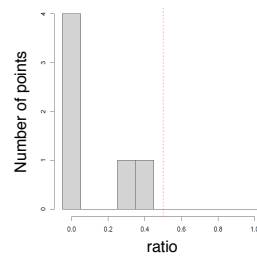
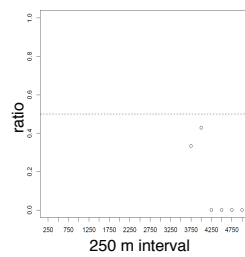
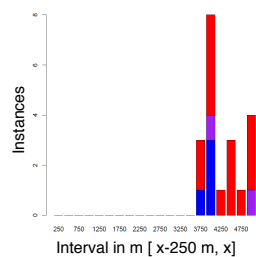
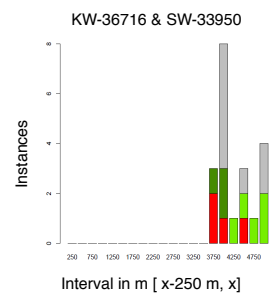
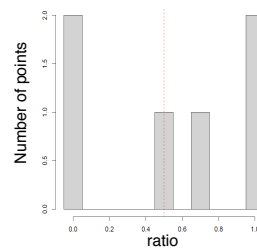
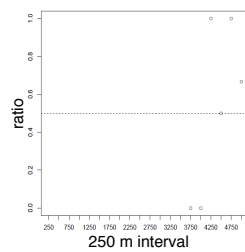
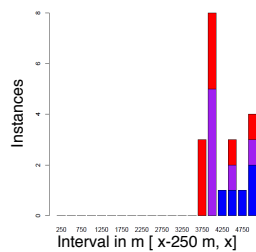
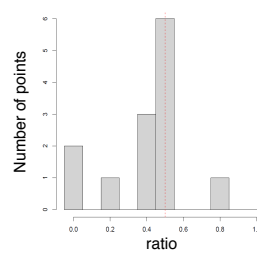
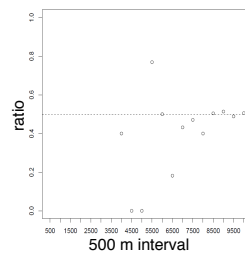
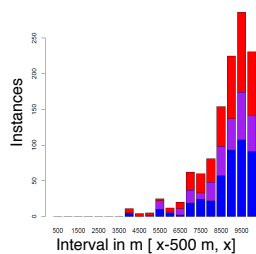
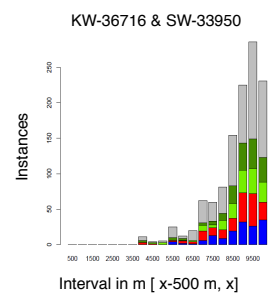
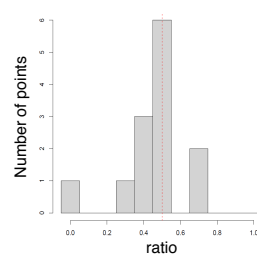
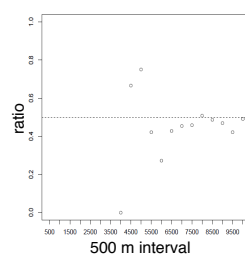
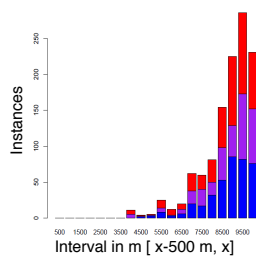


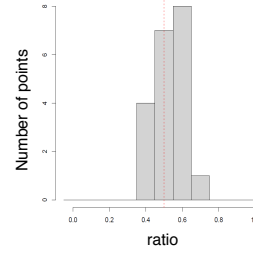
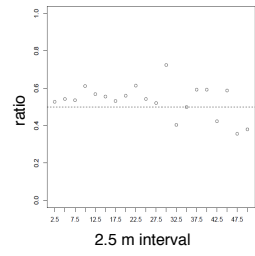
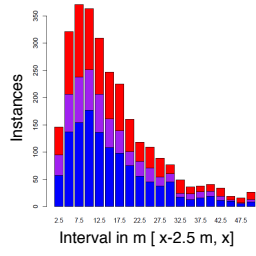
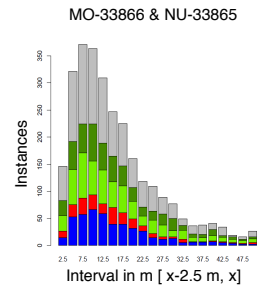
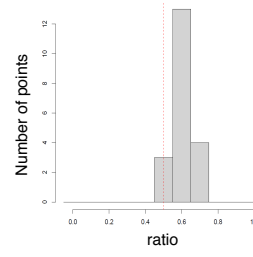
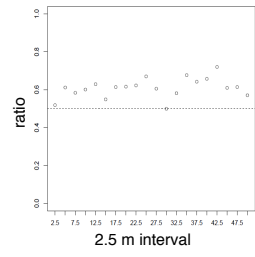
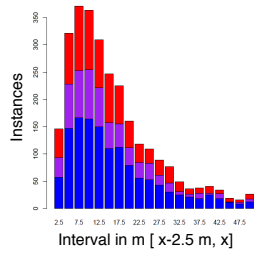
(1.a)



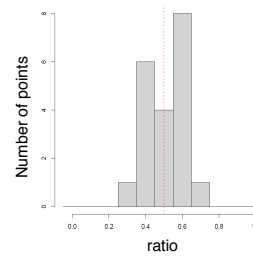
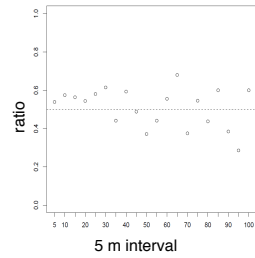
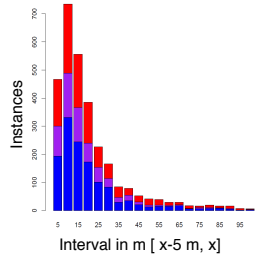
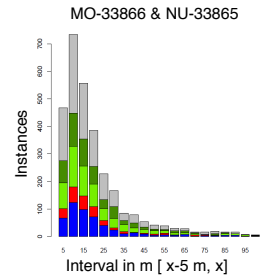
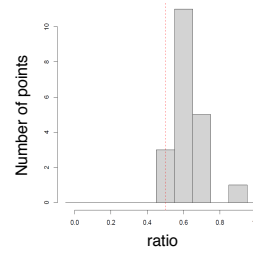
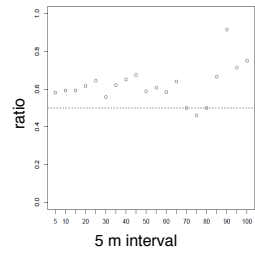
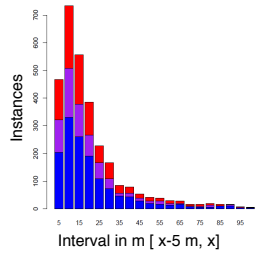
(1.b)



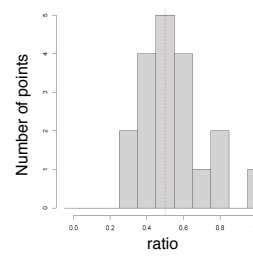
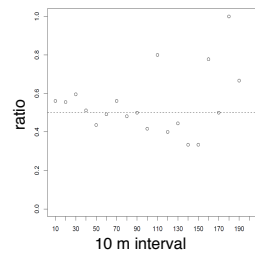
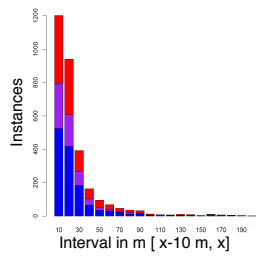
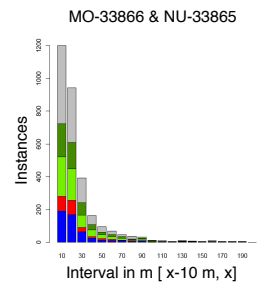
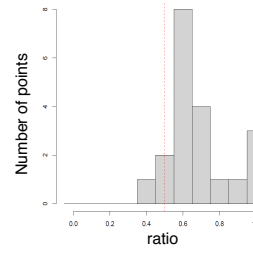
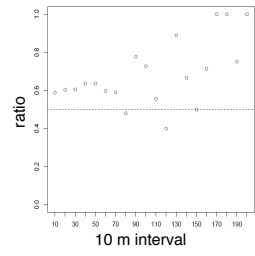
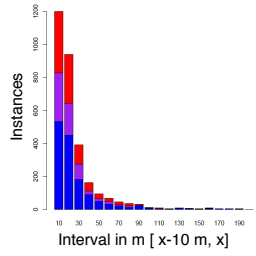
(2.a)



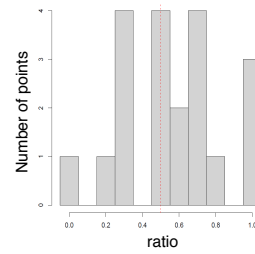
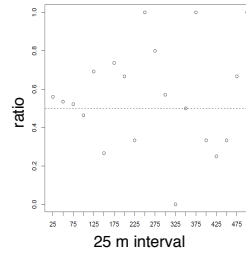
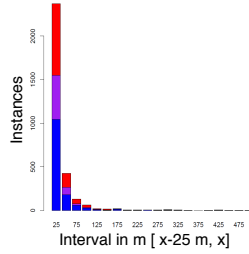
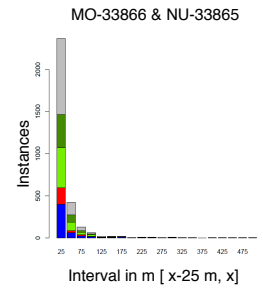
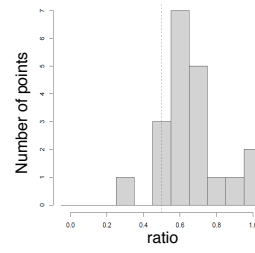
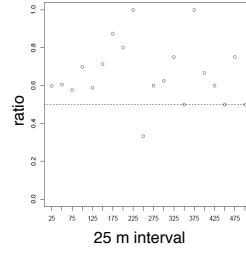
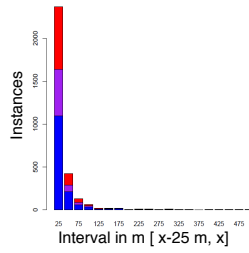
(2.b)



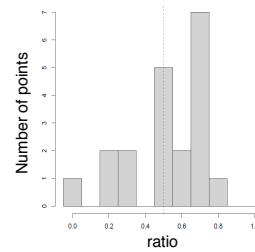
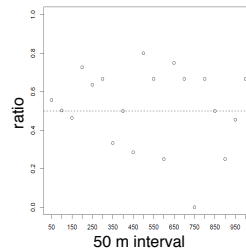
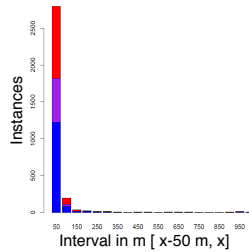
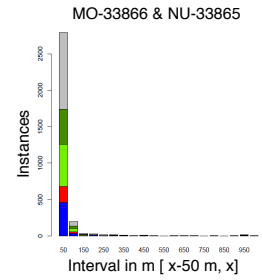
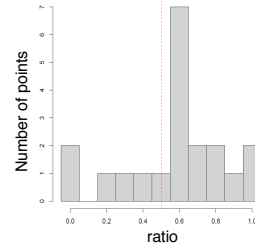
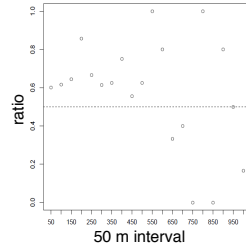
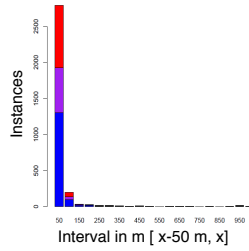
(2.c)



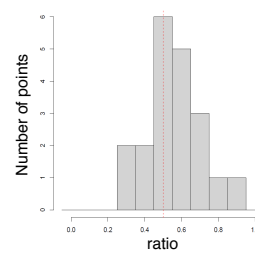
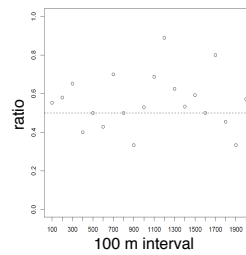
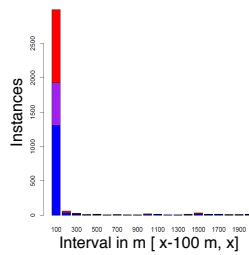
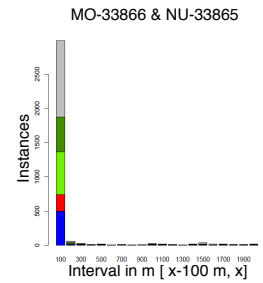
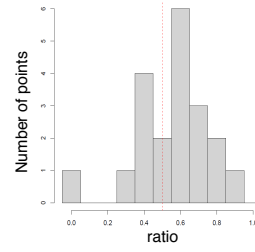
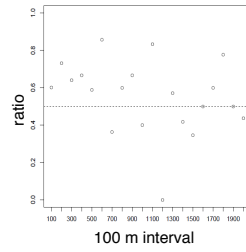
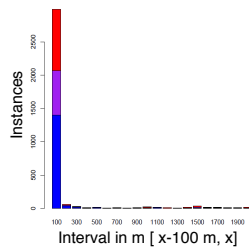
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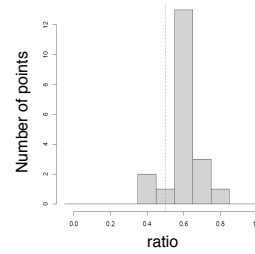
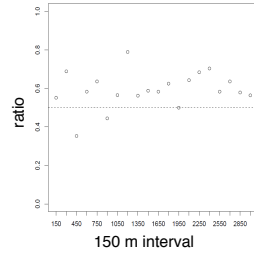
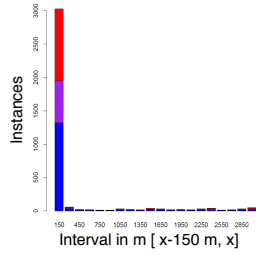
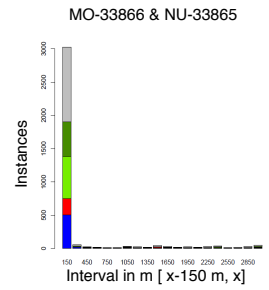
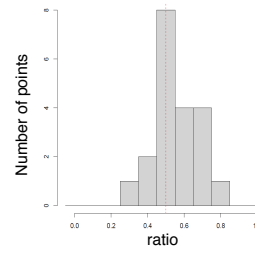
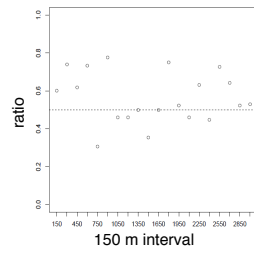
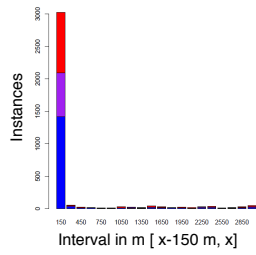
(2.e)



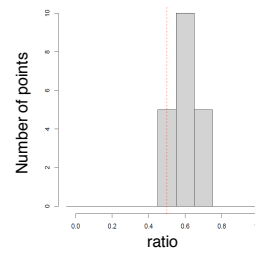
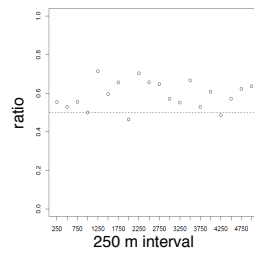
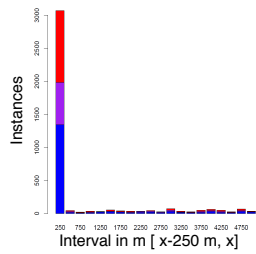
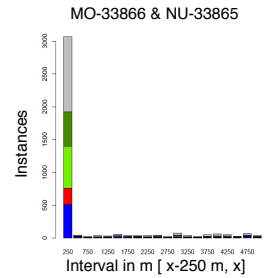
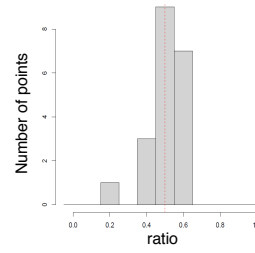
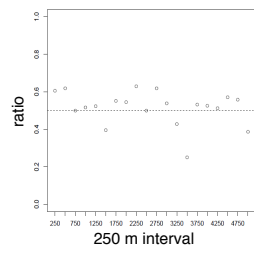
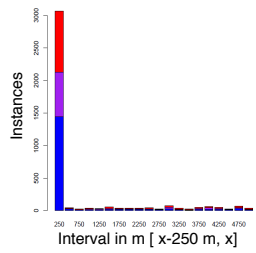
(2.f)



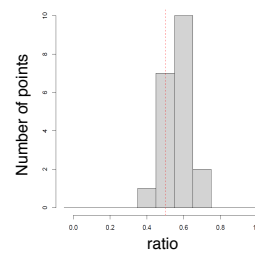
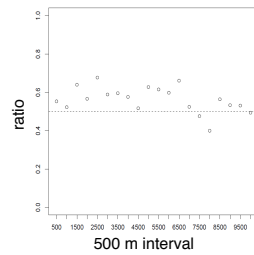
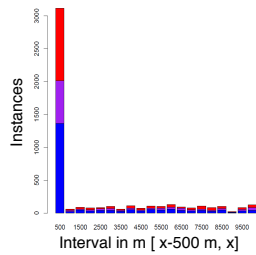
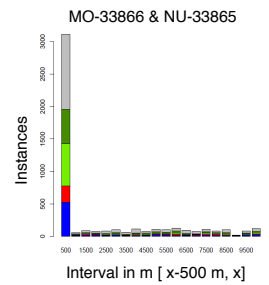
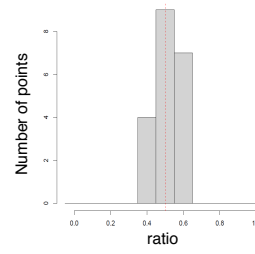
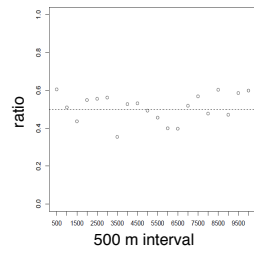
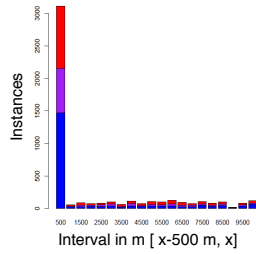
(2.g)



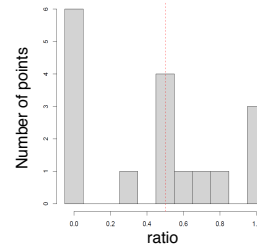
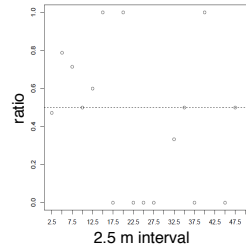
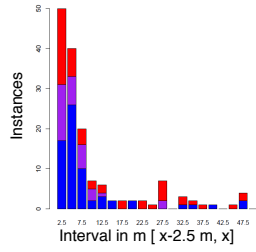
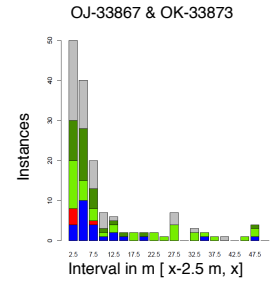
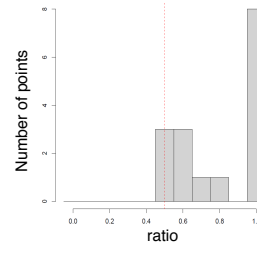
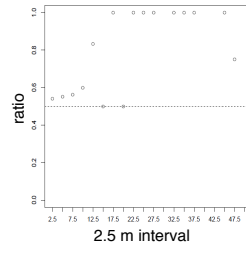
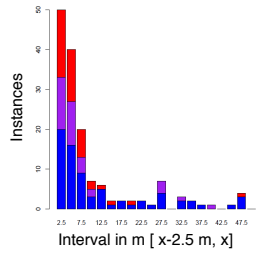
(2.h)



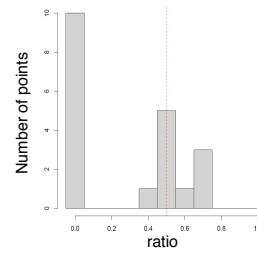
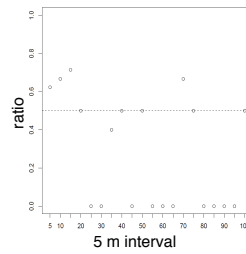
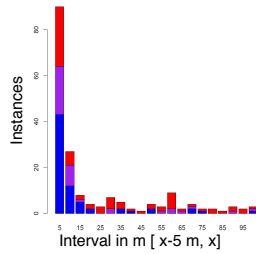
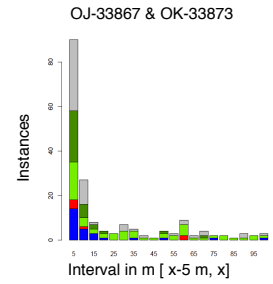
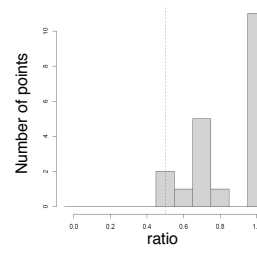
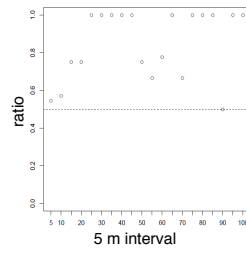
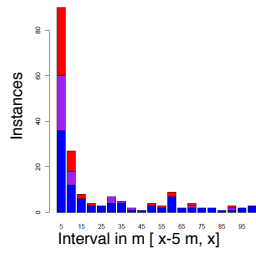
(2.i)



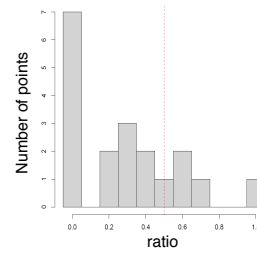
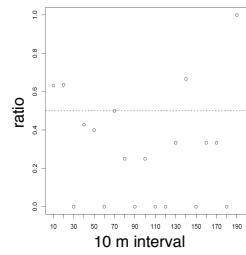
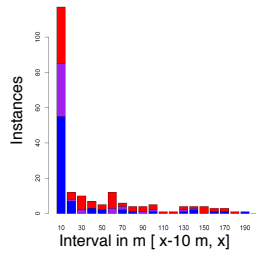
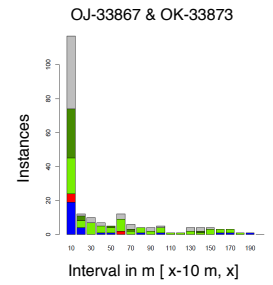
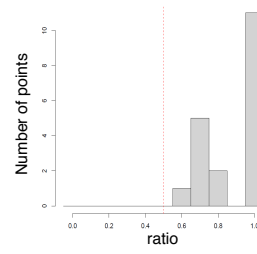
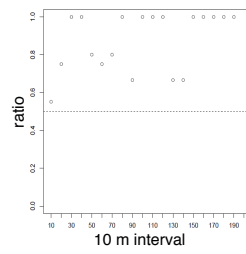
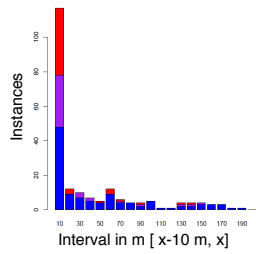
(3.a)



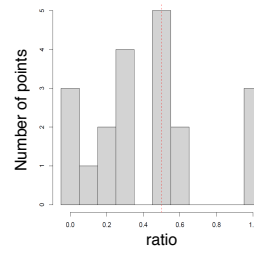
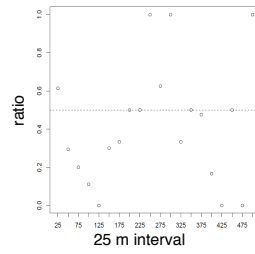
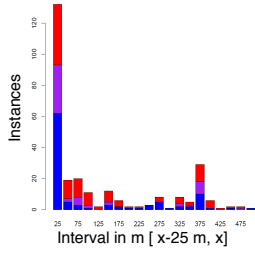
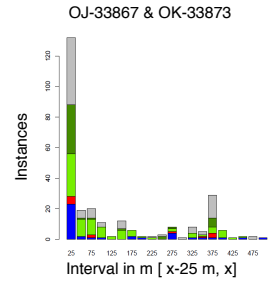
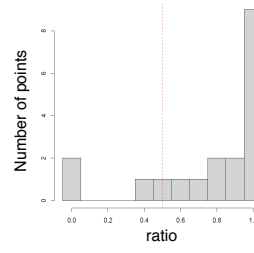
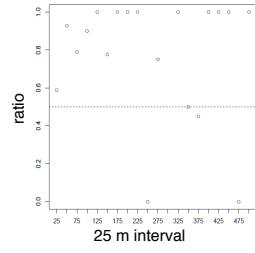
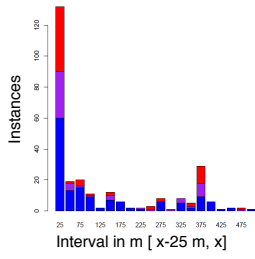
(3.b)



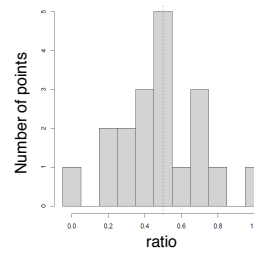
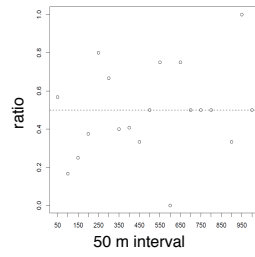
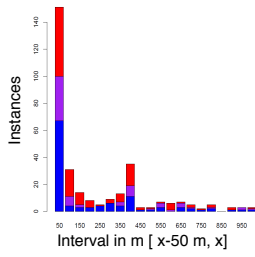
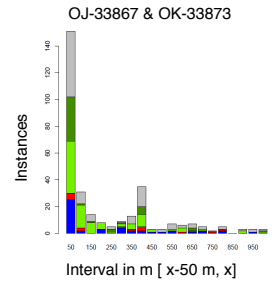
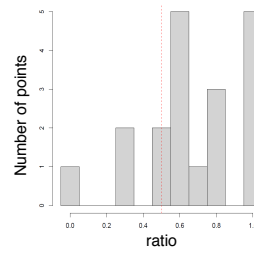
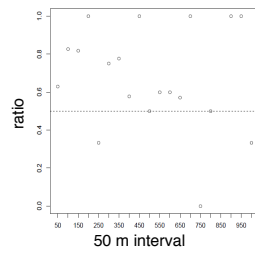
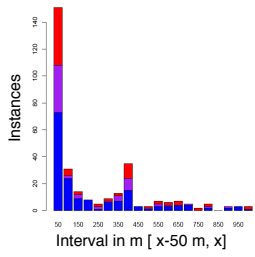
(3.c)



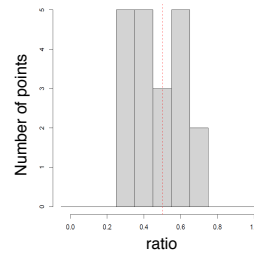
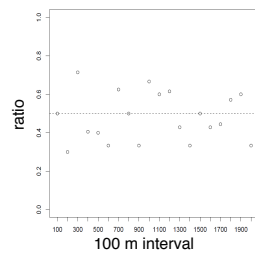
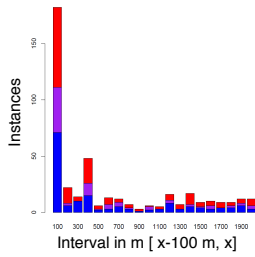
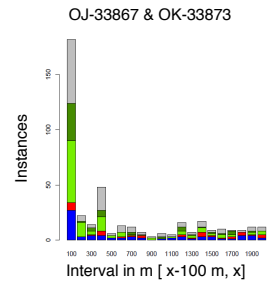
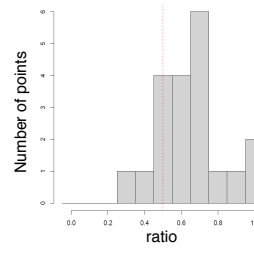
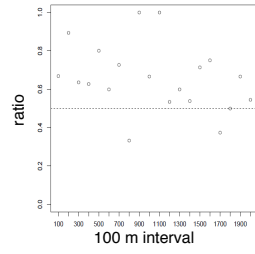
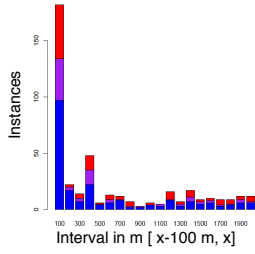
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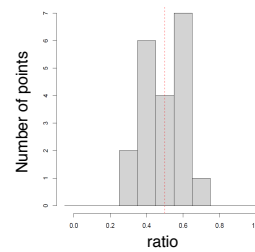
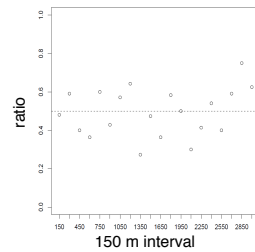
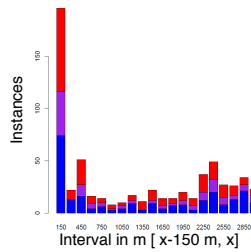
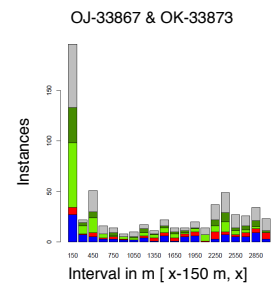
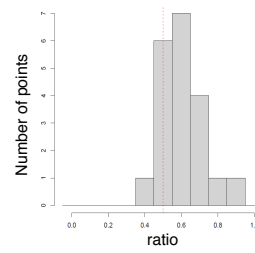
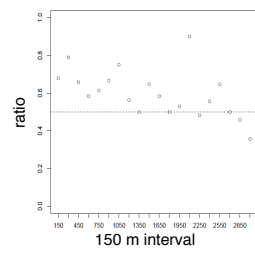
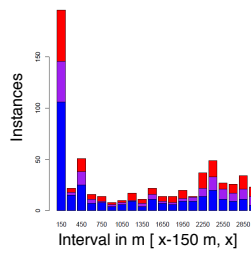
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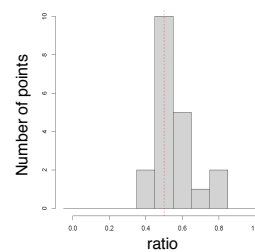
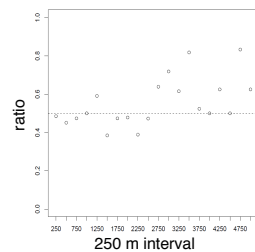
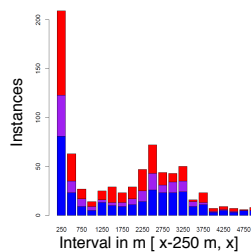
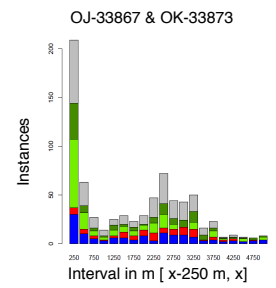
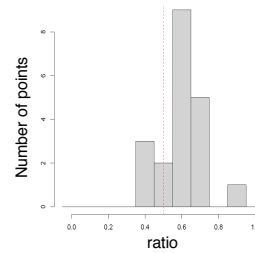
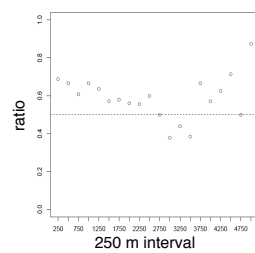
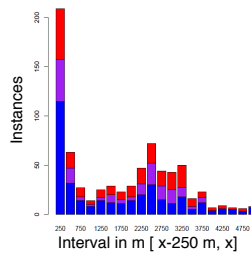
(3.f)



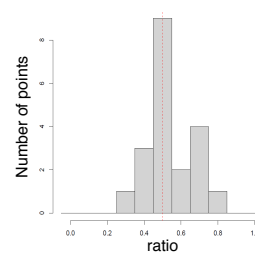
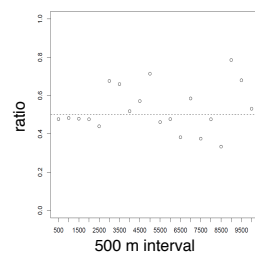
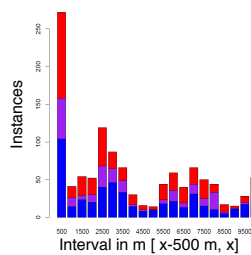
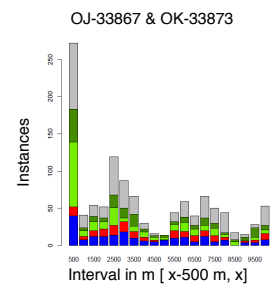
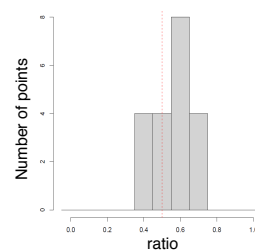
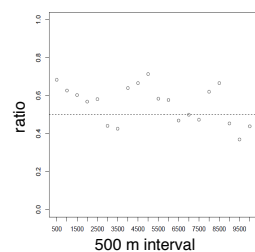
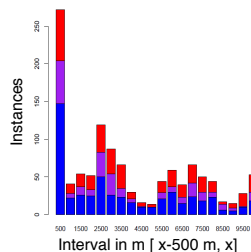
(3.g)



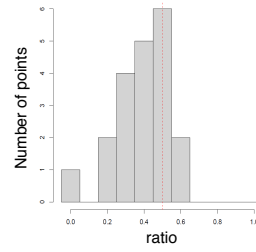
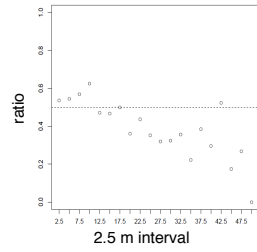
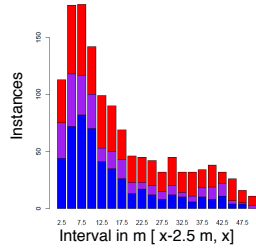
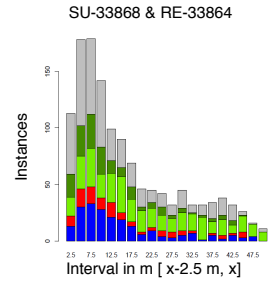
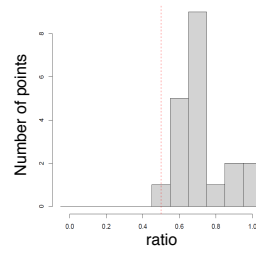
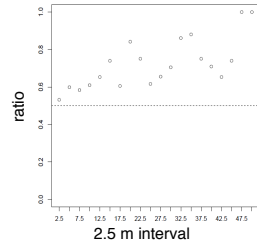
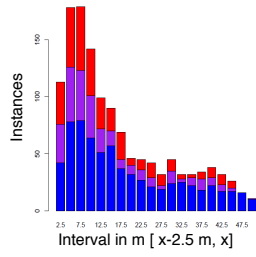
(3.h)



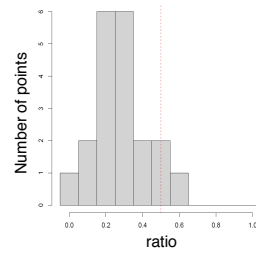
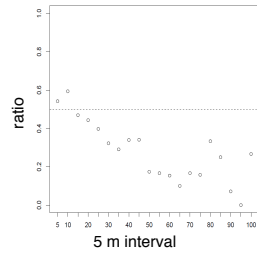
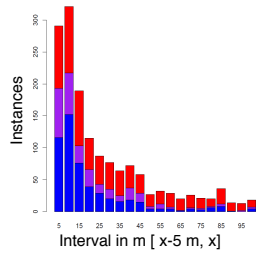
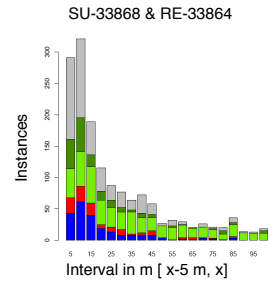
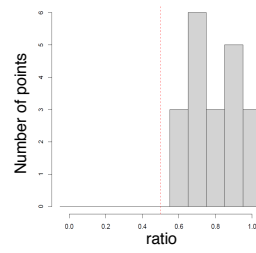
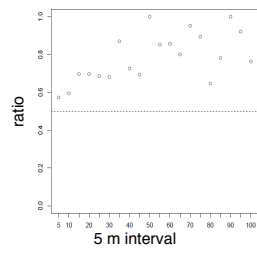
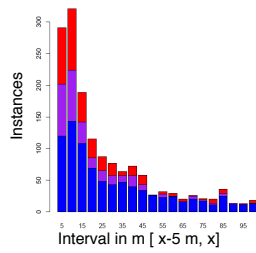
(3.i)



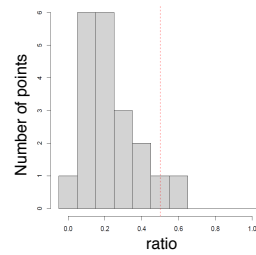
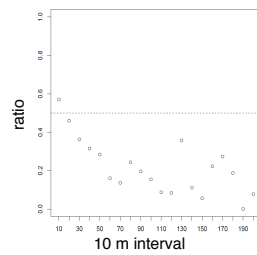
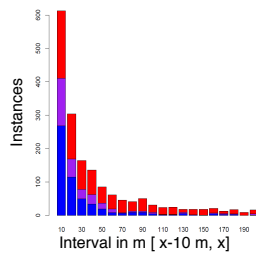
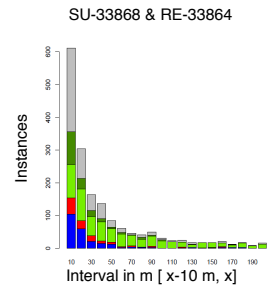
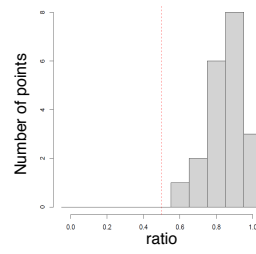
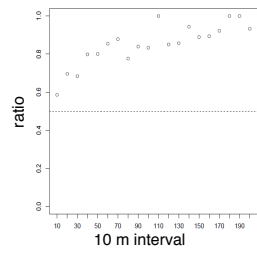
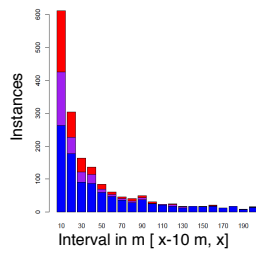
(4.a)



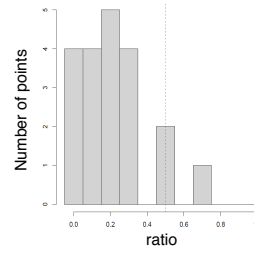
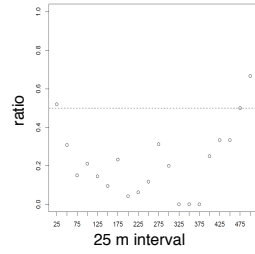
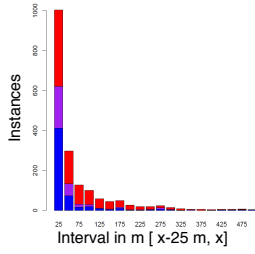
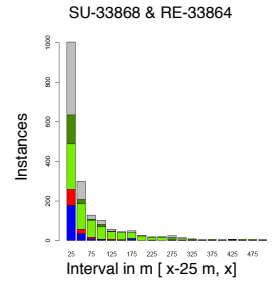
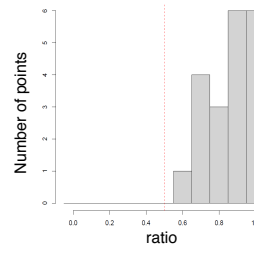
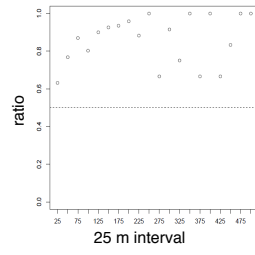
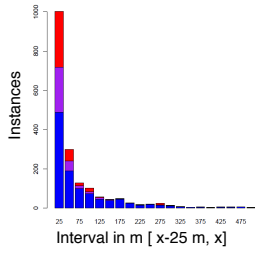
(4.b)



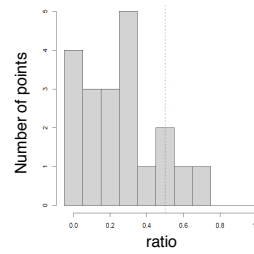
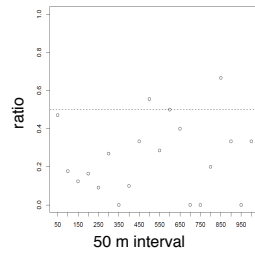
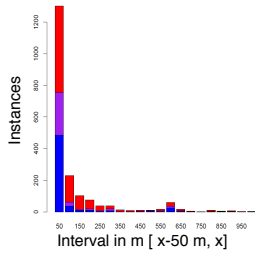
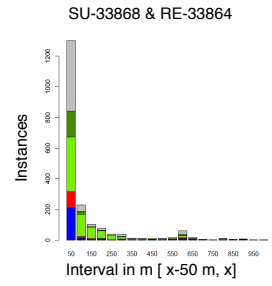
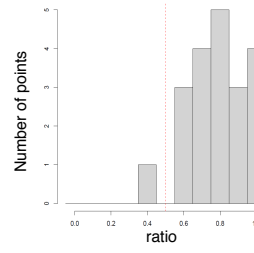
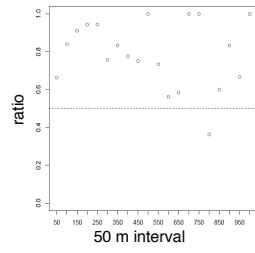
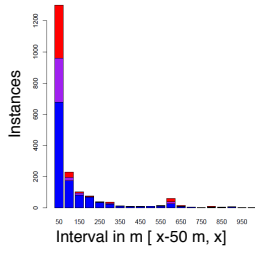
(4.c)



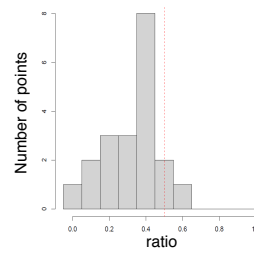
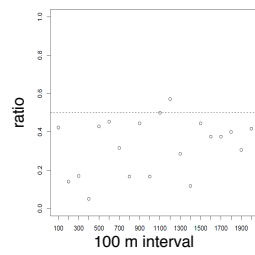
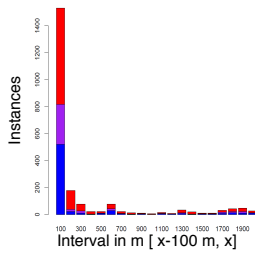
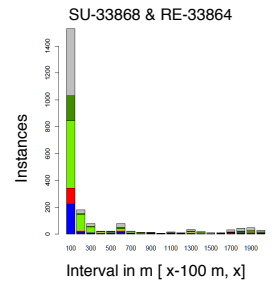
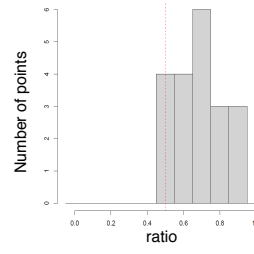
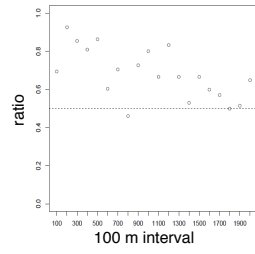
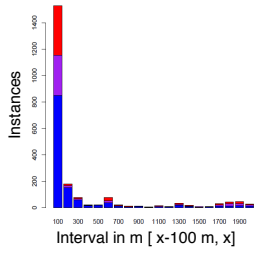
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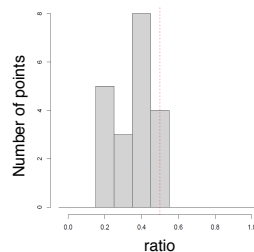
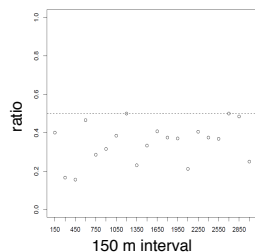
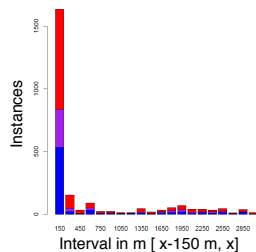
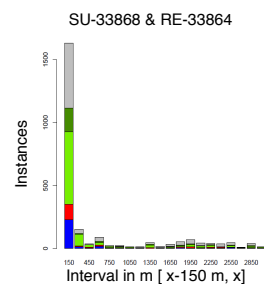
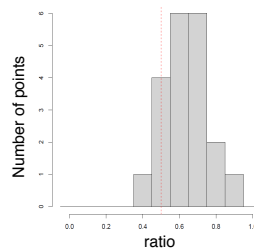
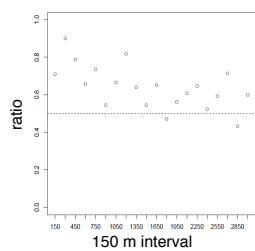
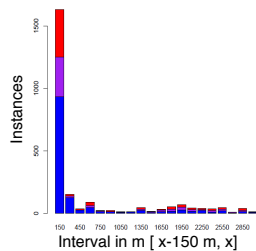
(4.e)



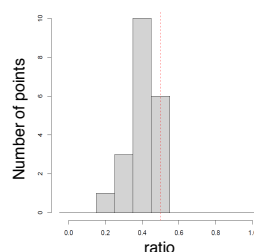
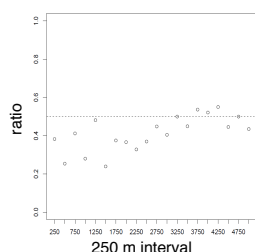
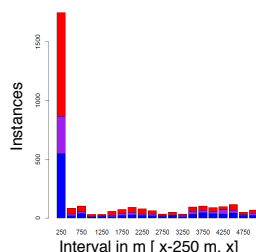
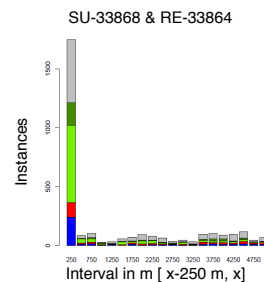
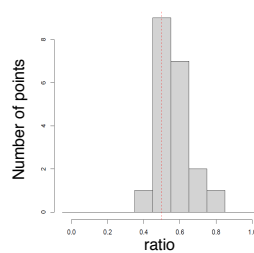
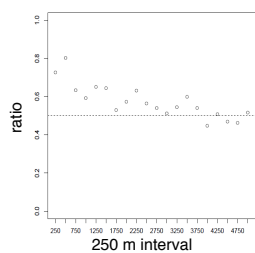
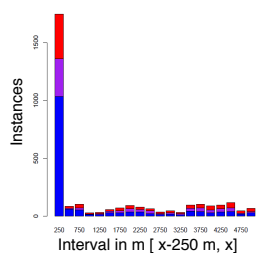
(4.f)



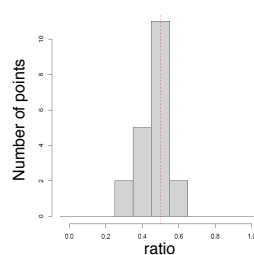
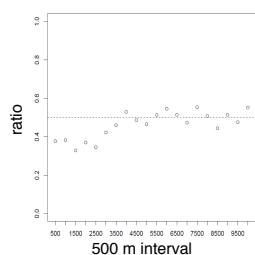
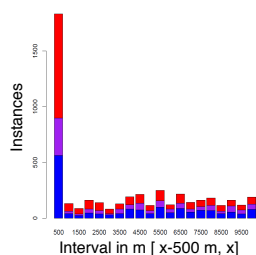
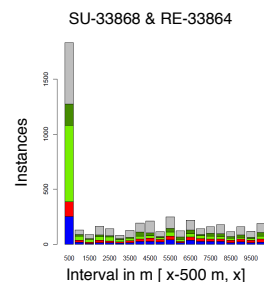
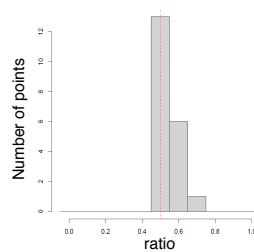
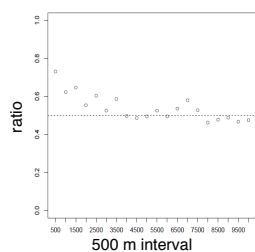
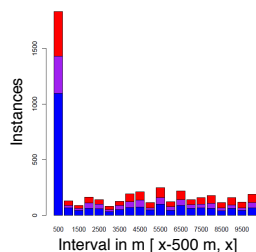
(4.g)



(4.h)



(4.i)



(5.a)

Figure 5(a) displays six plots comparing the distribution of instances and the ratio of points for two datasets, SU-33868 and MO-33868, across different intervals. The top row shows the distribution of instances (y-axis) versus the interval in meters [x-2.5 m, x] (x-axis) for SU-33868 (left) and MO-33868 (right). The bottom row shows the distribution of the ratio (y-axis) versus the interval in meters [x-2.5 m, x] (x-axis) for SU-33868 (left) and MO-33868 (right). The ratio is defined as the number of points in the interval [x-2.5 m, x] divided by the total number of points. The plots show that the ratio is generally higher for MO-33868 than for SU-33868, especially in the interval [42.5, 47.5].

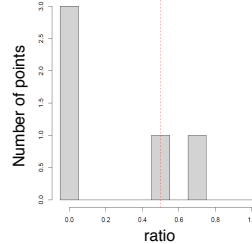
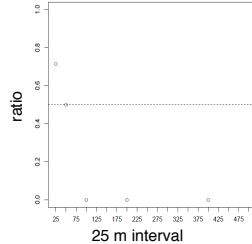
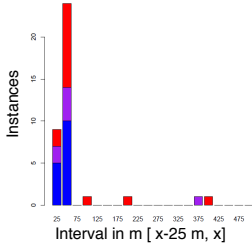
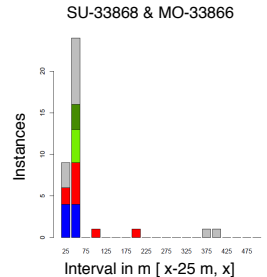
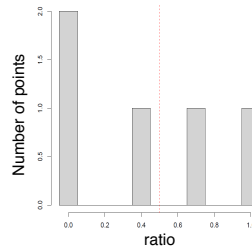
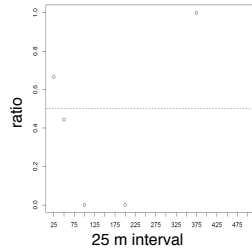
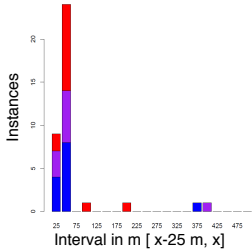
(5.b)

Figure 5b displays six plots arranged in a 3x2 grid, showing the distribution of points in 5m intervals and the ratio of points in each interval. The plots are arranged in a 3x2 grid. The top row shows the distribution of points in 5m intervals for the SU-33868 & MO-33868 dataset. The middle row shows the distribution of points in 5m intervals for the SU-33868 dataset. The bottom row shows the distribution of points in 5m intervals for the MO-33868 dataset. The left column shows the distribution of points in 5m intervals. The right column shows the ratio of points in each interval. The x-axis for all plots is 'Interval in m [x-5 m, x]' and the y-axis is 'Instances'.

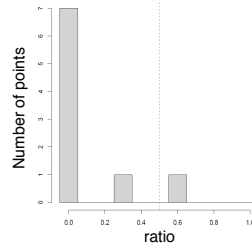
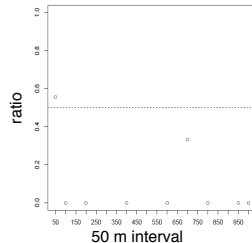
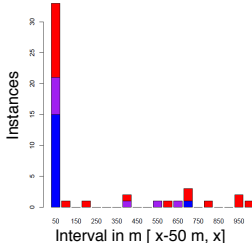
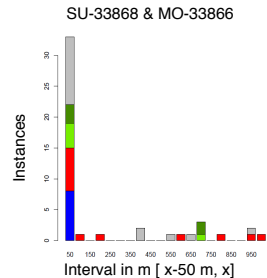
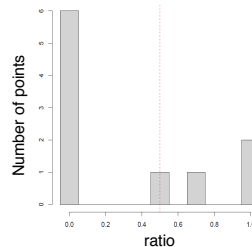
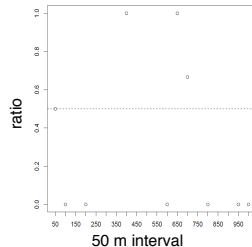
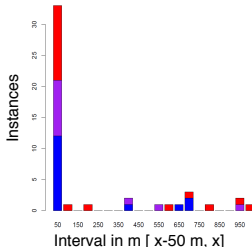
(5.c)

Figure 5c displays the comparison of SU-33868 and MO-33866. The figure is organized into three rows and two columns. The top row is labeled "SU-33868 & MO-33866". The left column shows histograms of "Interval in m [x-10 m, x]" for SU-33868 (top) and MO-33866 (bottom). The right column shows histograms of "ratio" for SU-33868 (top) and MO-33866 (bottom). The x-axis for the interval plots ranges from 10 to 190 m, and the y-axis represents "Instances" from 0 to 25. The x-axis for the ratio plots ranges from 0.0 to 1.0, and the y-axis represents "Number of points" from 0.0 to 3.0. A vertical dashed red line is present at a ratio of 0.5 in all ratio plots.

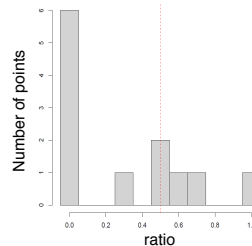
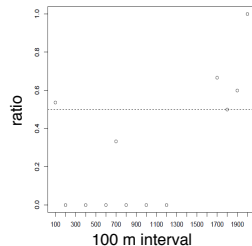
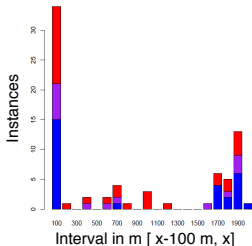
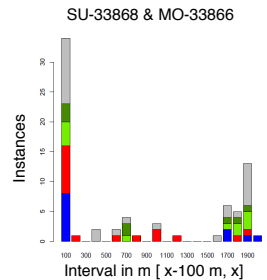
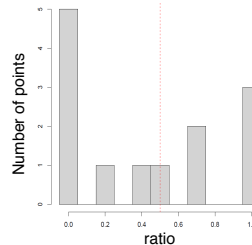
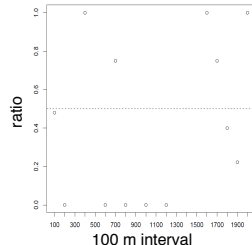
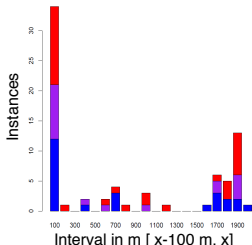
(5.d)



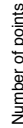
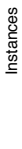
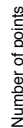
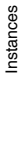
(5.e)



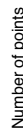
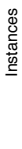
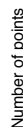
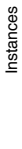
(5.f)



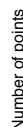
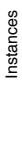
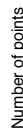
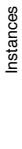
(5.g)



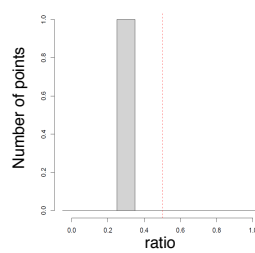
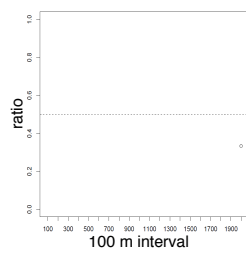
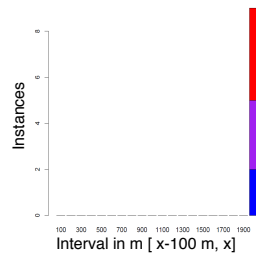
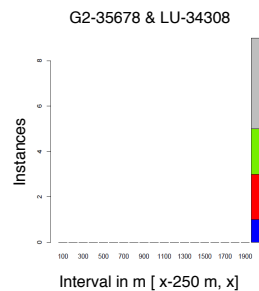
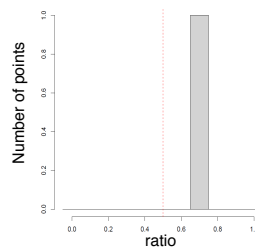
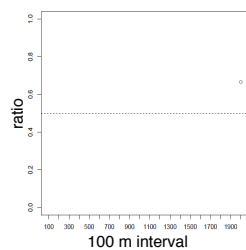
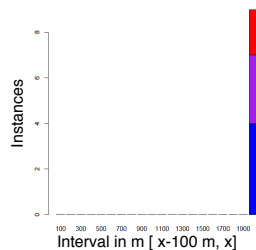
(5.h)



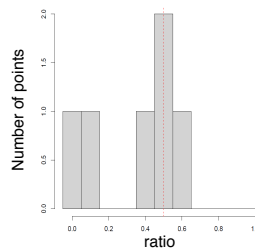
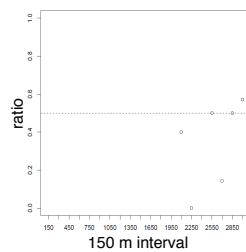
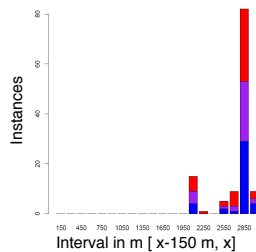
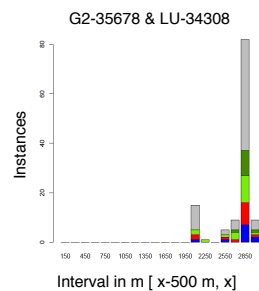
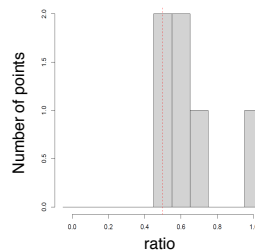
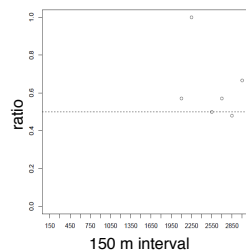
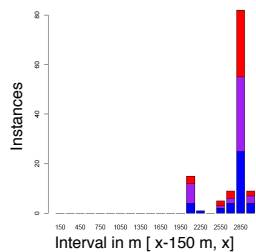
(5.i)



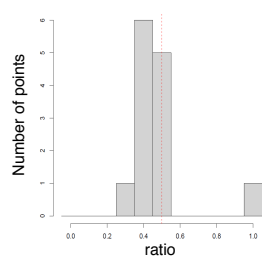
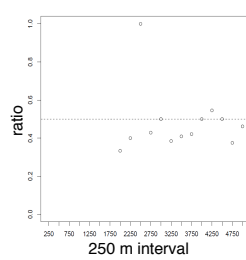
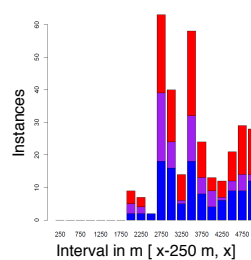
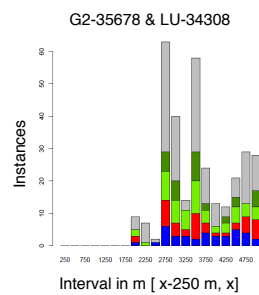
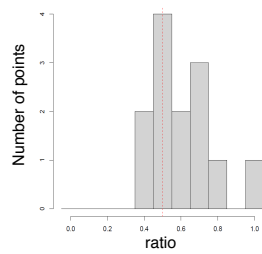
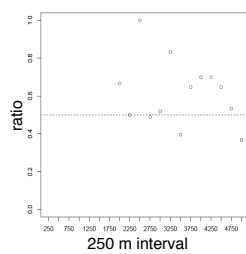
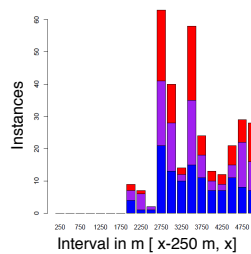
(6.a)



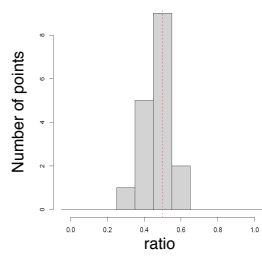
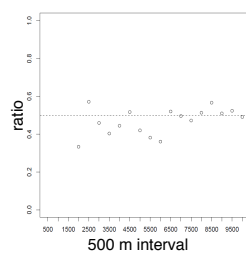
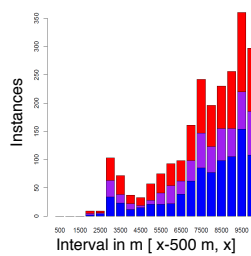
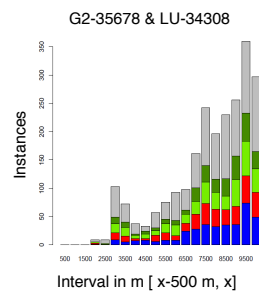
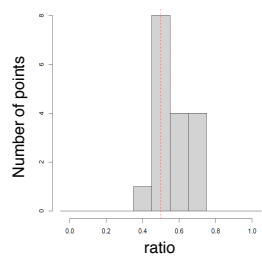
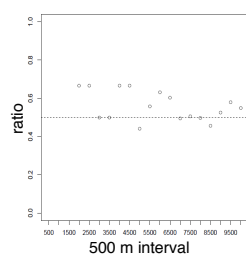
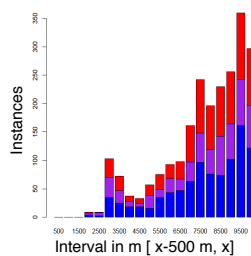
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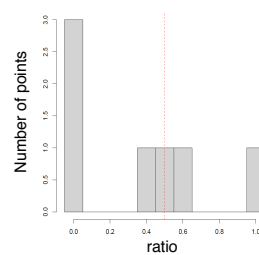
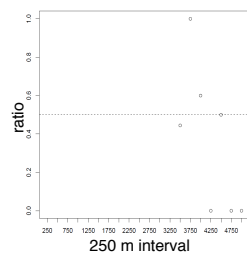
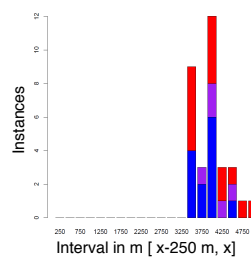
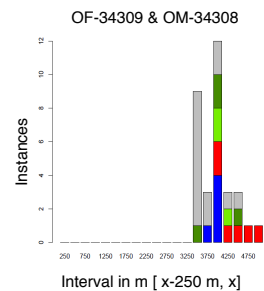
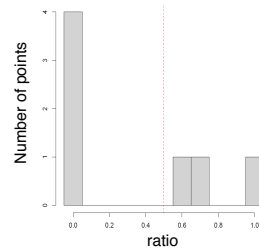
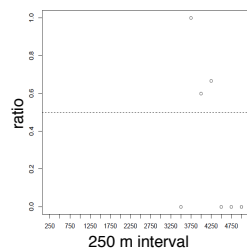
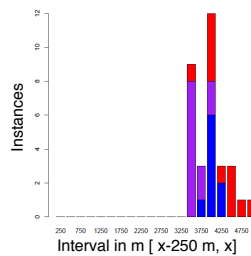
(6.c)



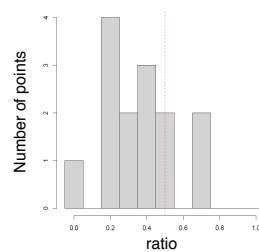
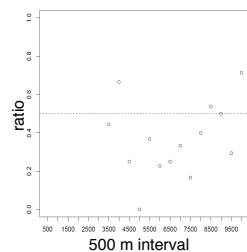
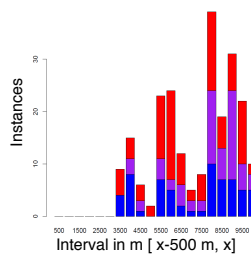
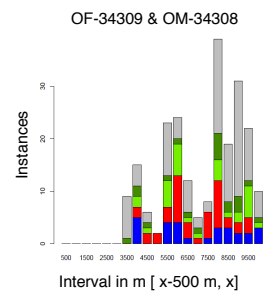
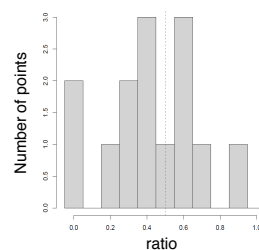
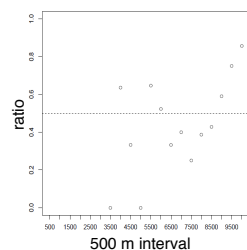
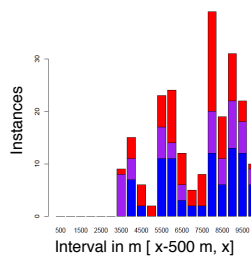
(6.d)



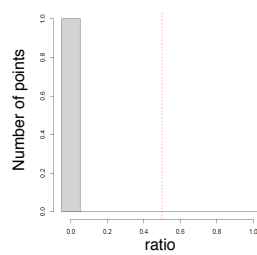
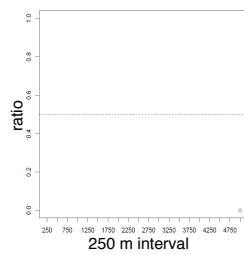
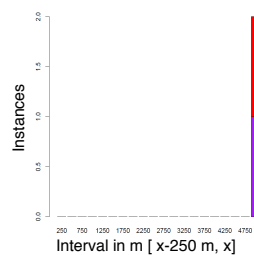
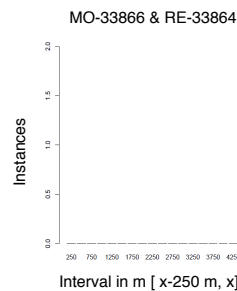
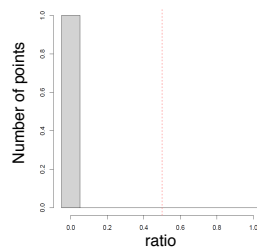
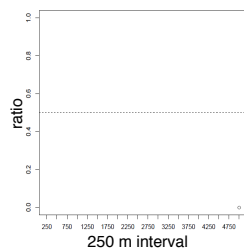
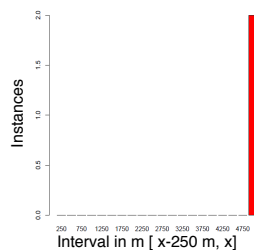
(7.a)



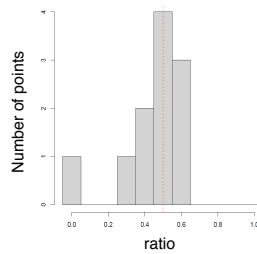
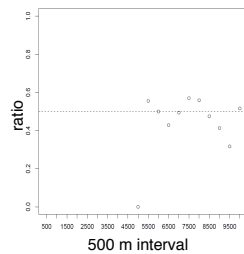
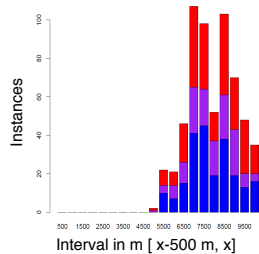
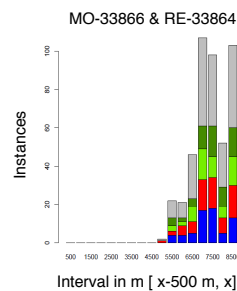
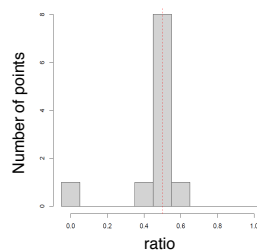
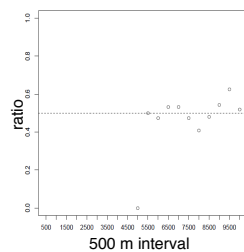
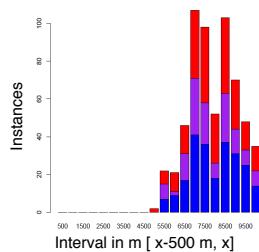
(7.b)



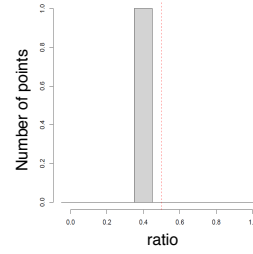
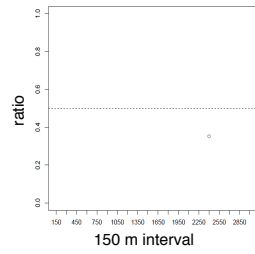
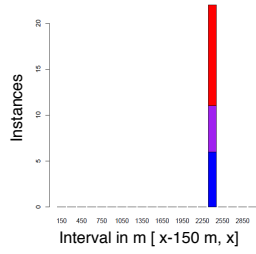
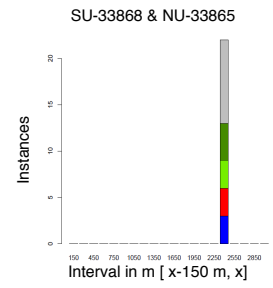
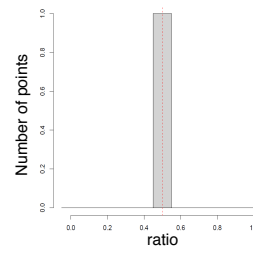
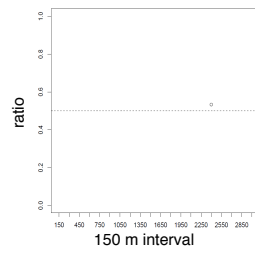
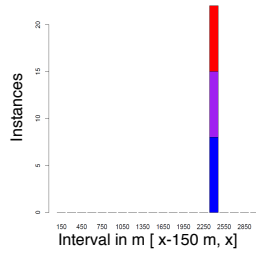
(8.a)



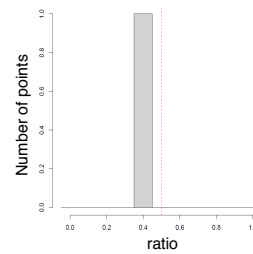
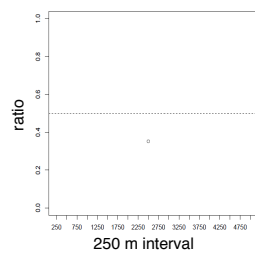
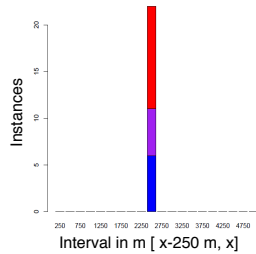
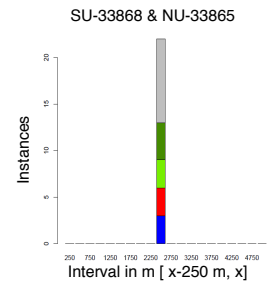
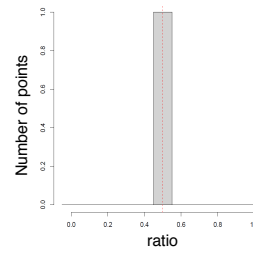
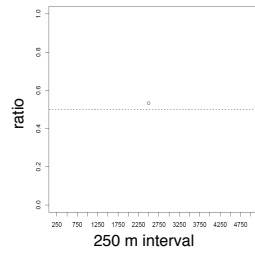
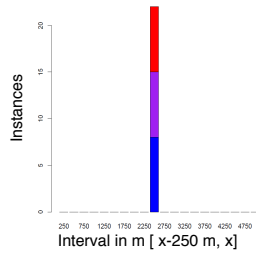
(8.b)



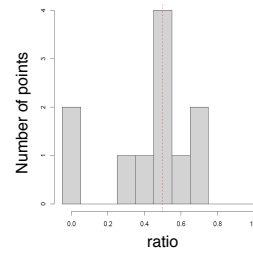
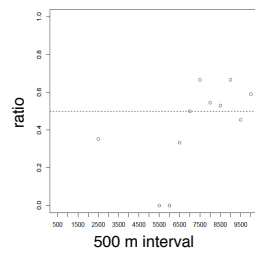
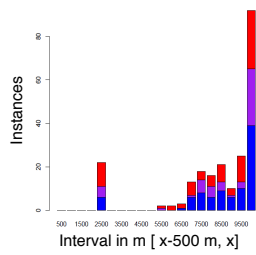
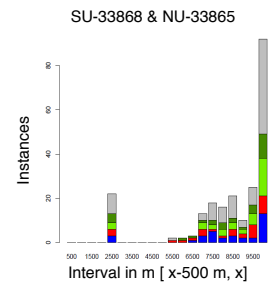
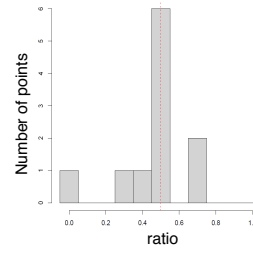
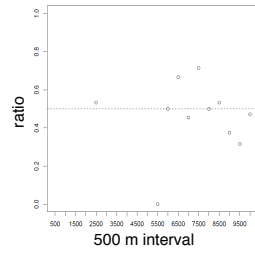
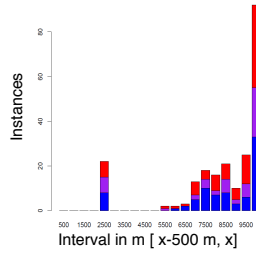
(9.a)



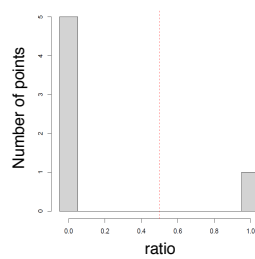
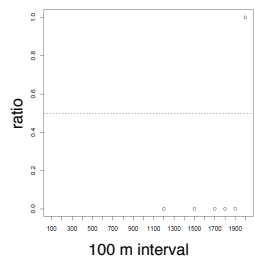
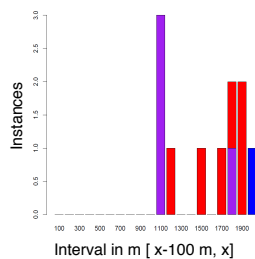
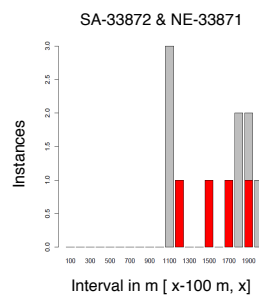
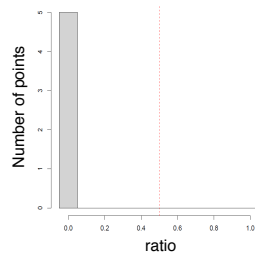
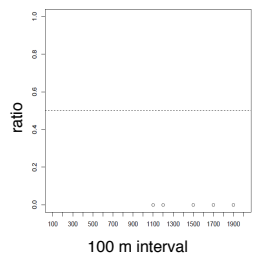
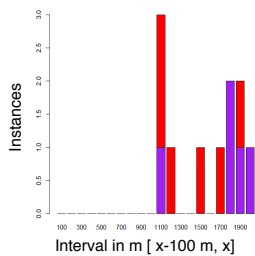
(9.b)



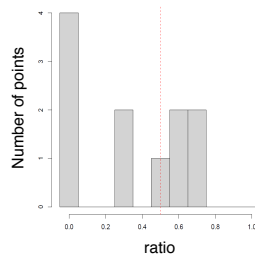
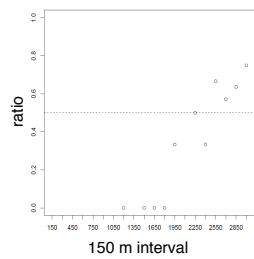
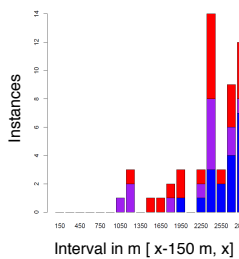
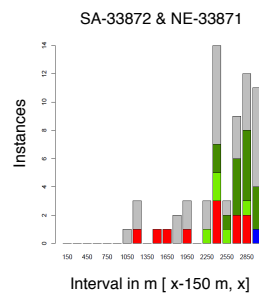
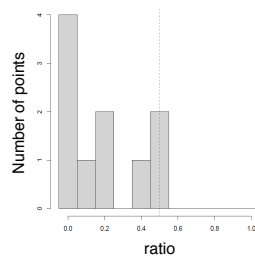
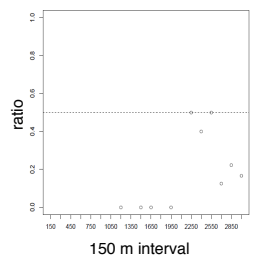
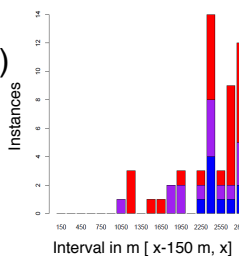
(9.c)



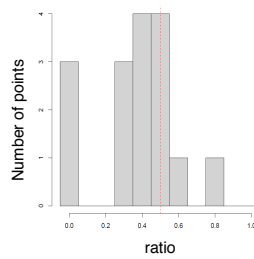
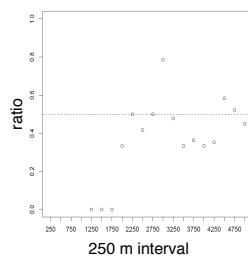
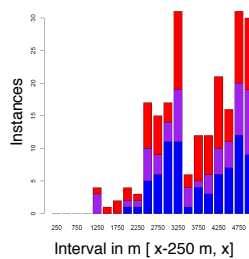
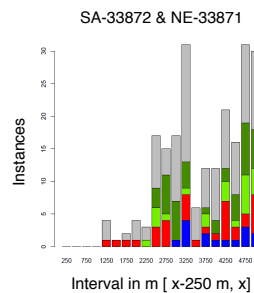
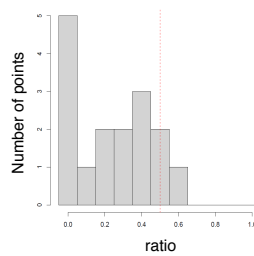
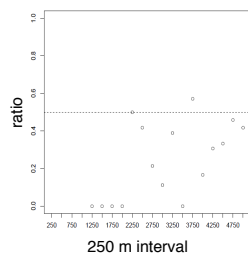
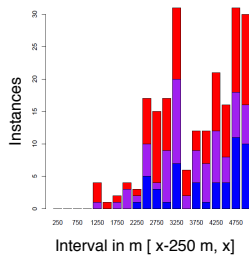
(10.a)



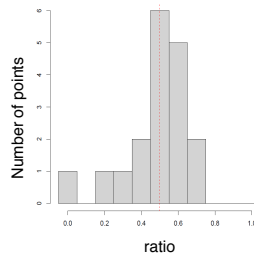
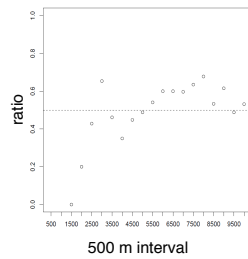
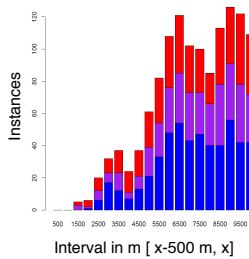
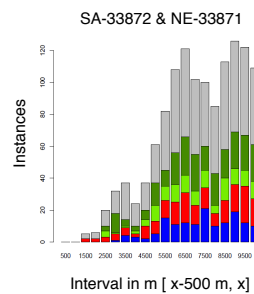
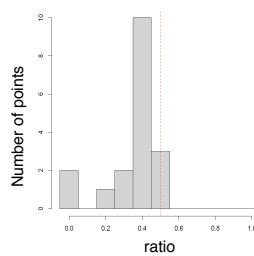
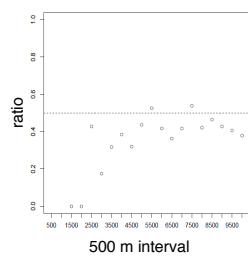
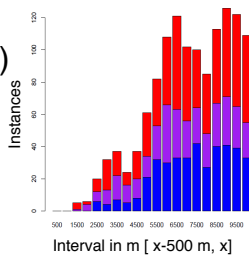
(10.b)



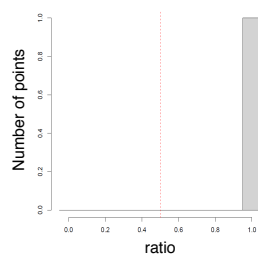
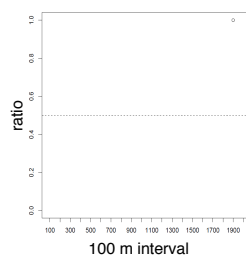
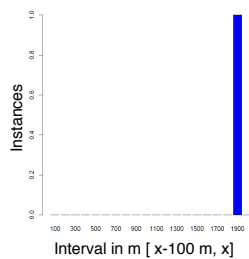
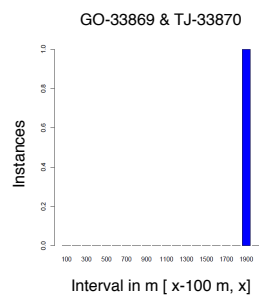
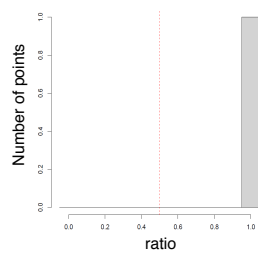
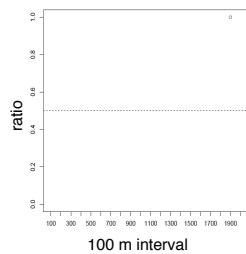
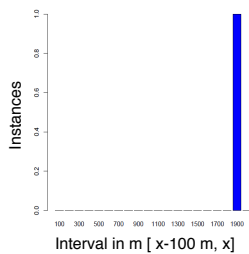
(10,c)



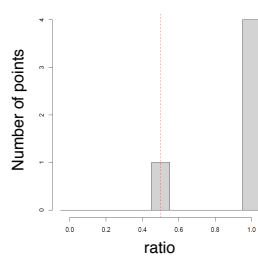
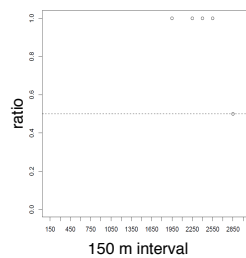
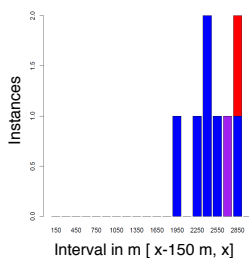
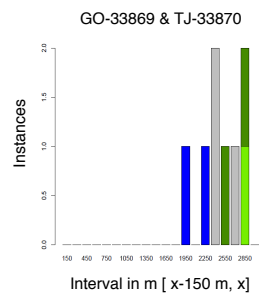
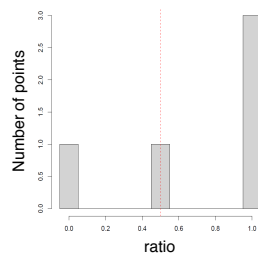
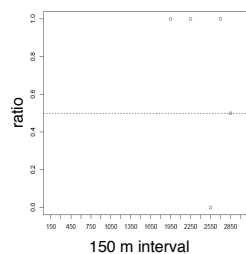
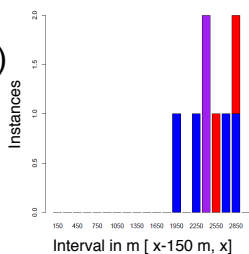
(10.d)



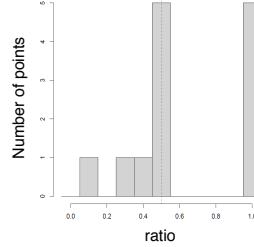
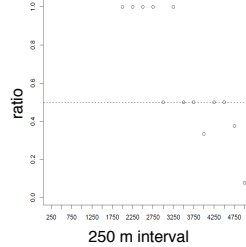
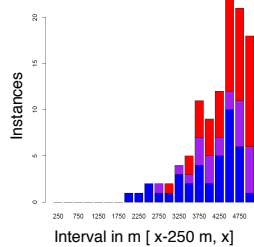
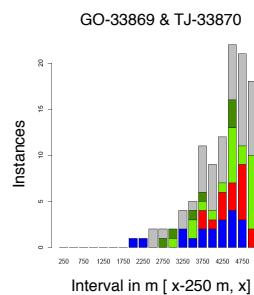
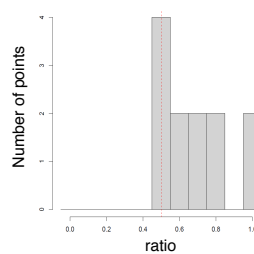
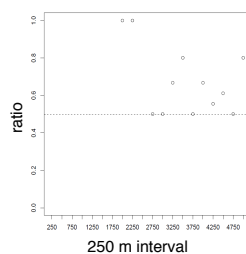
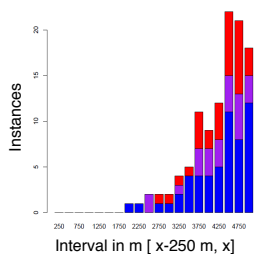
(11.a)



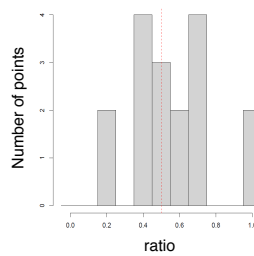
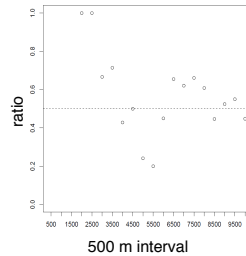
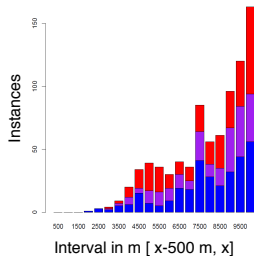
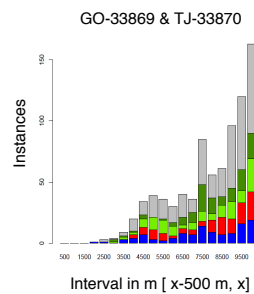
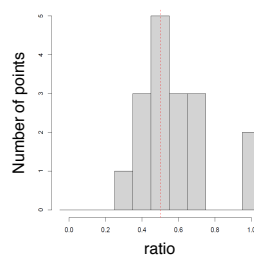
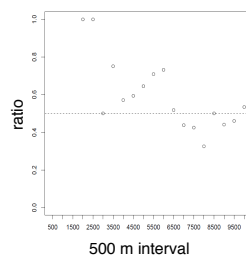
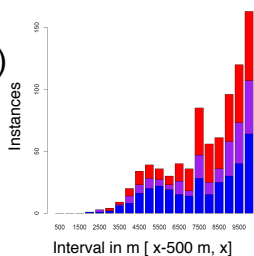
(11.b)



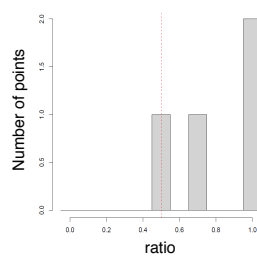
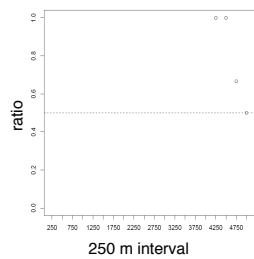
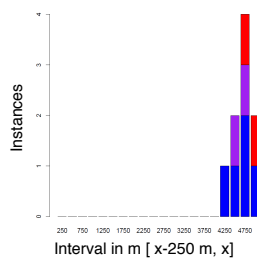
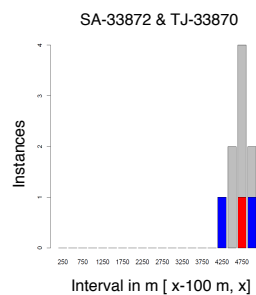
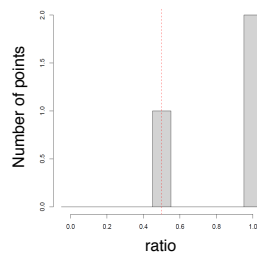
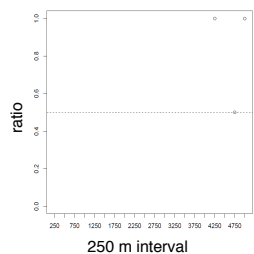
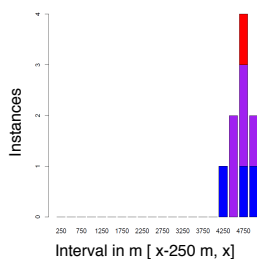
(11.c)



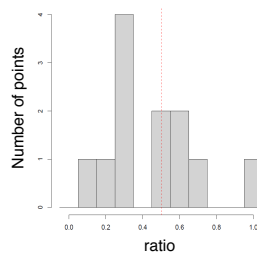
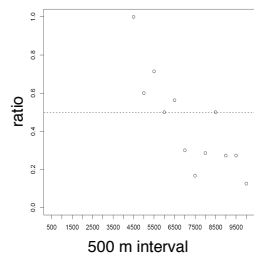
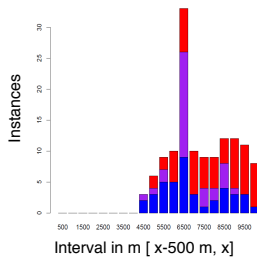
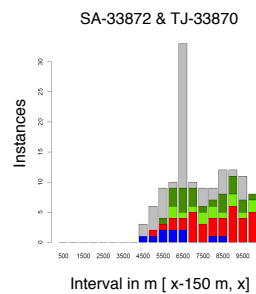
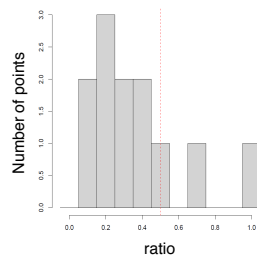
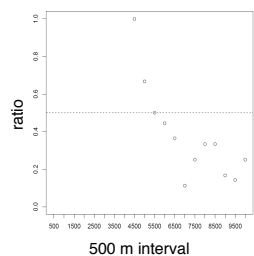
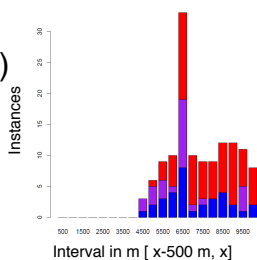
(11.d)



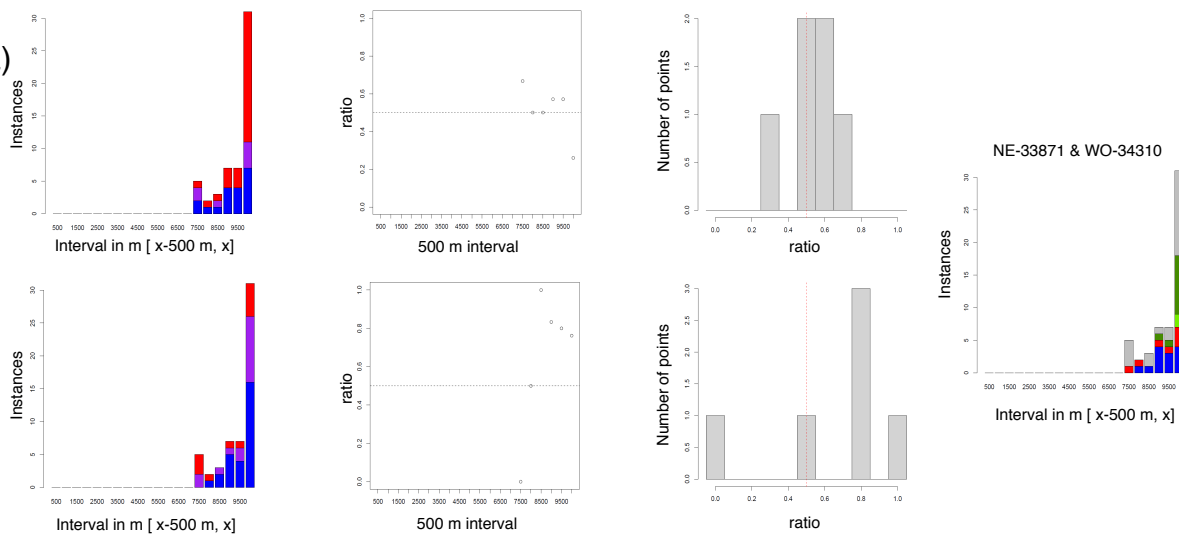
(12.a)



(12.b)



(13.a)



Supplementary Appendix 6. Movement distribution and ratio plots for conspecific dyads of lions from Chobe, Botswana (1), and Etosha, Namibia (2-9), and of spotted hyenas from Etosha, Namibia (10-13) at different distance intervals. Panels on the far left indicate the difference in the heading of one individual towards the other individual, while panels on the far right indicate the dyad's simultaneous movement types at the designated distance interval. Middle panels indicate the ratio of the towards / (towards + away) movements for the individual, and panels on the right indicate the distribution for the ratio. Upper three panels in all figures represent the movements of the first individual towards the second individual in the dyad, and the lower three panels represent the movements of the second individual towards the first individual in the dyad.