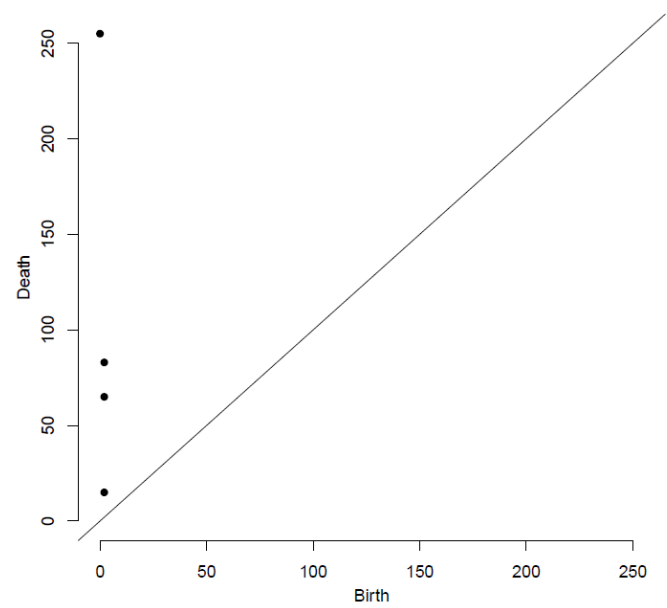
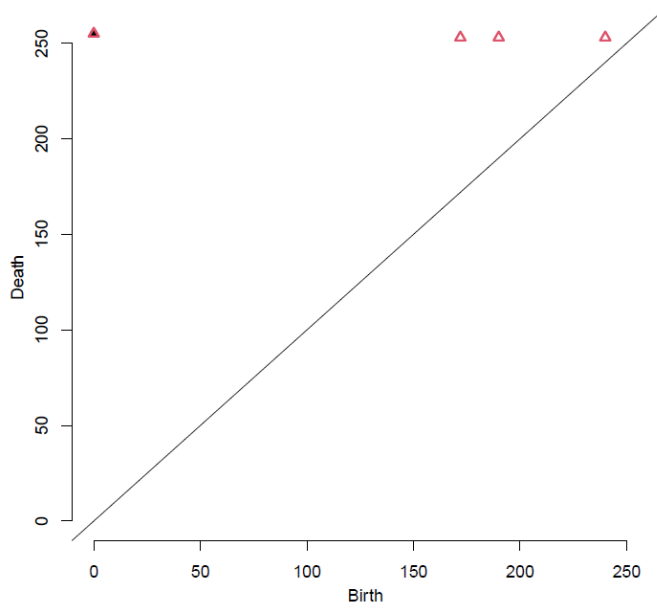
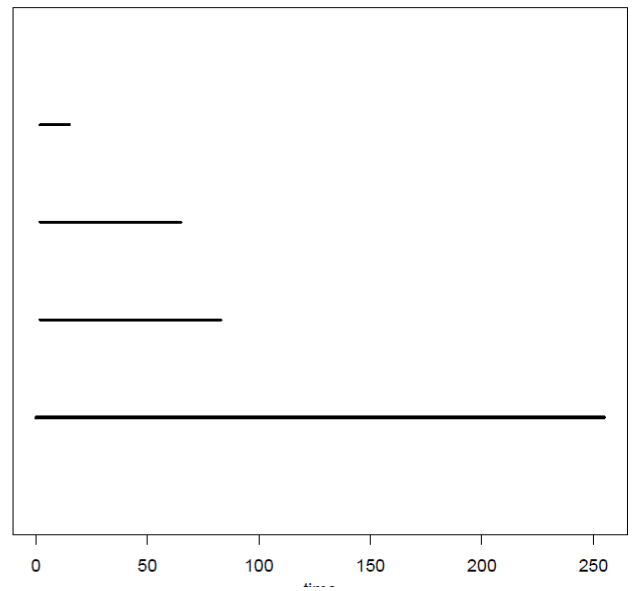
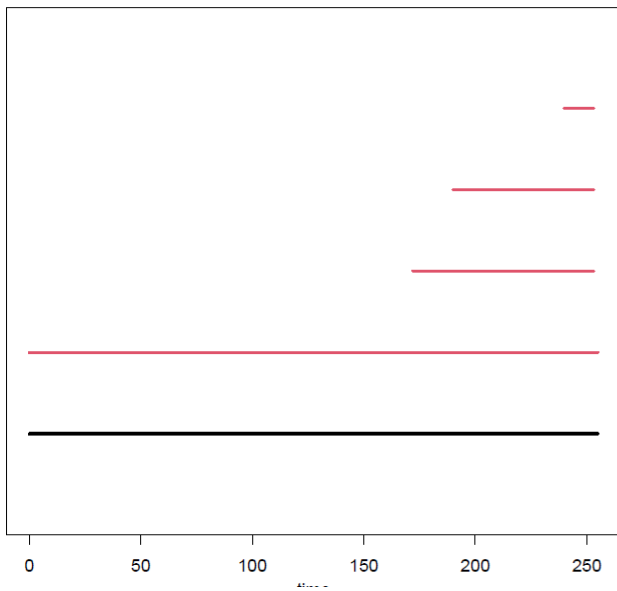
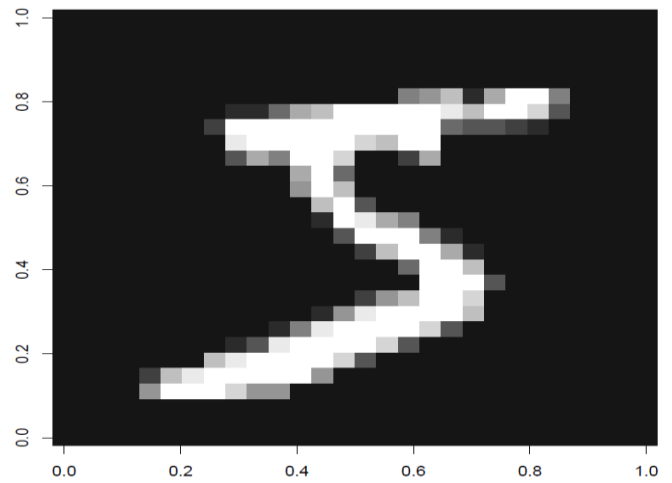
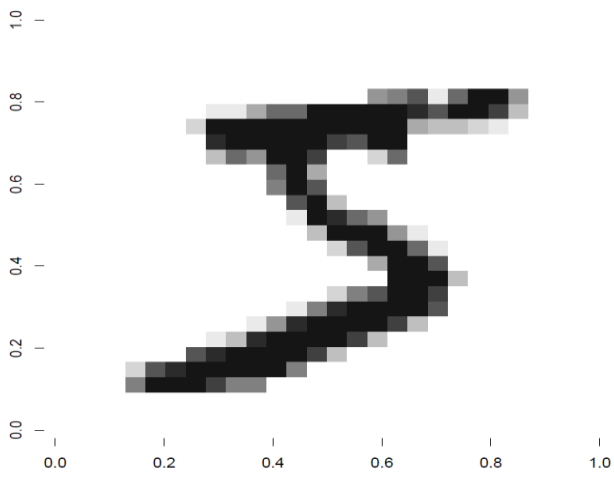


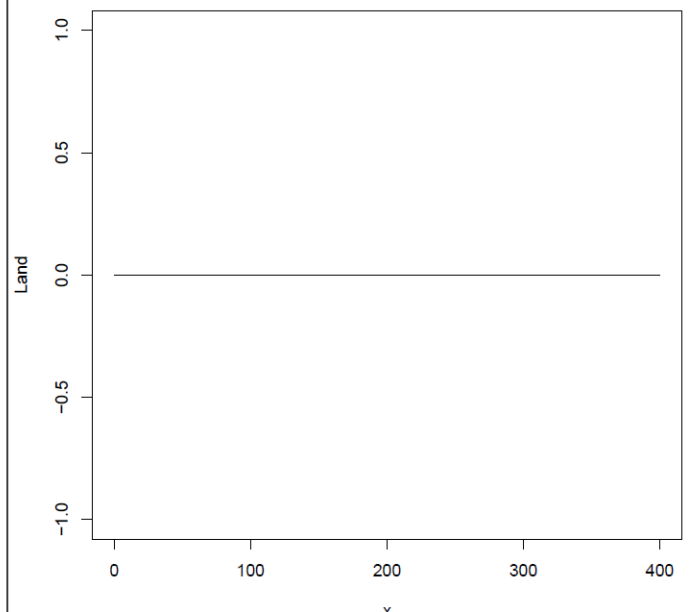
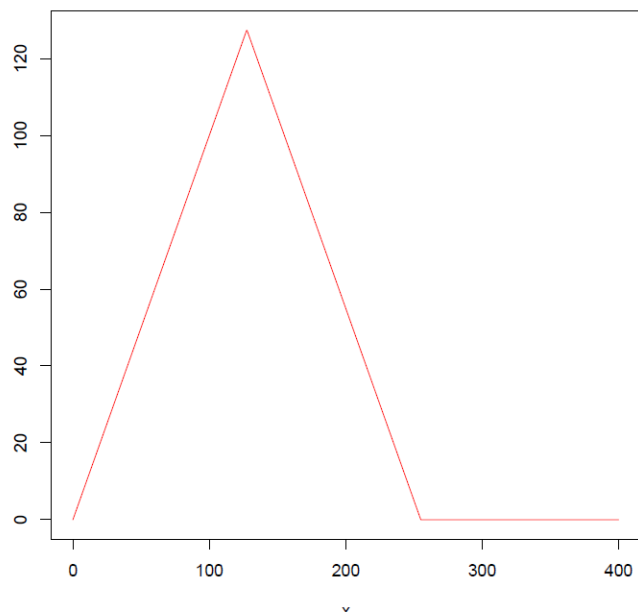
4.2 Landscape for complement of given images (1221/5841 samples used)



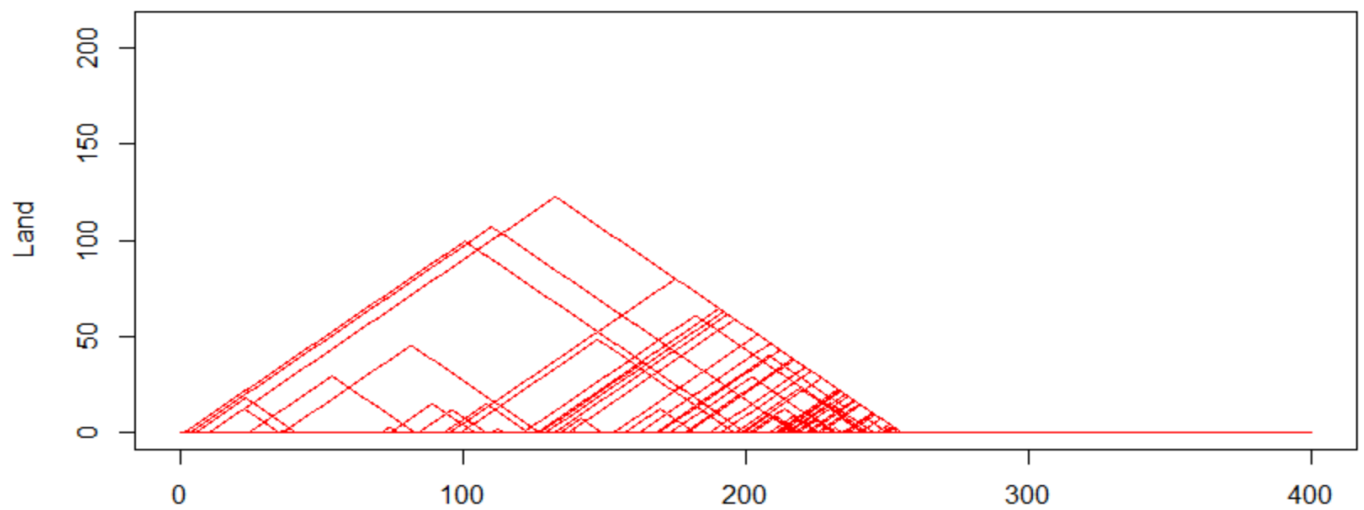
5. DIGIT 5

5.1 Analysis for $n=1$

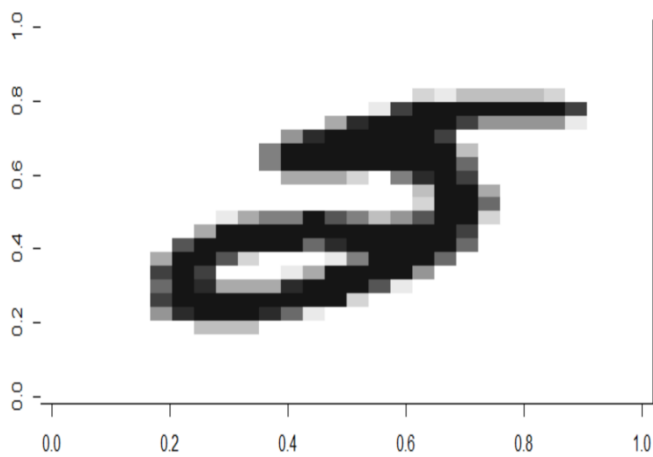




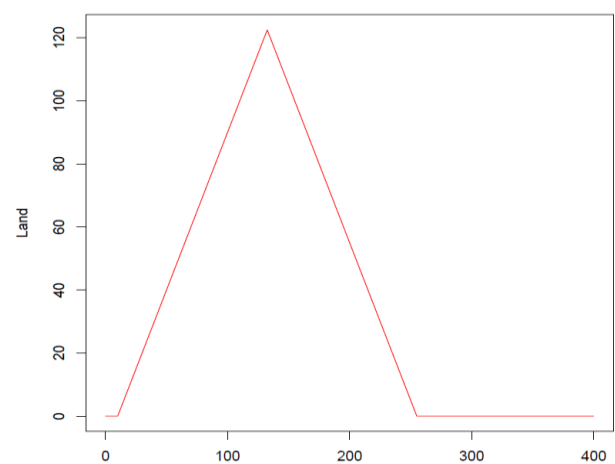
5.2 Landscape for complement of given images (362 samples used)



5.3 Special cases:



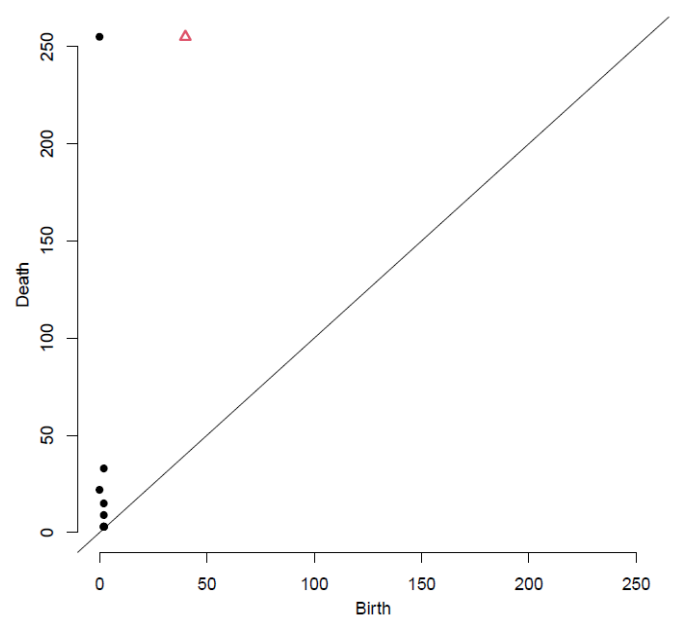
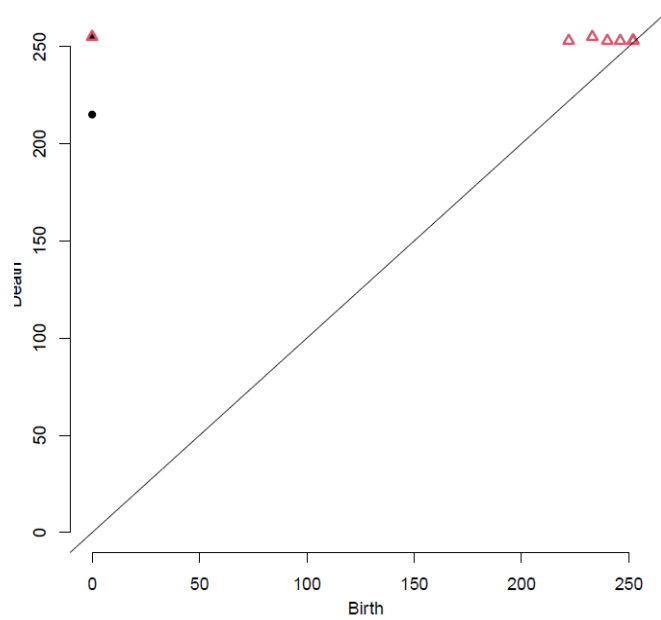
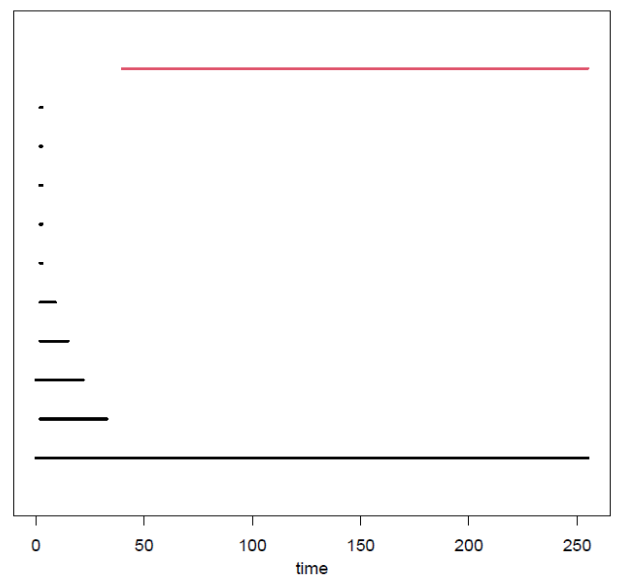
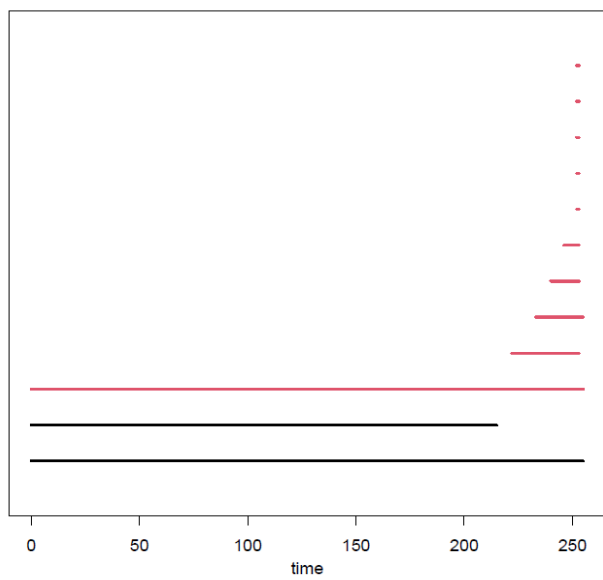
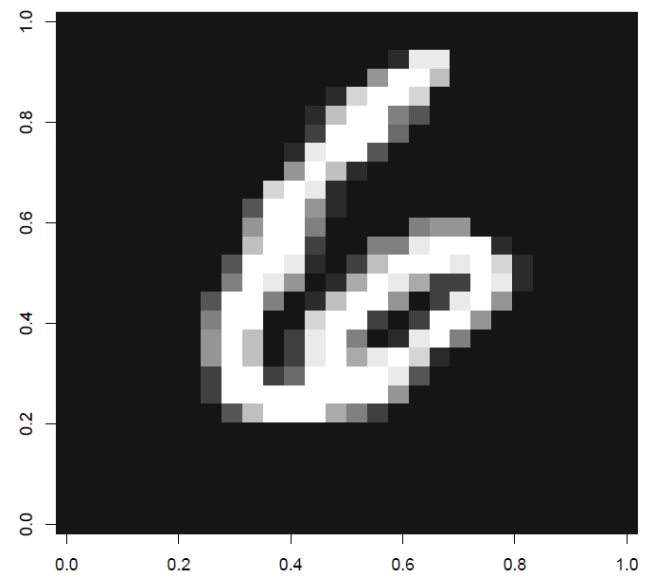
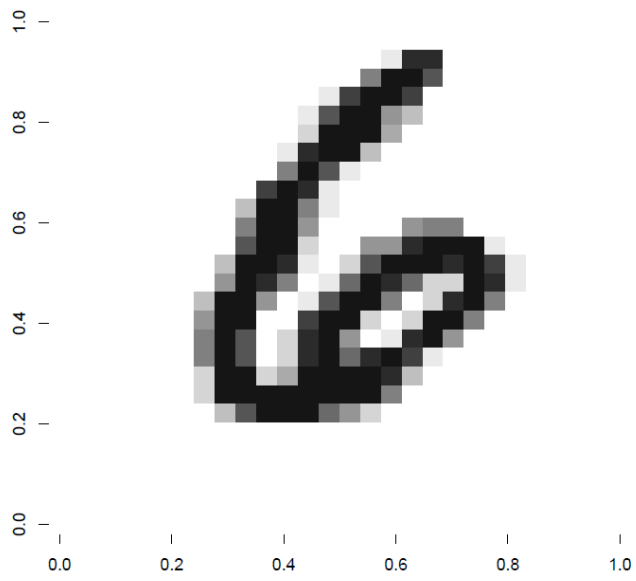
57 th element of subset of training with $y=5$

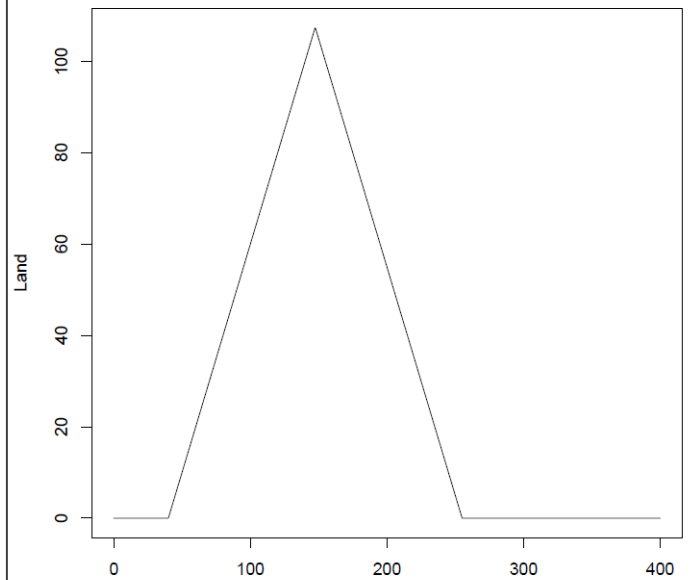
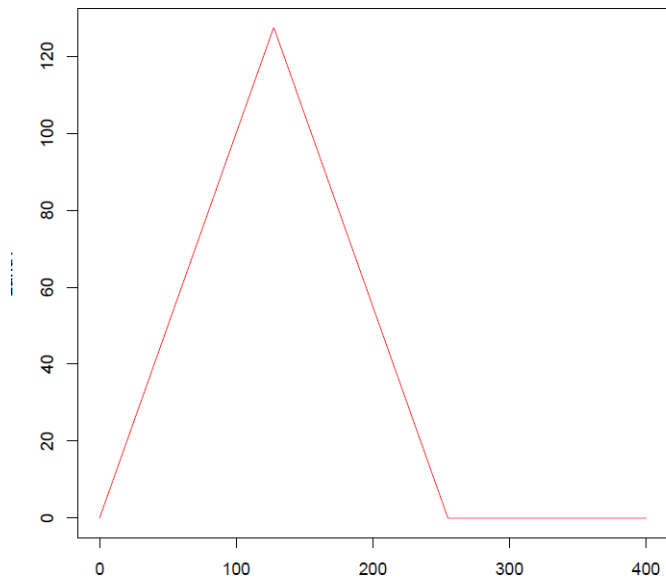


landscape corresponding to the complement

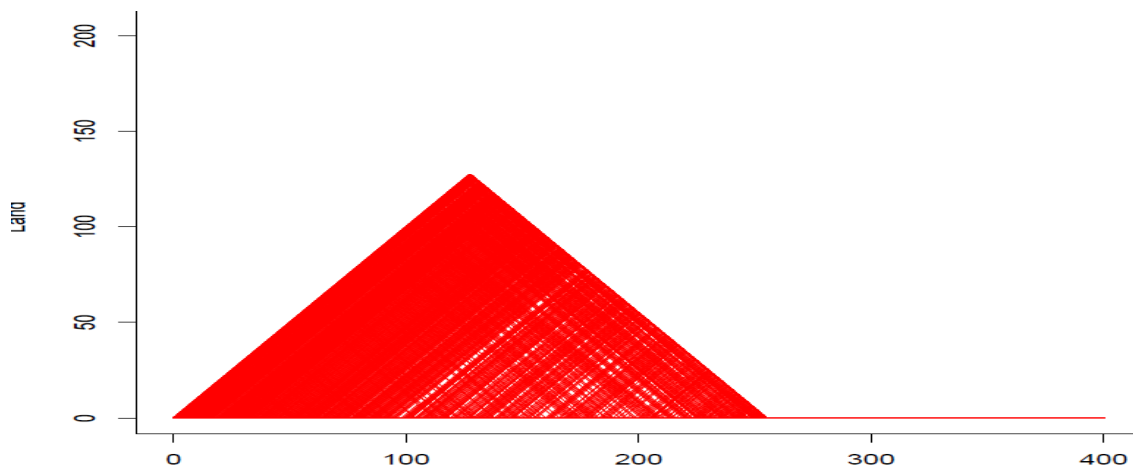
6. DIGIT 6

6.1 Analysis for n= 14



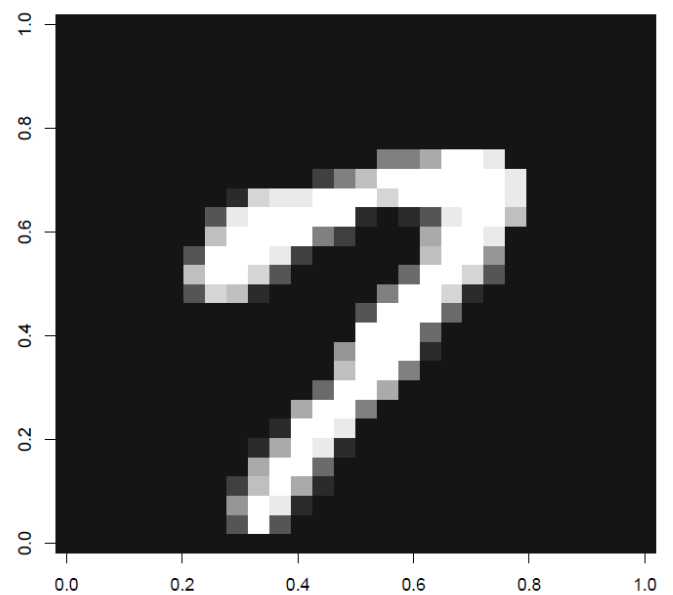
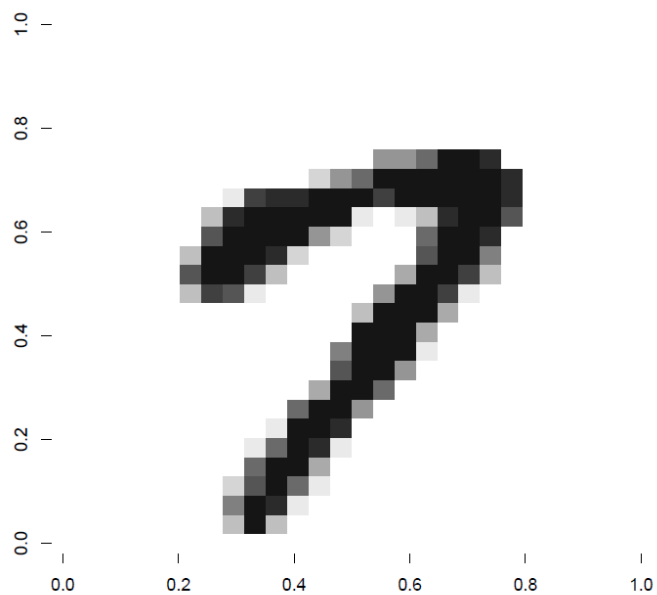


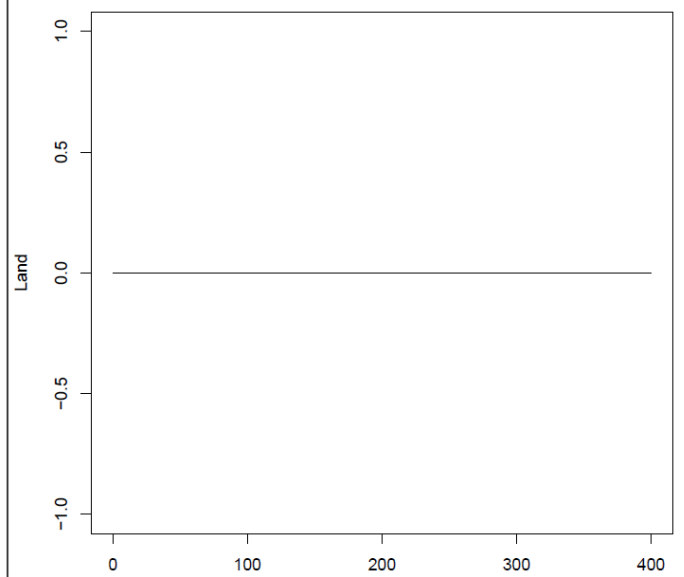
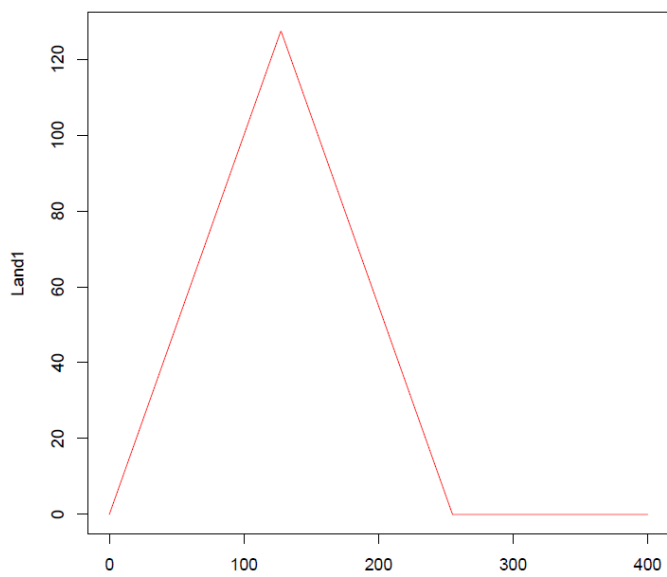
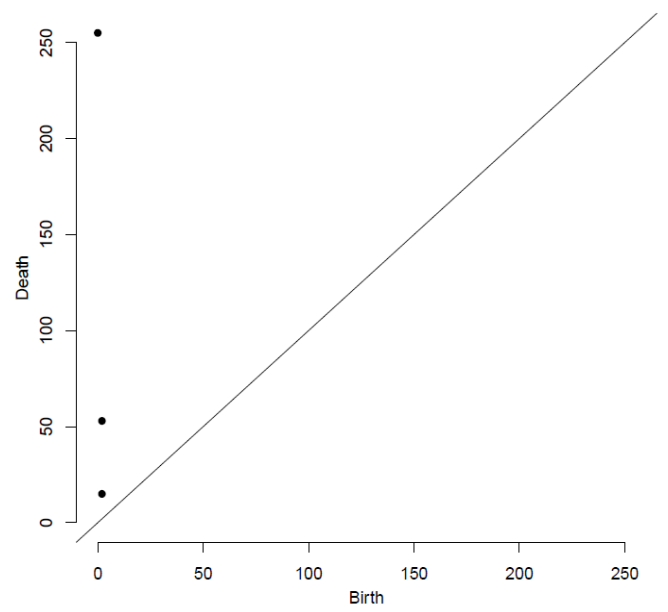
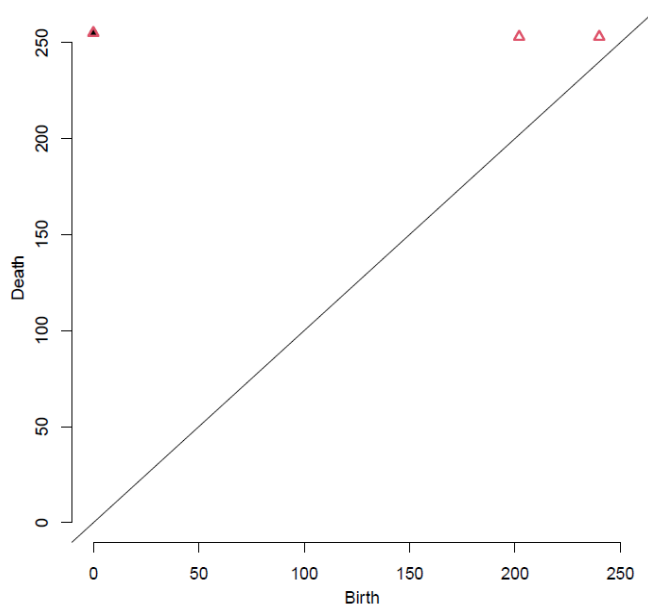
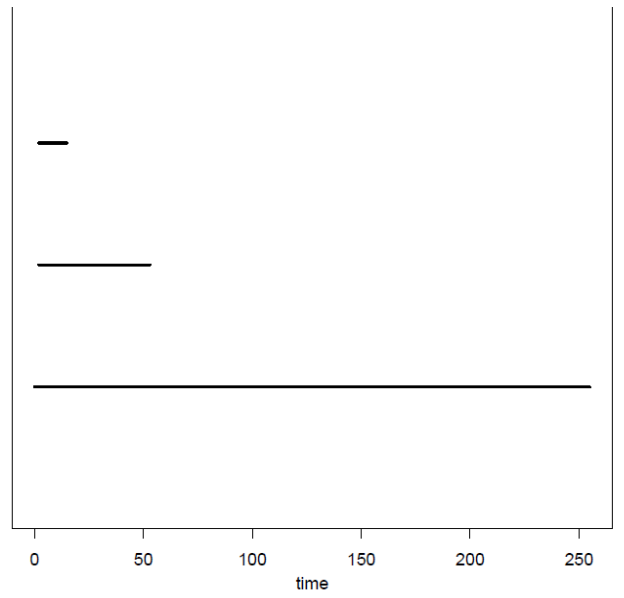
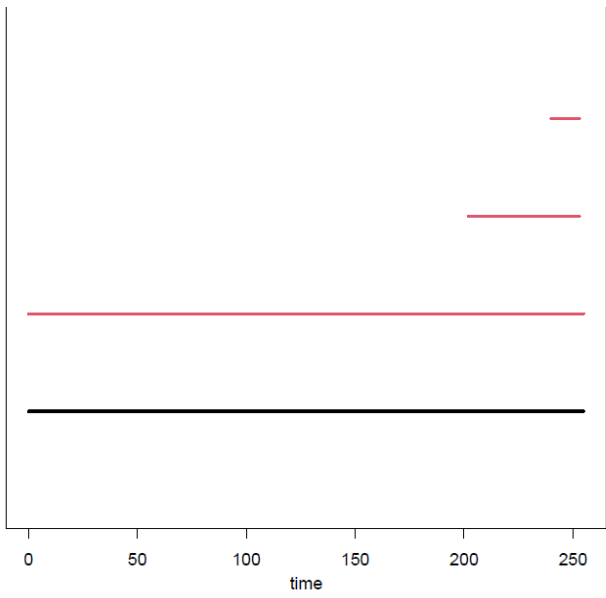
6.2 Landscape for complement of given images



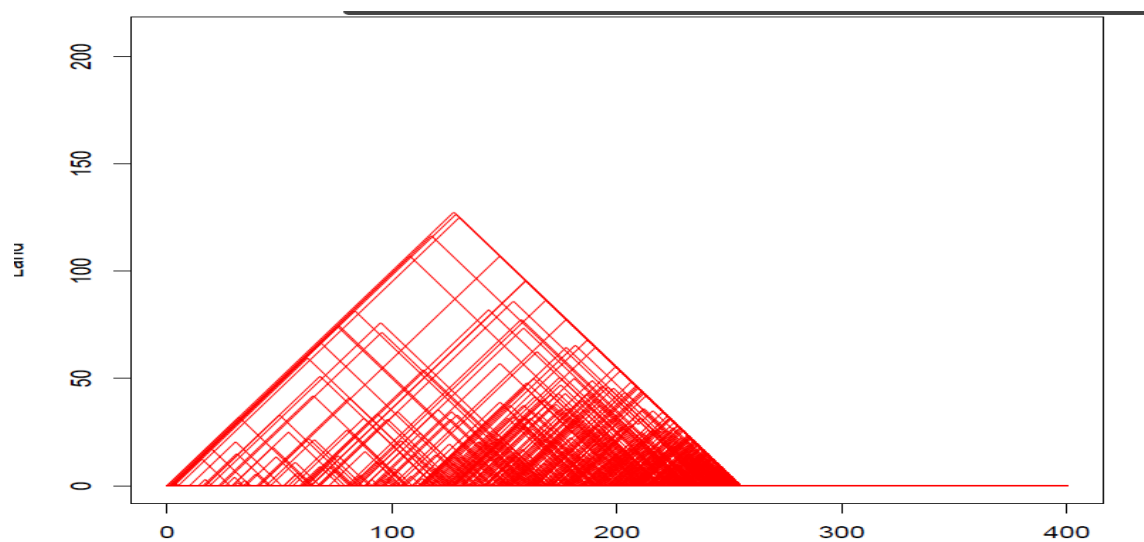
7. DIGIT 7

7.1 Analysis for n=16

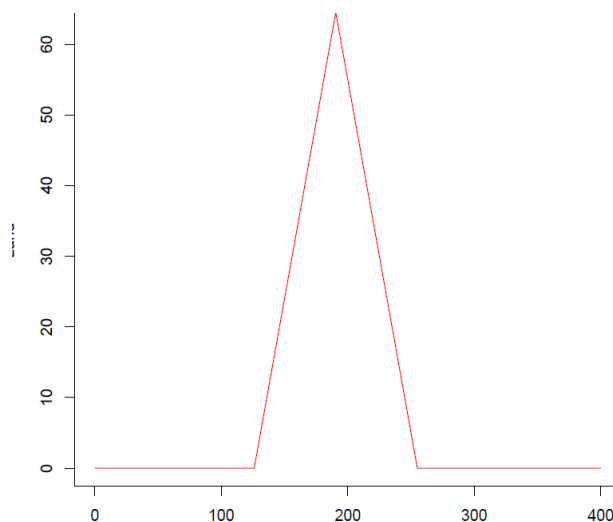
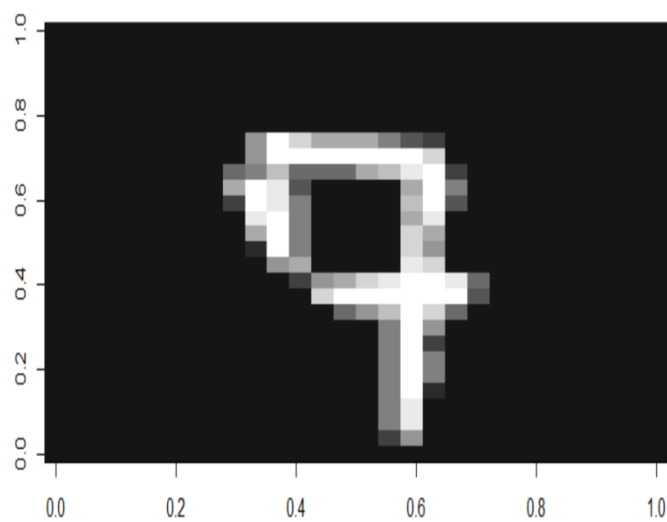




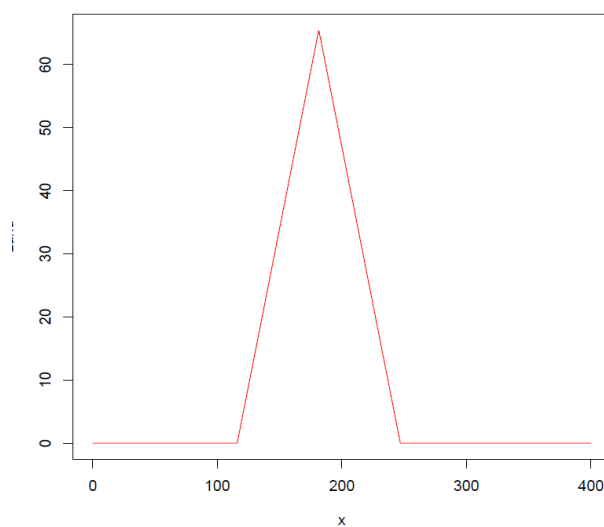
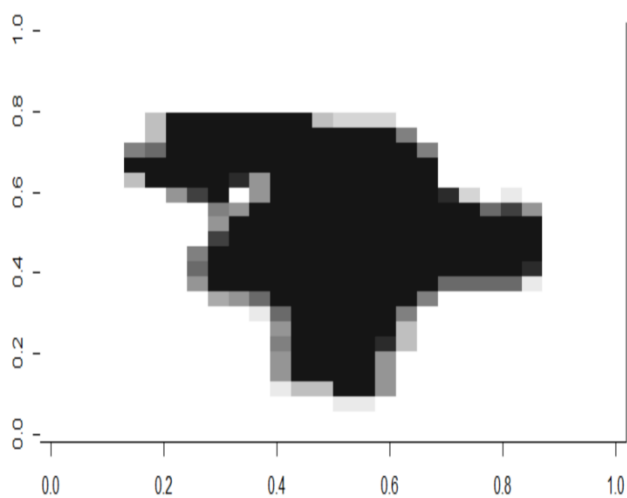
7.2 Landscape for complement of given images



7.3 Special cases



N = 273 of subset of train with y=7

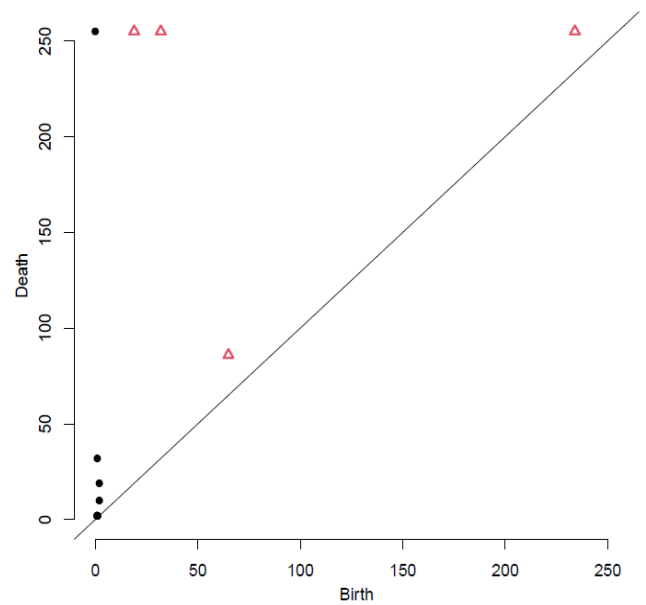
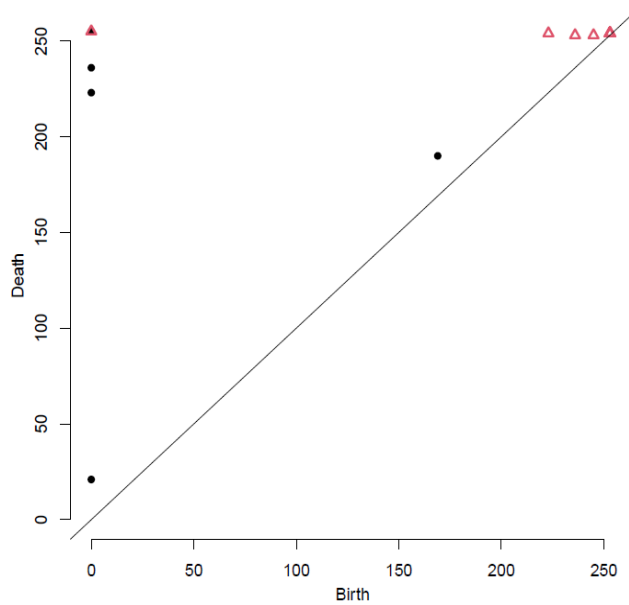
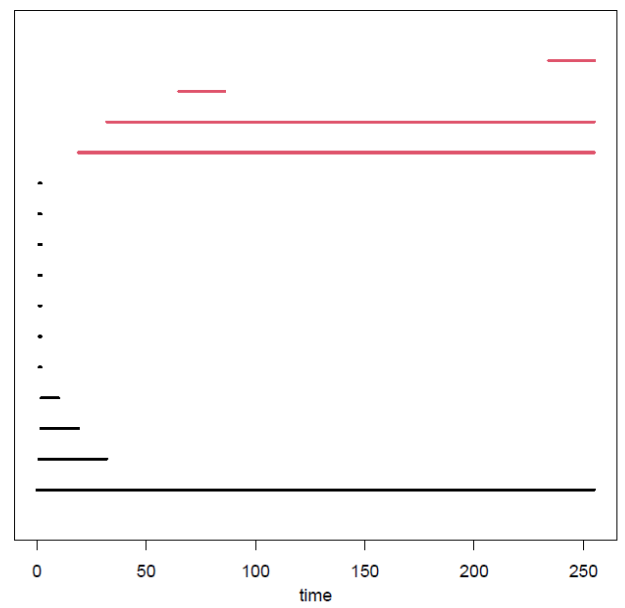
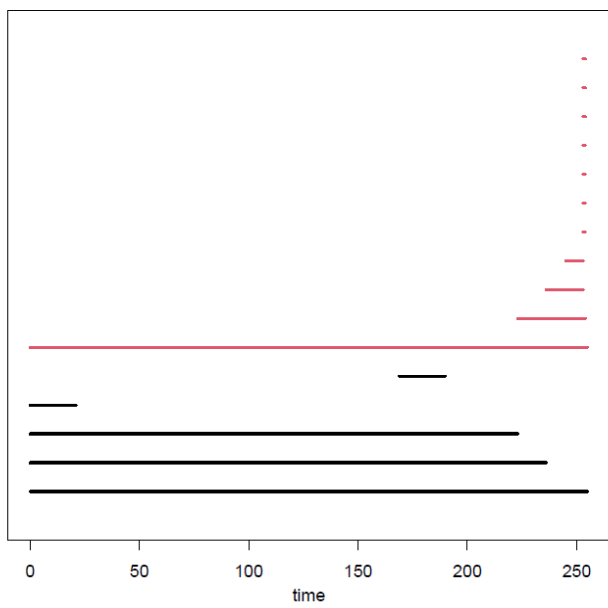
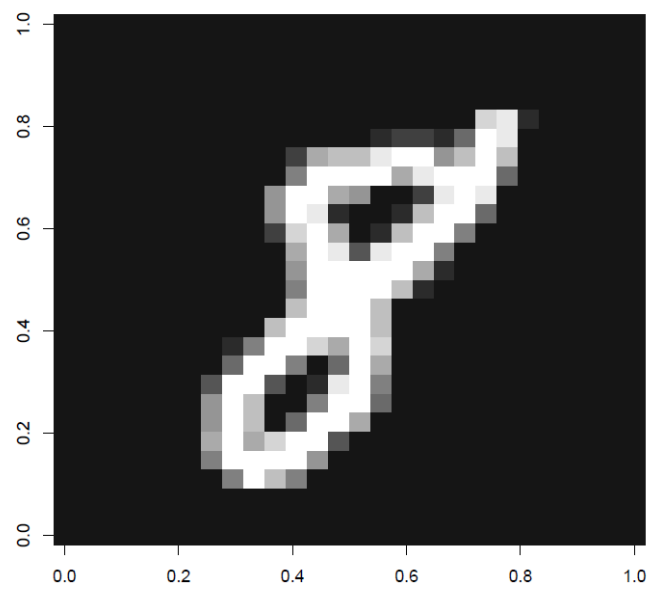
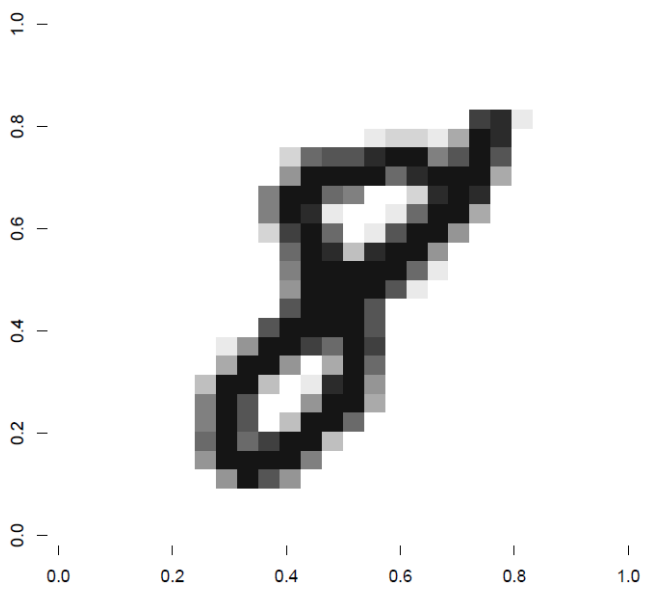


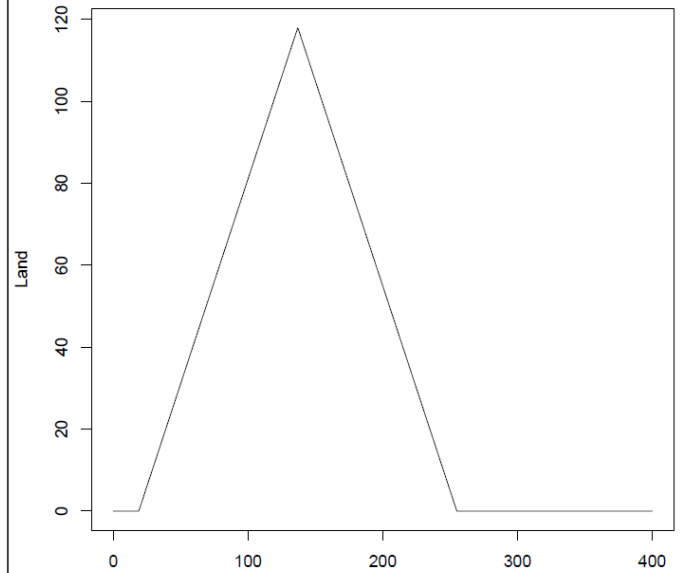
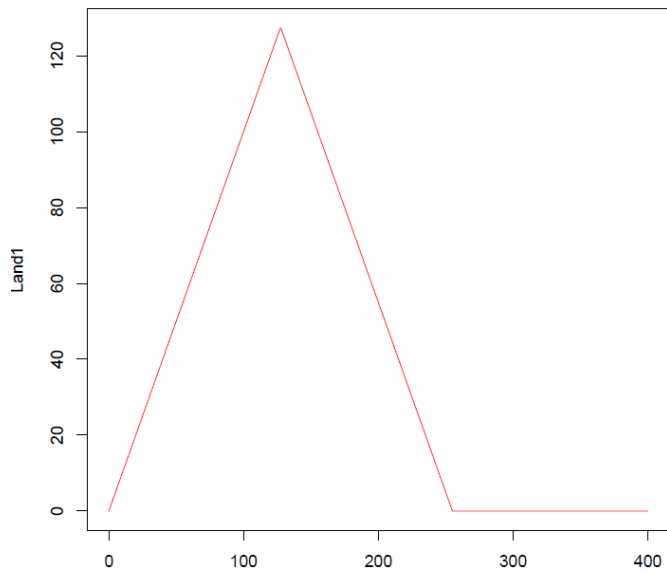
N = 187 of subset of train with y=7

Landscape dimension 1 of complement

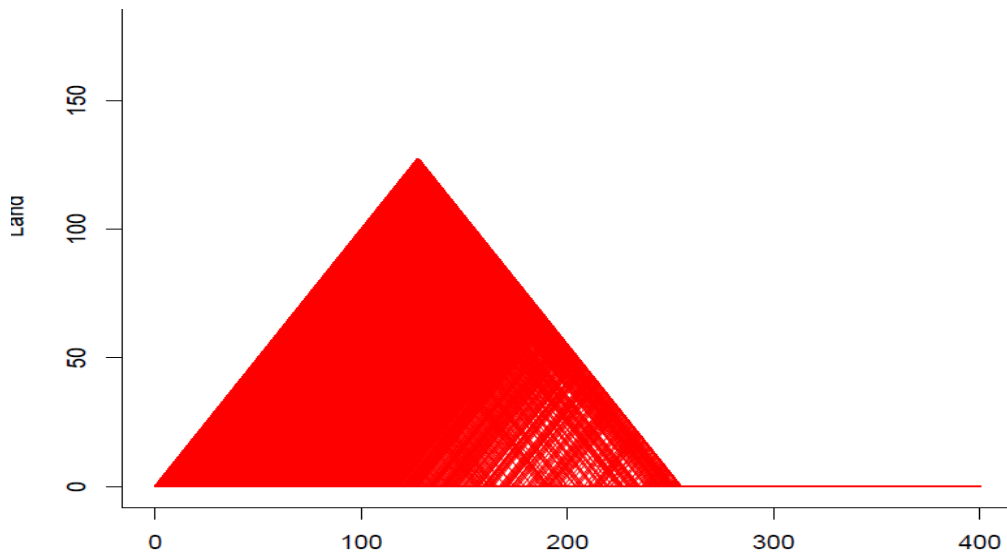
8. DIGIT 8

8.1 Analysis for n= 18



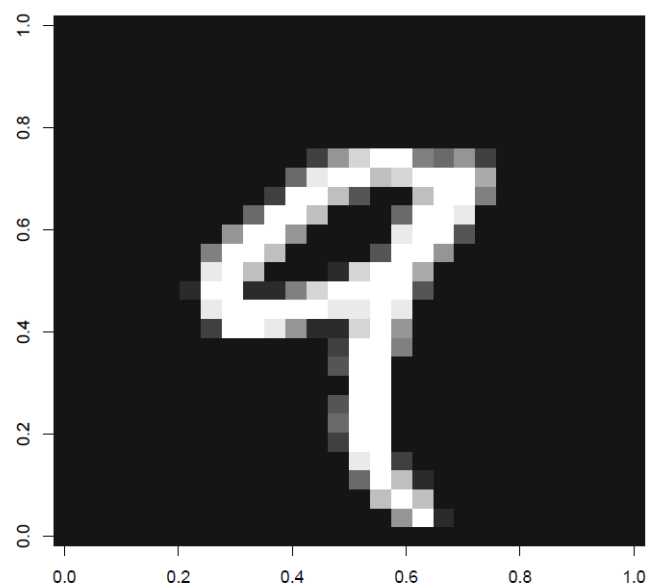
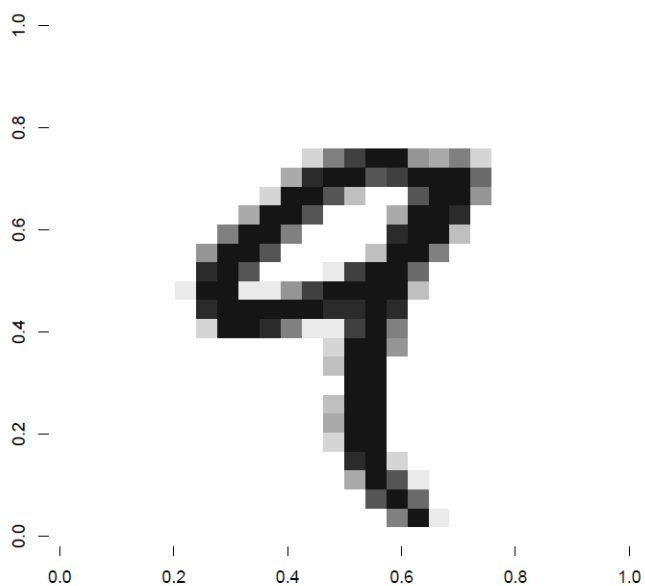


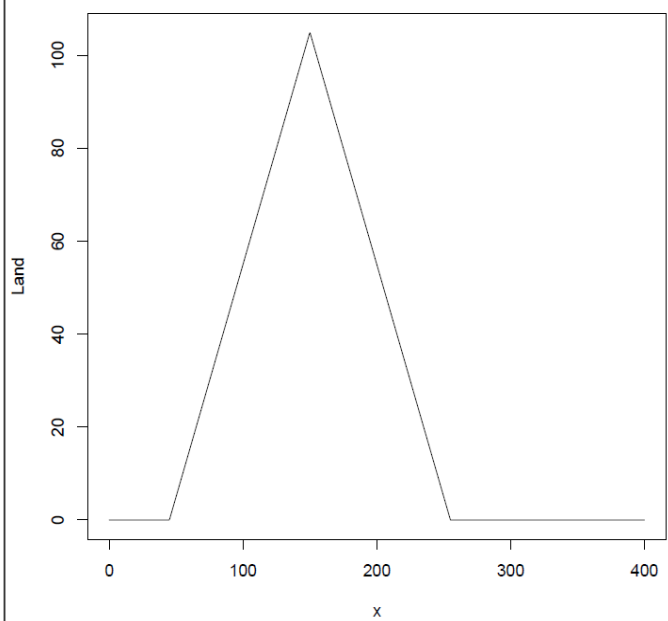
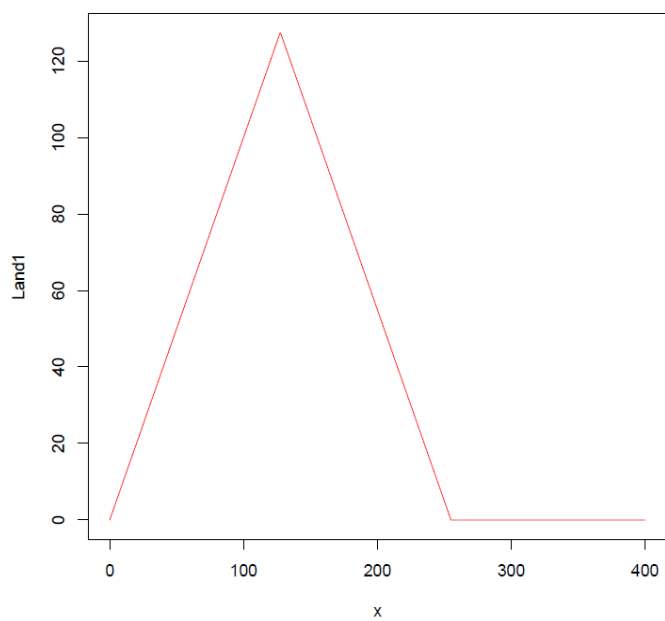
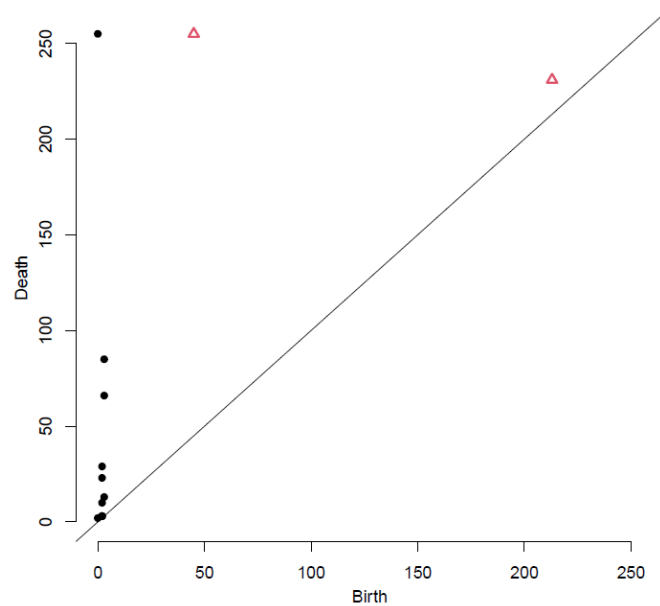
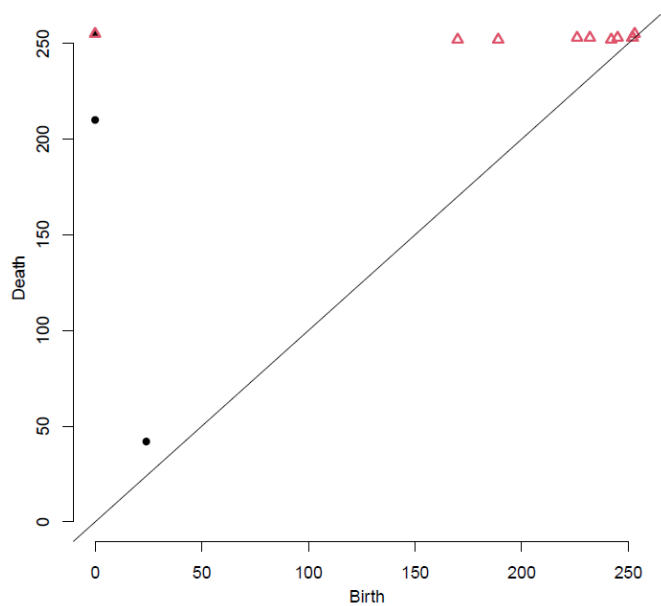
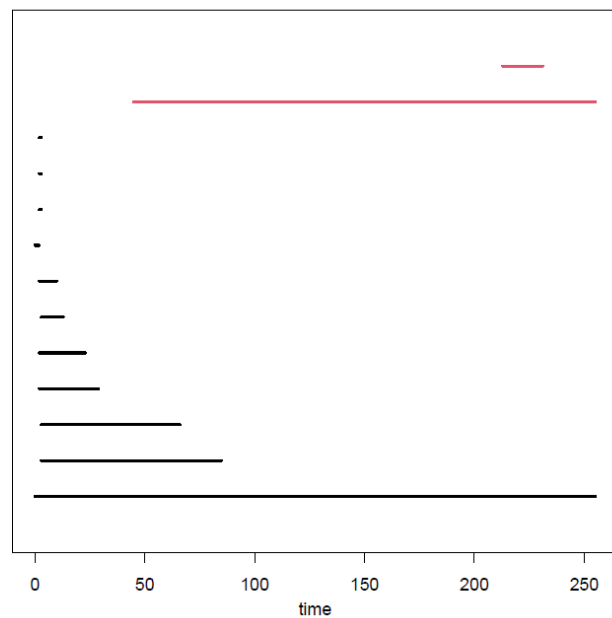
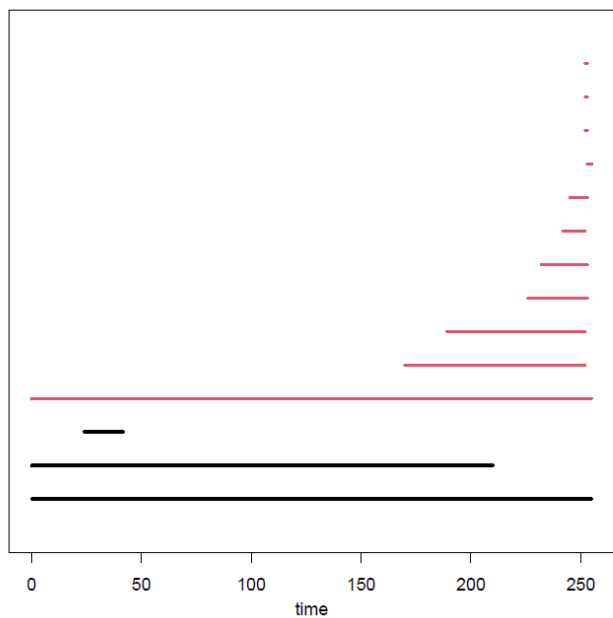
8.2 Landscape of complementary image for 4664 samples



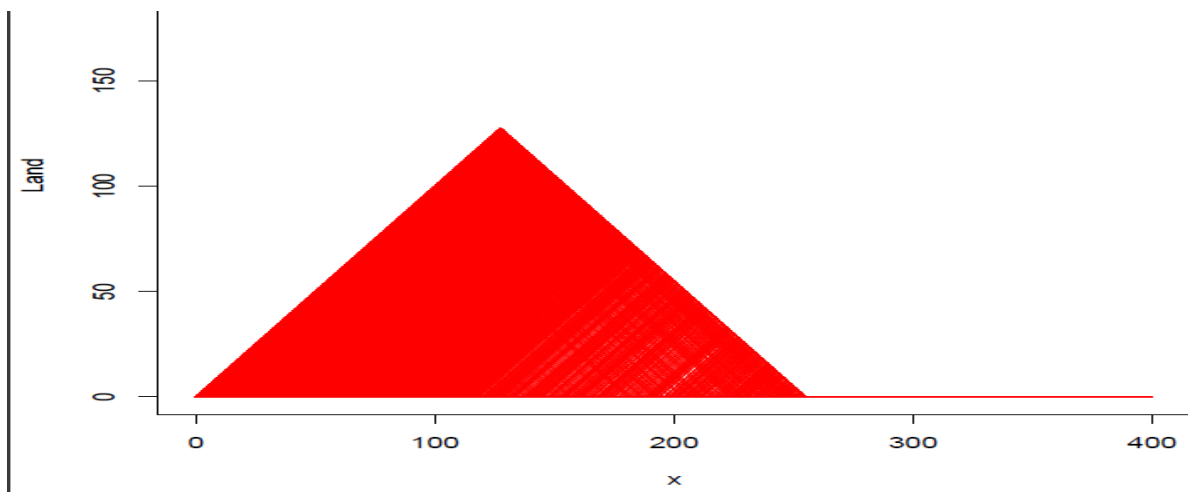
9. DIGIT 9

9.1 Analysis for n= 5



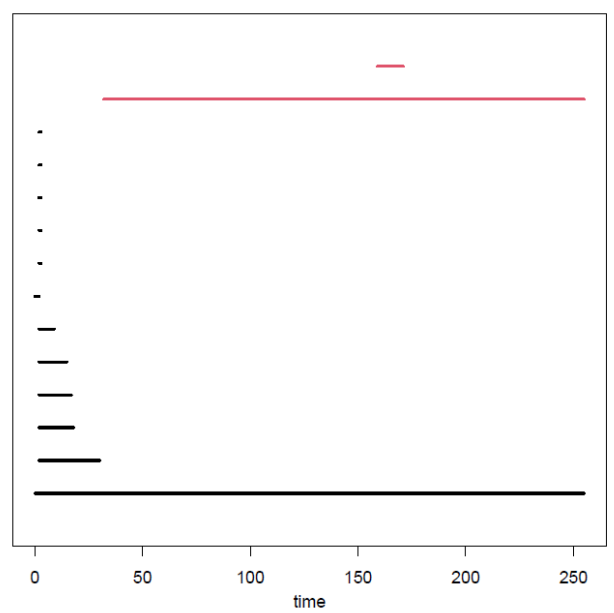
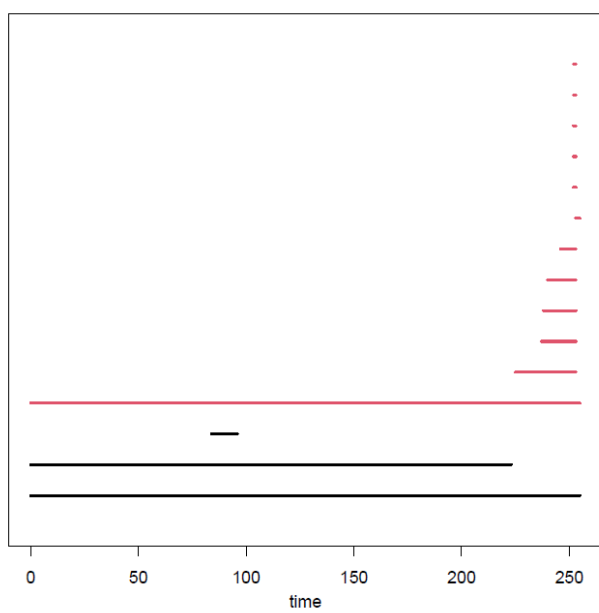
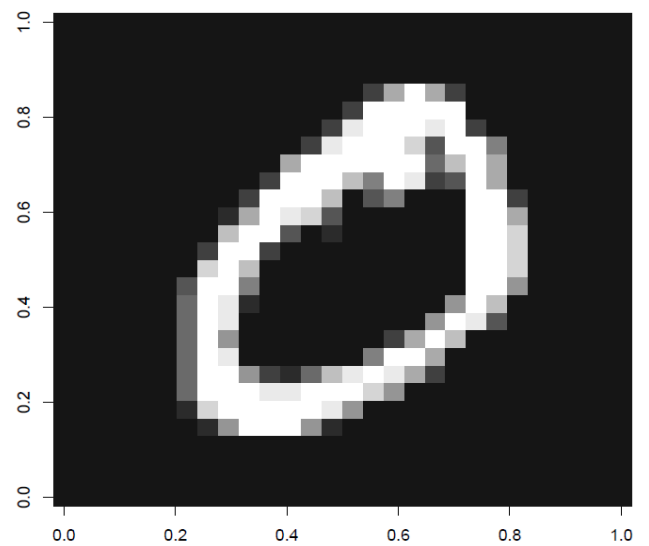
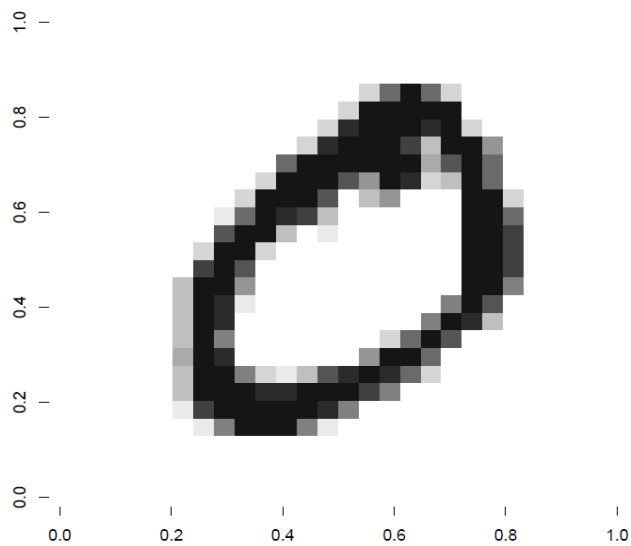


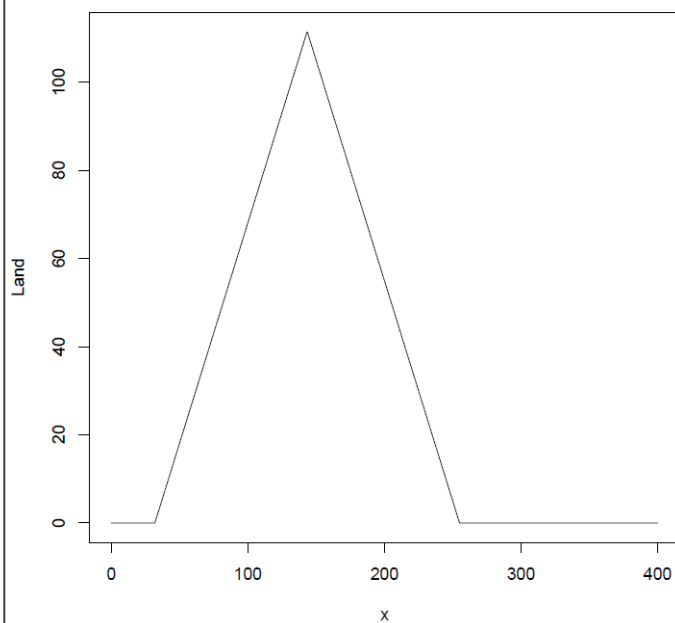
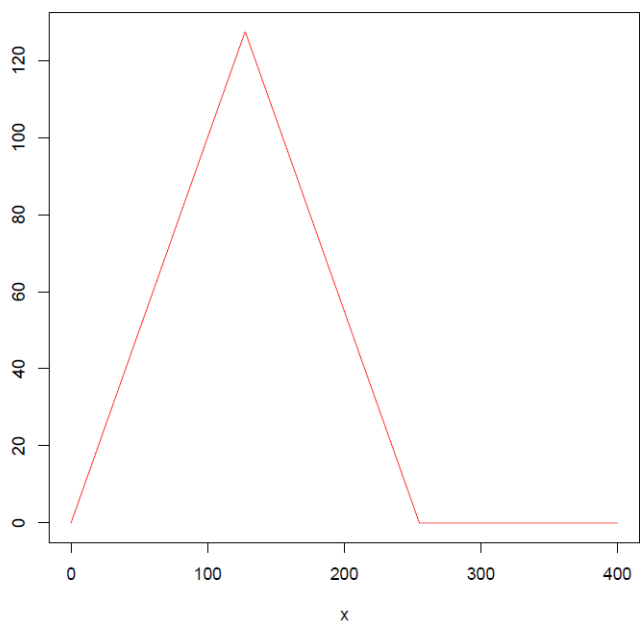
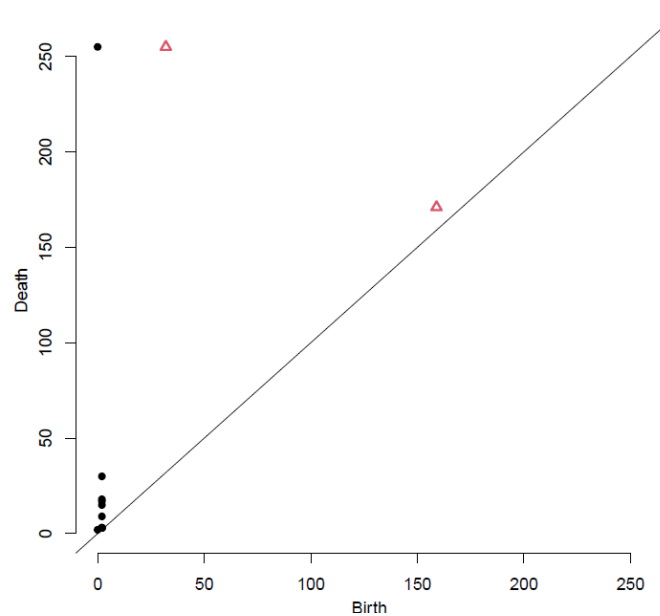
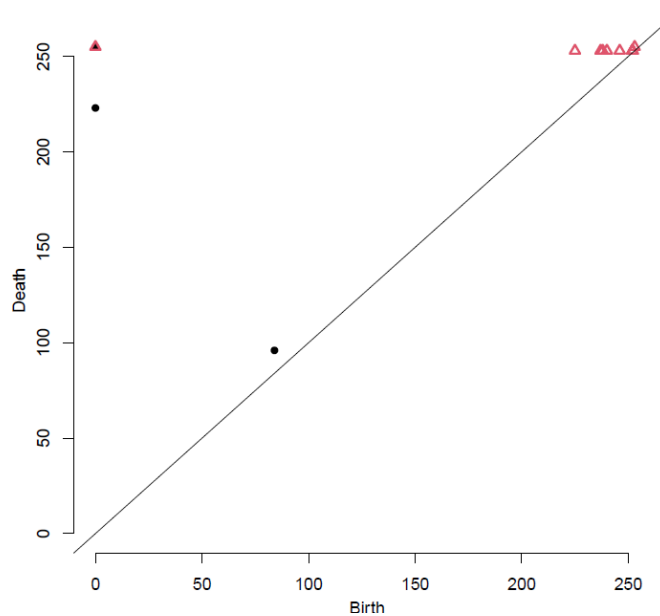
9.2 Landscape of complementary images for 2917 samples



10. DIGIT 0

10.1 Analysis for $n=2$





10.2 Landscape of complementary images for 2515 samples

