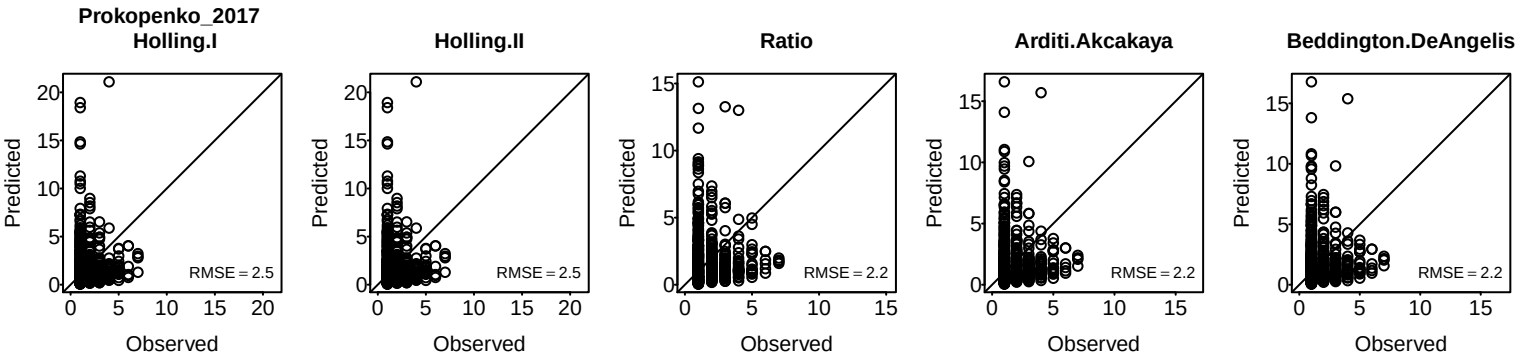
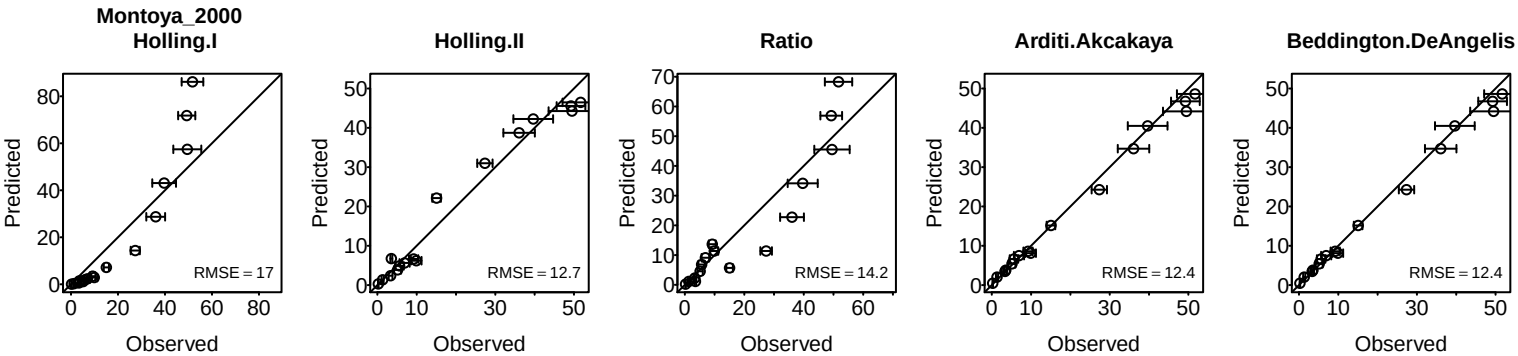
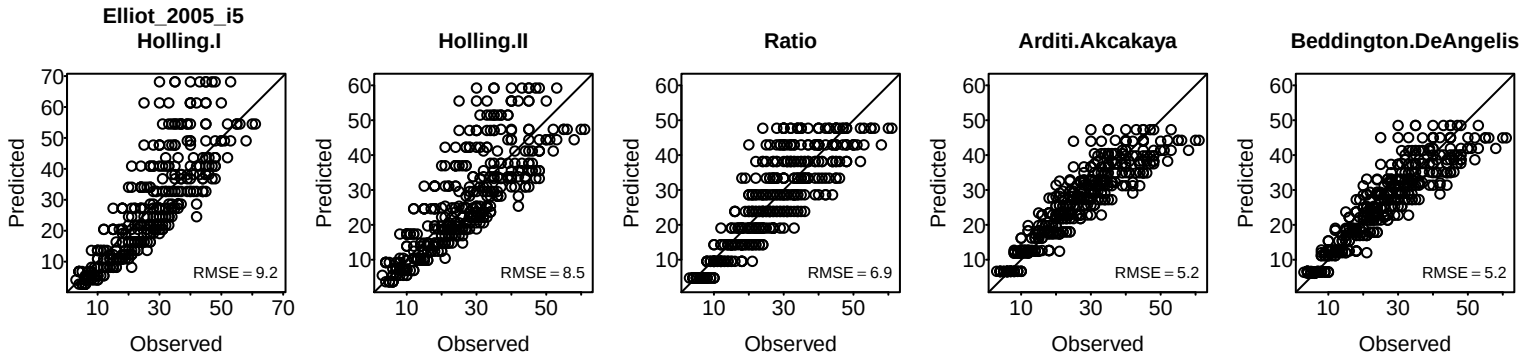
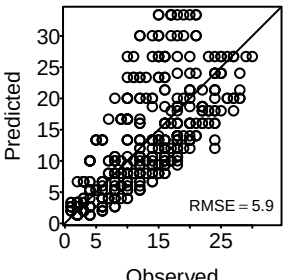

Prokopenko_2017
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 2.5
RMSE = 2.5
RMSE = 2.2
RMSE = 2.2
RMSE = 2.2
LL = −1371.2 (−1371.2, −1371.2)
AIC = 2740.5 (2740.5, 2740.5)
LL = −1371.2 (−1371.2, −1371.2)
AIC = 2740.5 (2740.5, 2740.5)
LL = −1331.5 (−1331.5, −1331.5)
AIC = 2661.1 (2661.1, 2661.1)
LL = −1315.6 (−1315.6, −1315.6)
AIC = 2629.2 (2629.2, 2629.2)
LL = −1314.6 (−1314.6, −1314.6)
AIC = 2627.2 (2627.2, 2627.2)


Montoya_2000
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 17
RMSE = 12.7
RMSE = 14.2
RMSE = 12.4
RMSE = 12.4
LL = −4336.1 (−4562.8, −4143.8)
AIC = 8670.1 (8285.7, 9123.6)
LL = −2862 (−2997, −2732.7)
AIC = 5722.1 (5463.4, 5991.9)
LL = −3235.5 (−3388.8, −3094.5)
AIC = 6469.1 (6187, 6775.6)
LL = −2690.5 (−2811, −2571)
AIC = 5379.1 (5140, 5619.9)
LL = −2690.5 (−2811, −2571)
AIC = 5379.1 (5140, 5619.9)

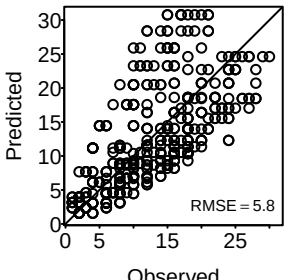

Elliot_2005_i5
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 9.2
RMSE = 8.5
RMSE = 6.9
RMSE = 5.2
RMSE = 5.2
LL = −1535.7 (−1535.7, −1535.7)
AIC = 3069.4 (3069.4, 3069.4)
LL = −1461.8 (−1461.8, −1461.8)
AIC = 2921.6 (2921.6, 2921.6)
LL = −1317.2 (−1317.2, −1317.2)
AIC = 2632.4 (2632.4, 2632.4)
LL = −1173.1 (−1173.1, −1173.1)
AIC = 2344.1 (2344.1, 2344.1)
LL = −1173.7 (−1173.7, −1173.7)
AIC = 2345.5 (2345.5, 2345.5)

Elliot_2005_i4
Holling.I



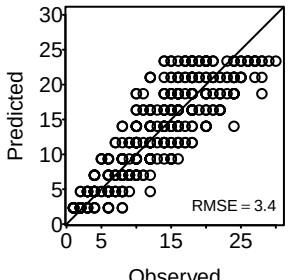
LL = −1317.3 (−1317.3, −1317.3)
AIC = 2632.6 (2632.6, 2632.6)

Holling.II



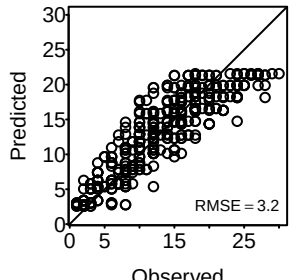
LL = −1305.4 (−1305.4, −1305.4)
AIC = 2608.9 (2608.9, 2608.9)

Ratio



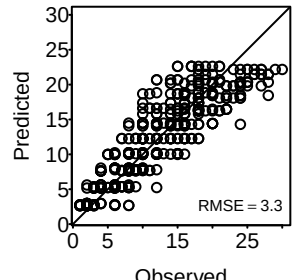
LL = −1025.4 (−1025.4, −1025.4)
AIC = 2048.8 (2048.8, 2048.8)

Arditi.Akcakaya

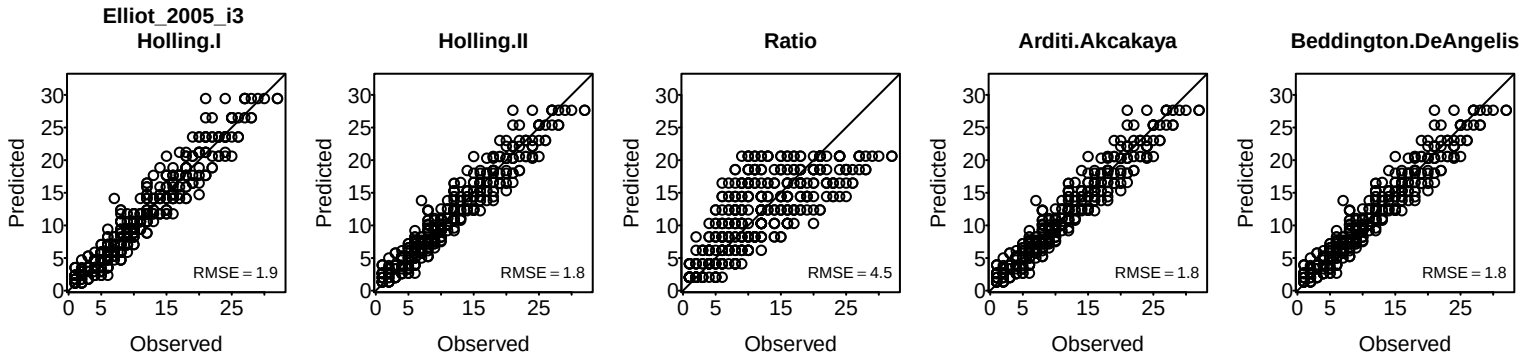


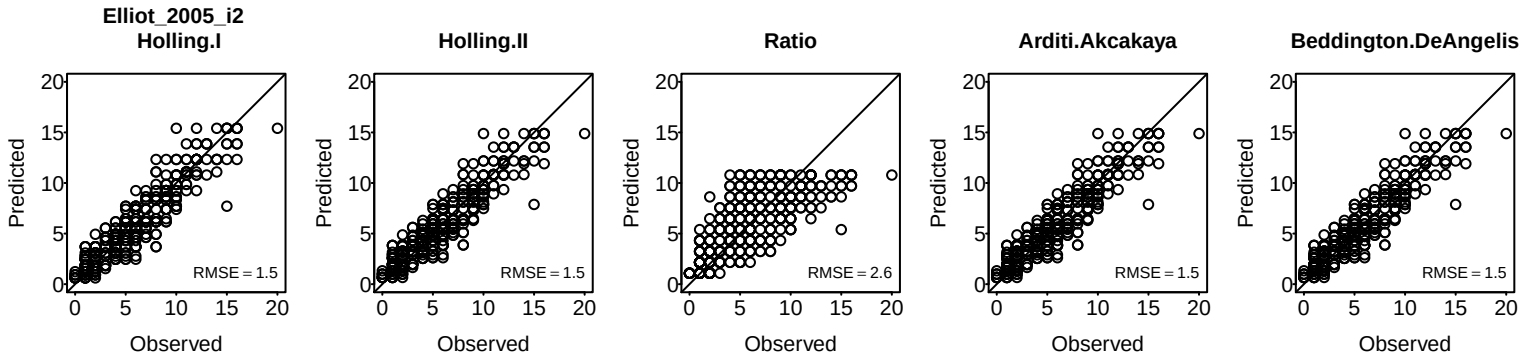
LL = −1003.8 (−1003.8, −1003.8)
AIC = 2005.7 (2005.7, 2005.7)

Beddington.DeAngelis

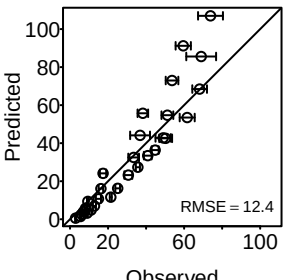


LL = −1012.2 (−1012.2, −1012.2)
AIC = 2022.4 (2022.4, 2022.4)


Elliot_2005_i3
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 1.9
RMSE = 1.8
RMSE = 4.5
RMSE = 1.8
RMSE = 1.8
LL = −884.1 (−884.1, −884.1)
AIC = 1766.3 (1766.3, 1766.3)
LL = −877.9 (−877.9, −877.9)
AIC = 1753.9 (1753.9, 1753.9)
LL = −1123.8 (−1123.8, −1123.8)
AIC = 2245.5 (2245.5, 2245.5)
LL = −877.9 (−877.9, −877.9)
AIC = 1753.9 (1753.9, 1753.9)
LL = −877.9 (−877.9, −877.9)
AIC = 1753.9 (1753.9, 1753.9)

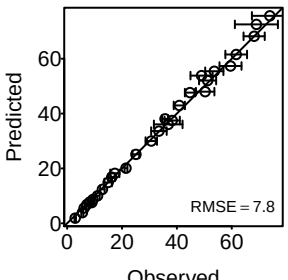

Elliot_2005_i2
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 1.5
RMSE = 1.5
RMSE = 2.6
RMSE = 1.5
RMSE = 1.5
LL = −759.7 (−759.7, −759.7)
AIC = 1517.4 (1517.4, 1517.4)
LL = −758.7 (−758.7, −758.7)
AIC = 1515.5 (1515.5, 1515.5)
LL = −885.2 (−885.2, −885.2)
AIC = 1768.4 (1768.4, 1768.4)
LL = −758.7 (−758.7, −758.7)
AIC = 1515.5 (1515.5, 1515.5)
LL = −758.7 (−758.7, −758.7)
AIC = 1515.5 (1515.5, 1515.5)

Uttley_1980_n2
Holling.I



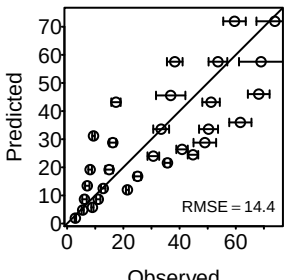
LL = −2217.5 (−2322.1, −2134.4)
AIC = 4433.1 (4266.9, 4642.3)

Holling.II



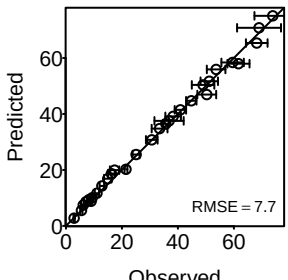
LL = −1276.7 (−1339.6, −1220)
AIC = 2551.3 (2438, 2677.2)

Ratio



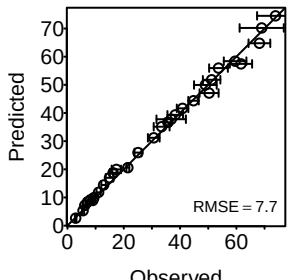
LL = −2777.9 (−2894.9, −2673.7)
AIC = 5553.8 (5345.4, 5787.8)

Arditi.Akcakaya

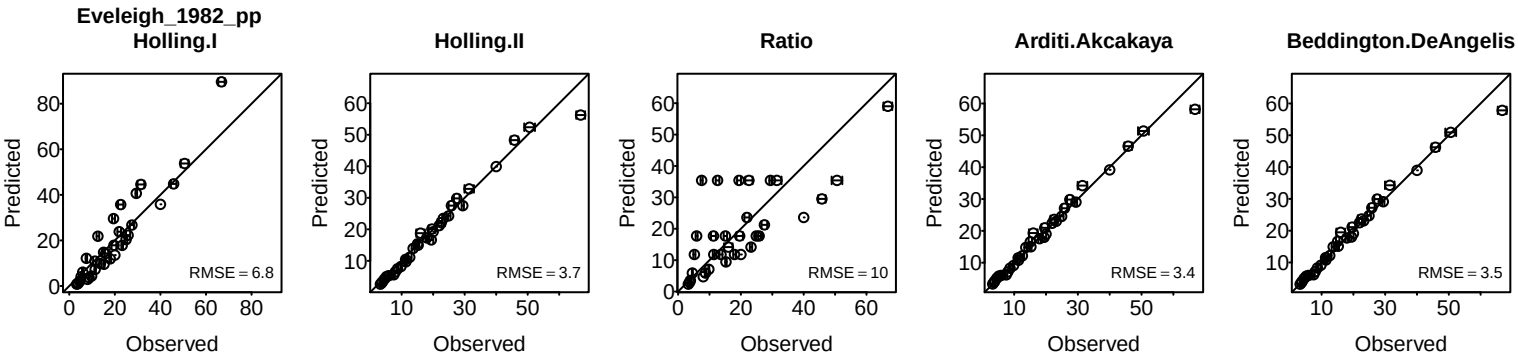


LL = −1239.3 (−1305.5, −1185.9)
AIC = 2476.6 (2369.8, 2609.1)

Beddington.DeAngelis



LL = −1239.3 (−1305.6, −1187.4)
AIC = 2476.5 (2372.8, 2609.2)



LL = −1561.9 (−1596.8, −1514.6)
AIC = 3121.8 (3027.1, 3191.6)

LL = −742.8 (−769.2, −716.4)
AIC = 1483.6 (1430.7, 1536.4)

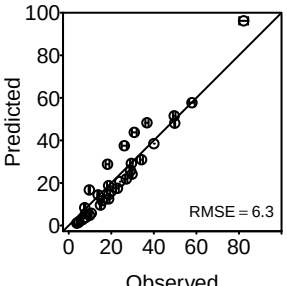
LL = −2170.4 (−2218.1, −2117.7)
AIC = 4338.9 (4233.4, 4434.2)

LL = −711.7 (−735.8, −686.2)
AIC = 1421.3 (1370.4, 1469.6)

LL = −712.5 (−737.1, −686.7)
AIC = 1423 (1371.4, 1472.3)

Eveleigh_1982_pd

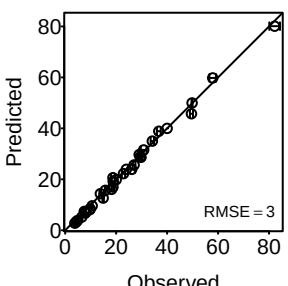
Holling.I



LL = −1357.5 (−1397.2, −1325)

AIC = 2713 (2647.9, 2792.3)

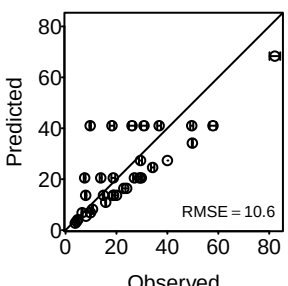
Holling.II



LL = −631.6 (−659.3, −598.6)

AIC = 1261.1 (1195.2, 1316.6)

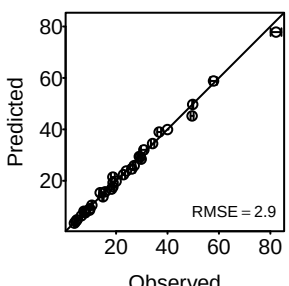
Ratio



LL = −2196 (−2253.2, −2143)

AIC = 4389.9 (4284.1, 4504.3)

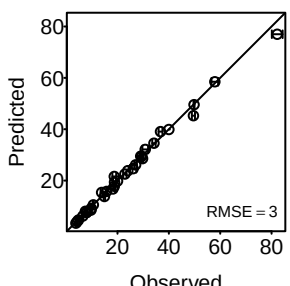
Arditi.Akcakaya



LL = −561.9 (−582.4, −539.2)

AIC = 1121.8 (1076.4, 1162.9)

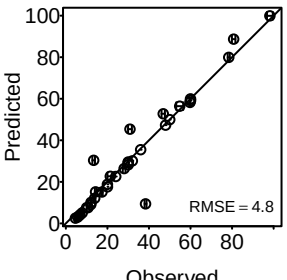
Beddington.DeAngelis



LL = −562.8 (−583.6, −540.9)

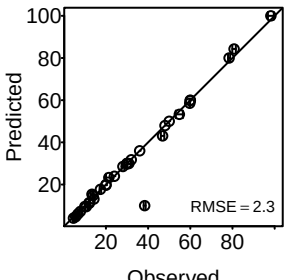
AIC = 1123.6 (1079.8, 1165.2)

Eveleigh_1982_ap Holling.I



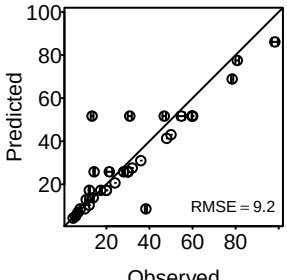
LL = −855.4 (−893.2, −821.3)
AIC = 1708.8 (1640.6, 1784.4)

Holling.II



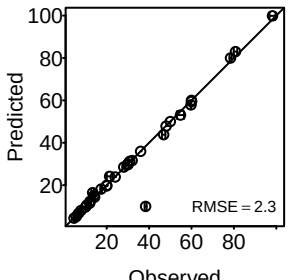
LL = −484.4 (−530.5, −434.1)
AIC = 966.8 (866.2, 1059)

Ratio



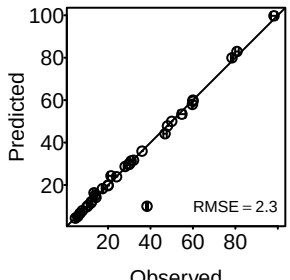
LL = −1869.7 (−1922.6, −1813.5)
AIC = 3737.3 (3624.9, 3843.3)

Arditi.Akcakaya

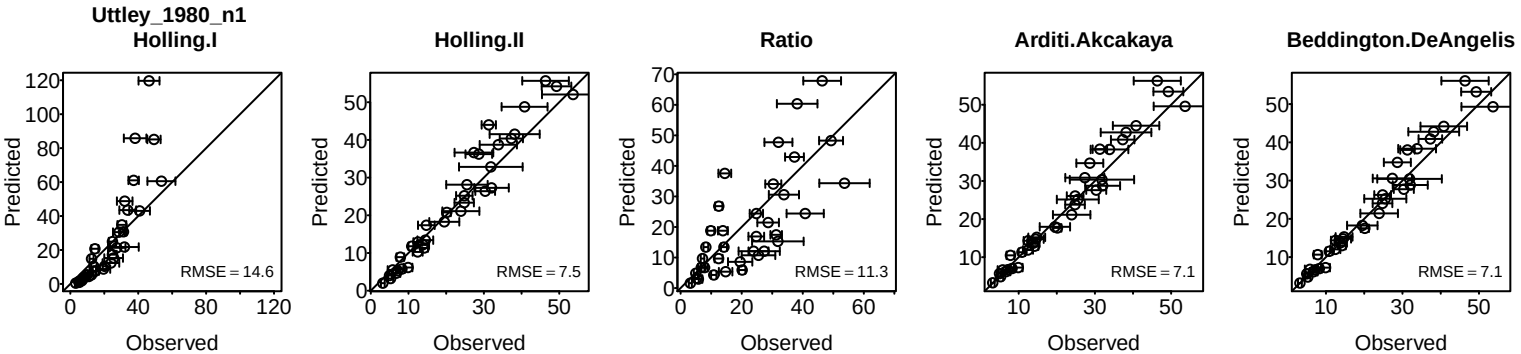


LL = −423.4 (−448.8, −392.1)
AIC = 844.7 (782.2, 895.6)

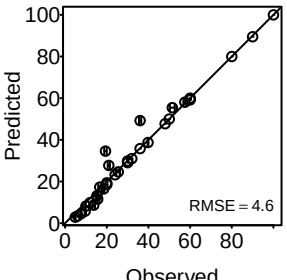
Beddington.DeAngelis



LL = −408.1 (−430.8, −381.6)
AIC = 814.3 (761.2, 859.6)

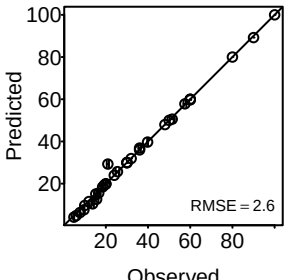

Uttley_1980_n1
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 14.6
RMSE = 7.5
RMSE = 11.3
RMSE = 7.1
RMSE = 7.1
LL = −2212.3 (−2312.2, −2116.8)
AIC = 4422.6 (4231.7, 4622.3)
LL = −1212.4 (−1277.8, −1151.9)
AIC = 2422.8 (2301.8, 2553.6)
LL = −1841.1 (−1937.5, −1744.7)
AIC = 3680.1 (3487.4, 3872.9)
LL = −1100.7 (−1156, −1051.7)
AIC = 2199.3 (2101.4, 2310.1)
LL = −1099.7 (−1156.9, −1051.6)
AIC = 2197.4 (2101.2, 2311.9)

Eveleigh_1982_ad
Holling.I



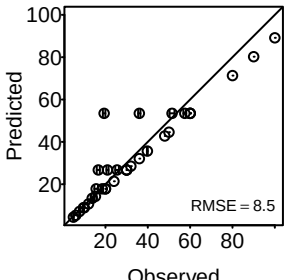
LL = −636.5 (−666.7, −614.7)
AIC = 1271.1 (1227.4, 1331.4)

Holling.II



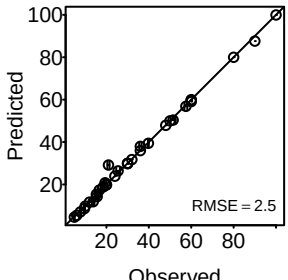
LL = −418.4 (−444.6, −392.5)
AIC = 834.8 (783, 887.2)

Ratio



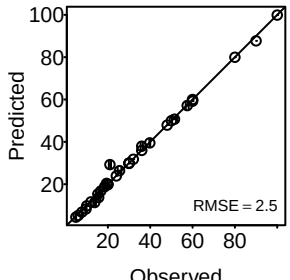
LL = −1465.1 (−1503.4, −1414.4)
AIC = 2928.2 (2826.9, 3004.8)

Arditi.Akcakaya

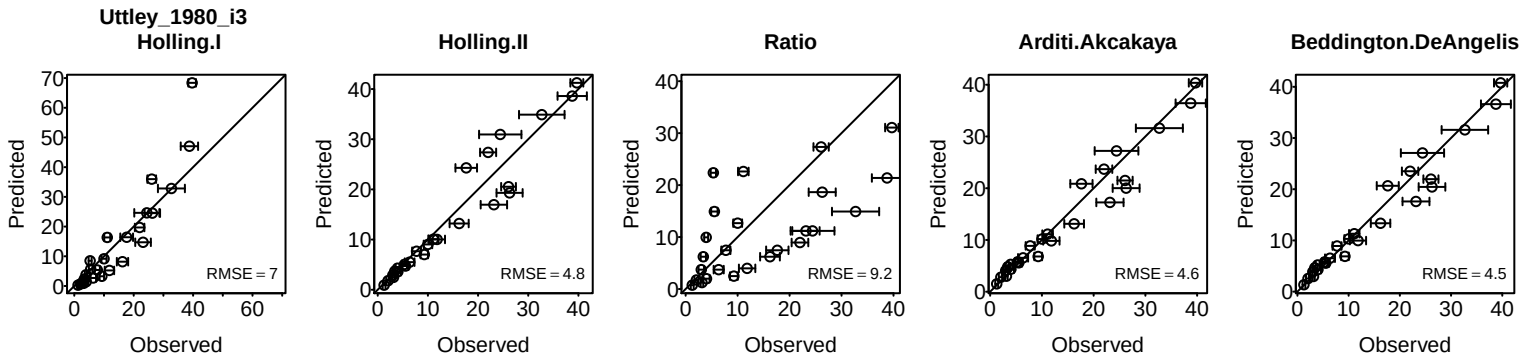


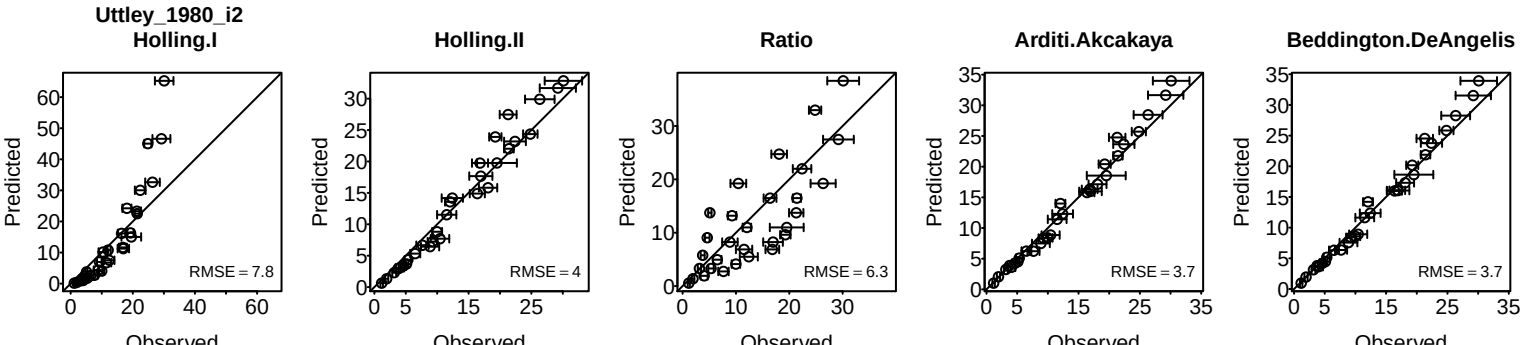
LL = −391.3 (−416.6, −366.6)
AIC = 780.6 (731.2, 831.3)

Beddington.DeAngelis



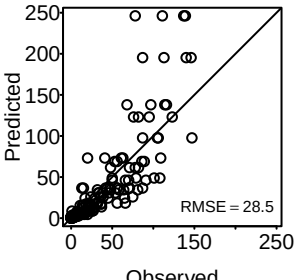
LL = −406.7 (−433.1, −380.9)
AIC = 811.5 (759.9, 864.2)


Uttley_1980_i3
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 7
RMSE = 4.8
RMSE = 9.2
RMSE = 4.6
RMSE = 4.5
LL = −1014.5 (−1065.3, −967.2)
AIC = 2027 (1932.3, 2128.6)
LL = −725.3 (−765.9, −689.5)
AIC = 1448.7 (1377.1, 1529.8)
LL = −1472 (−1539.8, −1405.4)
AIC = 2942 (2808.9, 3077.7)
LL = −700.9 (−735.8, −669.3)
AIC = 1399.7 (1336.6, 1469.6)
LL = −693 (−727.4, −661.3)
AIC = 1383.9 (1320.5, 1452.8)


Uttley_1980_i2
Holling.I
Predicted
Observed
RMSE = 7.8
LL = −966 (−1019, −922.8)
AIC = 1930 (1843.6, 2036)
Holling.II
Predicted
Observed
RMSE = 4
LL = −582.6 (−605.7, −559.9)
AIC = 1163.1 (1117.7, 1209.3)
Ratio
Predicted
Observed
RMSE = 6.3
LL = −893.1 (−934.3, −856)
AIC = 1784.2 (1710.1, 1866.6)
Arditi.Akcakaya
Predicted
Observed
RMSE = 3.7
LL = −540.4 (−557.8, −522.6)
AIC = 1078.7 (1043.2, 1113.6)
Beddington.DeAngelis
Predicted
Observed
RMSE = 3.7
LL = −539.4 (−557.7, −521.4)
AIC = 1076.7 (1040.7, 1113.3)

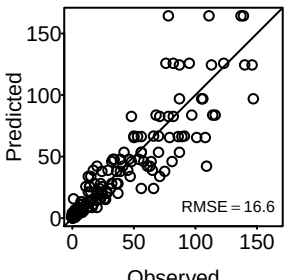
Lang_2012_Pt_20C

Holling.I



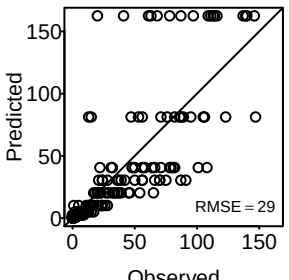
LL = −1689.4 (−1689.4, −1689.4)
AIC = 3376.7 (3376.7, 3376.7)

Holling.II



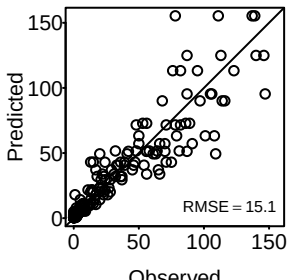
LL = −1011.9 (−1011.9, −1011.9)
AIC = 2021.7 (2021.7, 2021.7)

Ratio



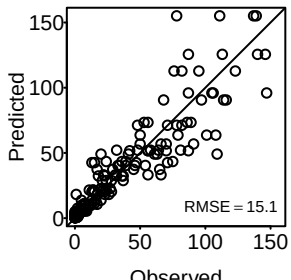
LL = −1918.9 (−1918.9, −1918.9)
AIC = 3835.8 (3835.8, 3835.8)

Arditi.Akcakaya

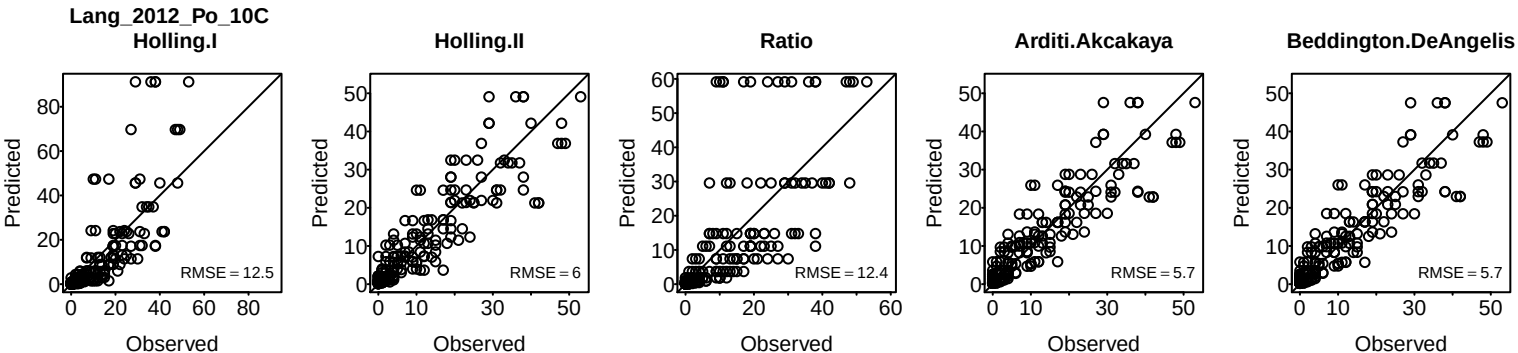


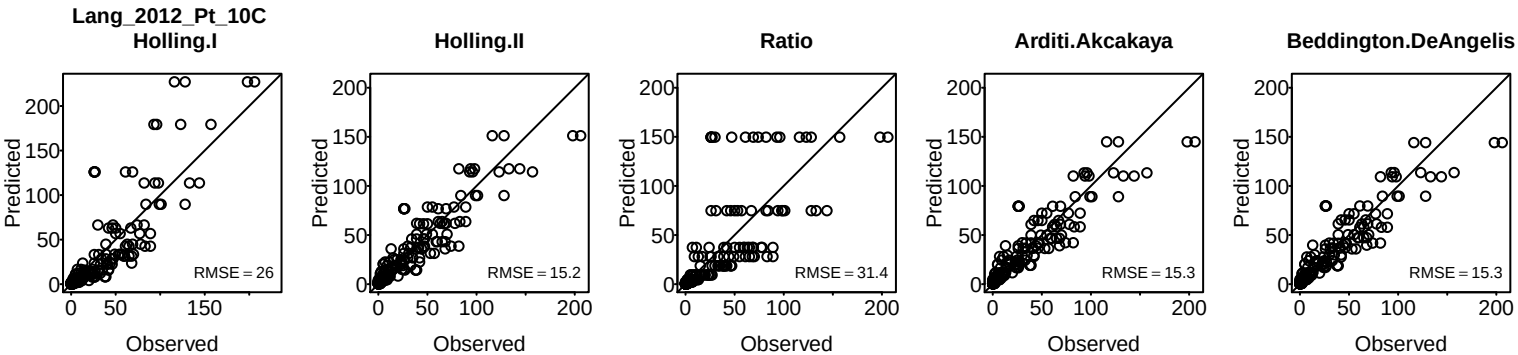
LL = −912.5 (−912.5, −912.5)
AIC = 1823.1 (1823.1, 1823.1)

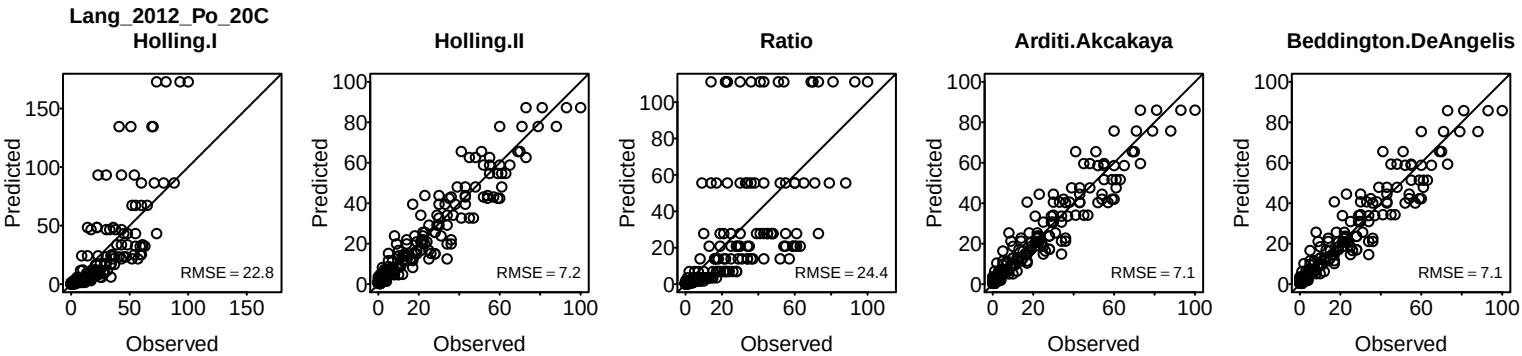
Beddington.DeAngelis



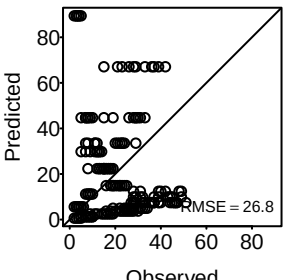
LL = −909.4 (−909.4, −909.4)
AIC = 1816.7 (1816.7, 1816.7)


Lang_2012_Po_10C
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 12.5
RMSE = 6
RMSE = 12.4
RMSE = 5.7
RMSE = 5.7
LL = −949.4 (−949.4, −949.4)
AIC = 1896.8 (1896.8, 1896.8)
LL = −559.7 (−559.7, −559.7)
AIC = 1117.4 (1117.4, 1117.4)
LL = −1033.3 (−1033.3, −1033.3)
AIC = 2064.5 (2064.5, 2064.5)
LL = −534.6 (−534.6, −534.6)
AIC = 1067.2 (1067.2, 1067.2)
LL = −534 (−534, −534)
AIC = 1066 (1066, 1066)


Lang_2012_Pt_10C
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 26
RMSE = 15.2
RMSE = 31.4
RMSE = 15.3
RMSE = 15.3
LL = −1646.2 (−1646.2, −1646.2)
AIC = 3290.4 (3290.4, 3290.4)
LL = −951.9 (−951.9, −951.9)
AIC = 1901.9 (1901.9, 1901.9)
LL = −2092.7 (−2092.7, −2092.7)
AIC = 4183.4 (4183.4, 4183.4)
LL = −914.7 (−914.7, −914.7)
AIC = 1827.5 (1827.5, 1827.5)
LL = −918.7 (−918.7, −918.7)
AIC = 1835.3 (1835.3, 1835.3)

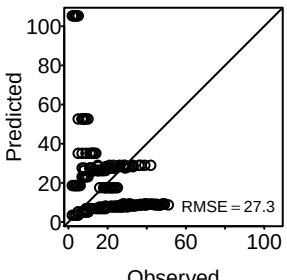

Lang_2012_Po_20C
Holling.I
Predicted
Observed
RMSE = 22.8
LL = −1618.9 (−1618.9, −1618.9)
AIC = 3235.8 (3235.8, 3235.8)
Holling.II
RMSE = 7.2
LL = −592 (−592, −592)
AIC = 1182.1 (1182.1, 1182.1)
Ratio
RMSE = 24.4
LL = −1954.2 (−1954.2, −1954.2)
AIC = 3906.4 (3906.4, 3906.4)
Arditi.Akcakaya
RMSE = 7.1
LL = −578.1 (−578.1, −578.1)
AIC = 1154.2 (1154.2, 1154.2)
Beddington.DeAngelis
RMSE = 7.1
LL = −579.4 (−579.4, −579.4)
AIC = 1156.8 (1156.8, 1156.8)

Mills_2004
Holling.I



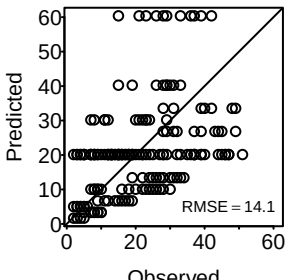
LL = −3256.3 (−3256.3, −3256.3)
AIC = 6510.5 (6510.5, 6510.5)

Holling.II



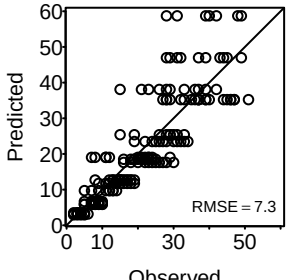
LL = −2861.7 (−2861.7, −2861.7)
AIC = 5721.4 (5721.4, 5721.4)

Ratio



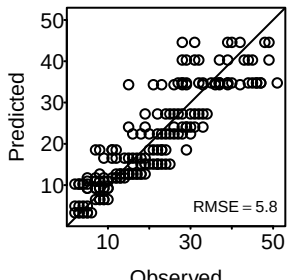
LL = −1159.5 (−1159.5, −1159.5)
AIC = 2317 (2317, 2317)

Arditi.Akcakaya

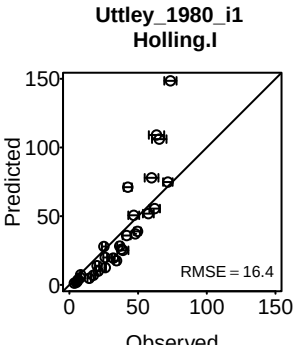


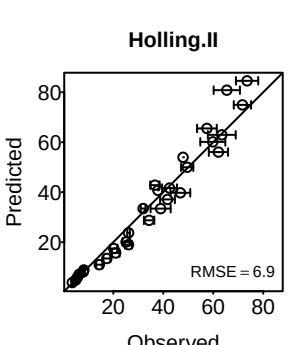
LL = −582.7 (−582.7, −582.7)
AIC = 1163.5 (1163.5, 1163.5)

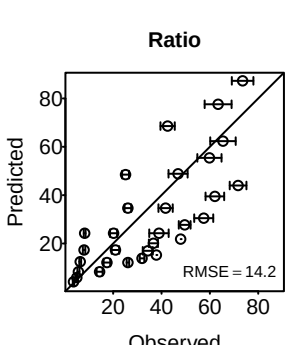
Beddington.DeAngelis

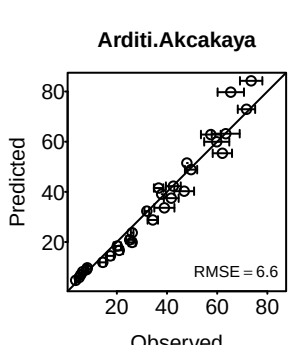


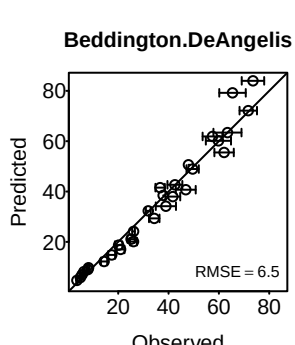
LL = −558.9 (−558.9, −558.9)
AIC = 1115.8 (1115.8, 1115.8)

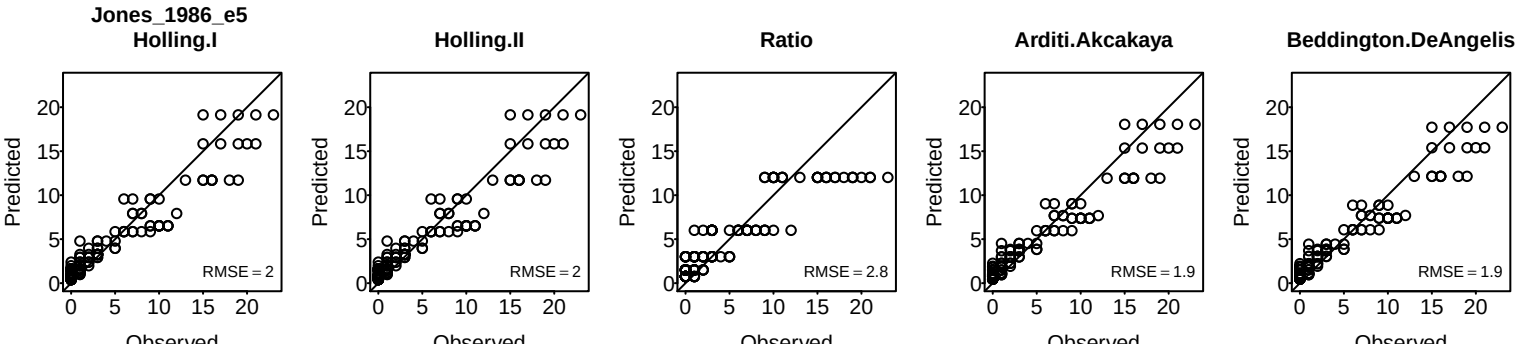

Uttley_1980_i1
Holling.I
Predicted
Observed
RMSE = 16.4
LL = −1234 (−1294, −1181.8)
AIC = 2466.1 (2361.6, 2586)

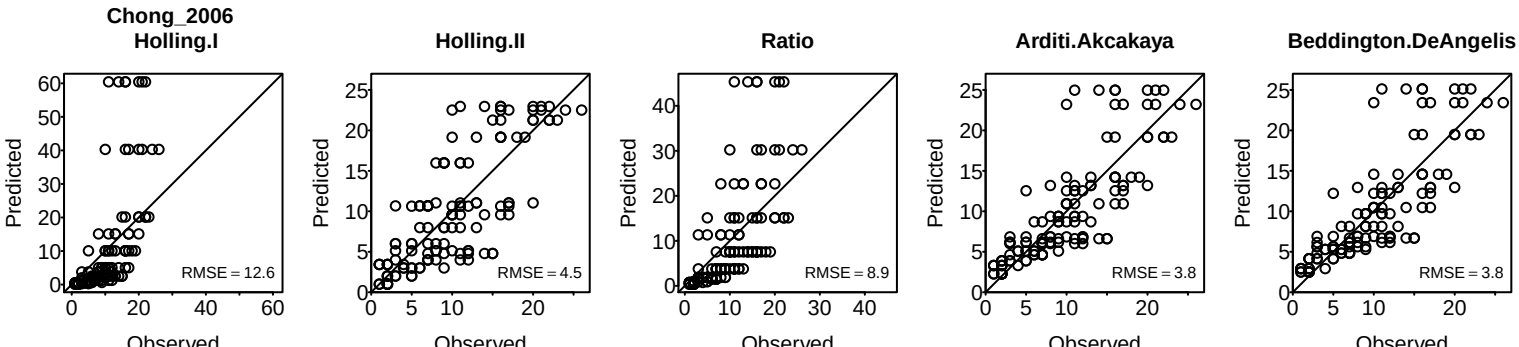

Holling.II
Predicted
Observed
RMSE = 6.9
LL = −582.6 (−608.2, −551.5)
AIC = 1163.2 (1101.1, 1214.5)

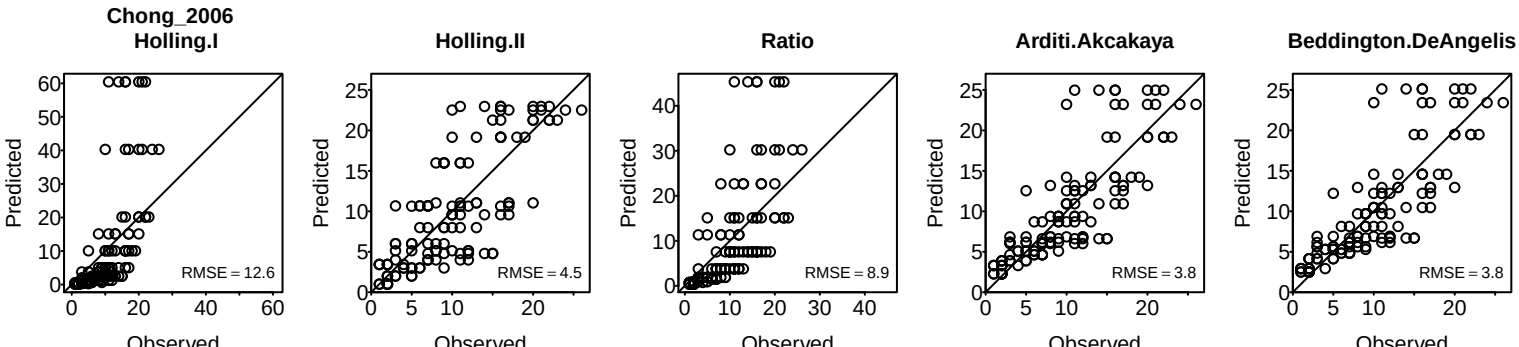

Ratio
Predicted
Observed
RMSE = 14.2
LL = −1361.6 (−1422, −1314.2)
AIC = 2721.2 (2626.3, 2842)

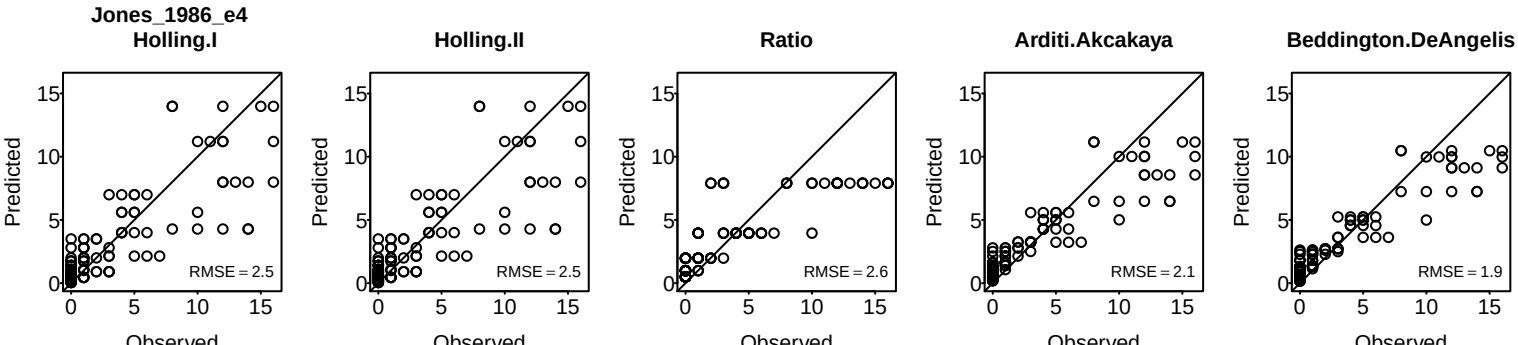

Arditi.Akcakaya
Predicted
Observed
RMSE = 6.6
LL = −563.6 (−589.1, −539.4)
AIC = 1125.3 (1076.8, 1176.2)


Beddington.DeAngelis
Predicted
Observed
RMSE = 6.5
LL = −555 (−578, −531.7)
AIC = 1108 (1061.4, 1154)

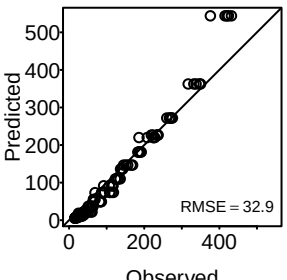

Jones_1986_e5
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 2
RMSE = 2
RMSE = 2.8
RMSE = 1.9
RMSE = 1.9
LL = −244.1 (−244.1, −244.1)
AIC = 486.1 (486.1, 486.1)
LL = −244.1 (−244.1, −244.1)
AIC = 486.1 (486.1, 486.1)
LL = −302.4 (−302.4, −302.4)
AIC = 602.8 (602.8, 602.8)
LL = −241.8 (−241.8, −241.8)
AIC = 481.6 (481.6, 481.6)
LL = −240.9 (−240.9, −240.9)
AIC = 479.7 (479.7, 479.7)


Chong_2006
Holling.I
Predicted
Observed
RMSE = 12.6
LL = −868.2 (−868.2, −868.2)
AIC = 1734.4 (1734.4, 1734.4)
Holling.II
Predicted
Observed
RMSE = 4.5
LL = −380.7 (−380.7, −380.7)
AIC = 759.5 (759.5, 759.5)
Ratio
Predicted
Observed
RMSE = 8.9
LL = −591.8 (−591.8, −591.8)
AIC = 1181.7 (1181.7, 1181.7)
Arditi.Akcakaya
Predicted
Observed
RMSE = 3.8
LL = −325.7 (−325.7, −325.7)
AIC = 649.5 (649.5, 649.5)
Beddington.DeAngelis
Predicted
Observed
RMSE = 3.8
LL = −325.4 (−325.4, −325.4)
AIC = 648.7 (648.7, 648.7)


Chong_2006
Holling.I
Predicted
Observed
RMSE = 12.6
LL = −868.2 (−868.2, −868.2)
AIC = 1734.4 (1734.4, 1734.4)
Holling.II
Predicted
Observed
RMSE = 4.5
LL = −380.7 (−380.7, −380.7)
AIC = 759.5 (759.5, 759.5)
Ratio
Predicted
Observed
RMSE = 8.9
LL = −591.8 (−591.8, −591.8)
AIC = 1181.7 (1181.7, 1181.7)
Arditi.Akcakaya
Predicted
Observed
RMSE = 3.8
LL = −325.7 (−325.7, −325.7)
AIC = 649.5 (649.5, 649.5)
Beddington.DeAngelis
Predicted
Observed
RMSE = 3.8
LL = −325.4 (−325.4, −325.4)
AIC = 648.7 (648.7, 648.7)

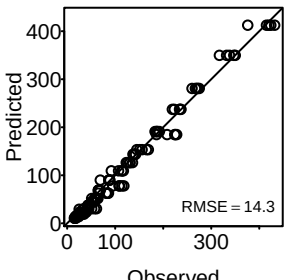

Jones_1986_e4
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 2.5
RMSE = 2.5
RMSE = 2.6
RMSE = 2.1
RMSE = 1.9
LL = −232.6 (−232.6, −232.6)
AIC = 463.1 (463.1, 463.1)
LL = −232.6 (−232.6, −232.6)
AIC = 463.1 (463.1, 463.1)
LL = −237.3 (−237.3, −237.3)
AIC = 472.6 (472.6, 472.6)
LL = −201.9 (−201.9, −201.9)
AIC = 401.8 (401.8, 401.8)
LL = −194.9 (−194.9, −194.9)
AIC = 387.8 (387.8, 387.8)

Mertz_1968
Holling.I



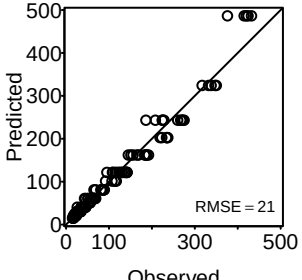
LL = −2430.9 (−2430.9, −2430.9)
AIC = 4859.8 (4859.8, 4859.8)

Holling.II



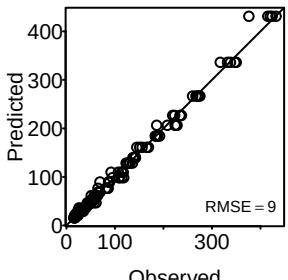
LL = −918.5 (−918.5, −918.5)
AIC = 1835 (1835, 1835)

Ratio



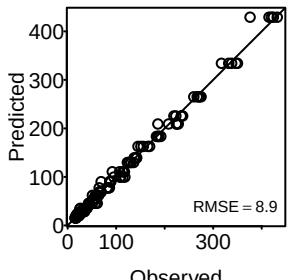
LL = −988.7 (−988.7, −988.7)
AIC = 1975.4 (1975.4, 1975.4)

Arditi.Akcakaya



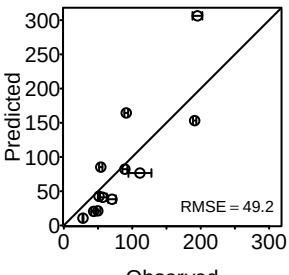
LL = −449.3 (−449.3, −449.3)
AIC = 896.5 (896.5, 896.5)

Beddington.DeAngelis



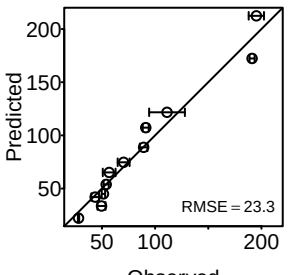
LL = −457.2 (−457.2, −457.2)
AIC = 912.5 (912.5, 912.5)

Kfir_1983
Holling.I



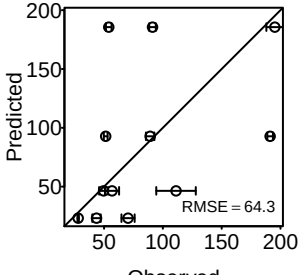
LL = −2126.4 (−2281.2, −1949.9)
AIC = 4250.7 (3897.8, 4560.3)

Holling.II



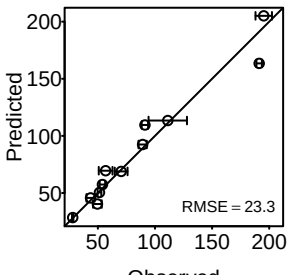
LL = −869.8 (−1013.4, −782.1)
AIC = 1737.6 (1562.1, 2024.7)

Ratio



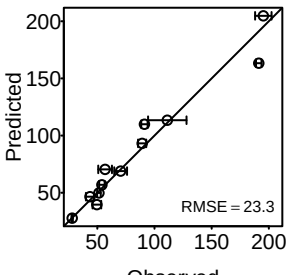
LL = −3399 (−3700.1, −3192.7)
AIC = 6796.1 (6383.3, 7398.2)

Arditi.Akcakaya

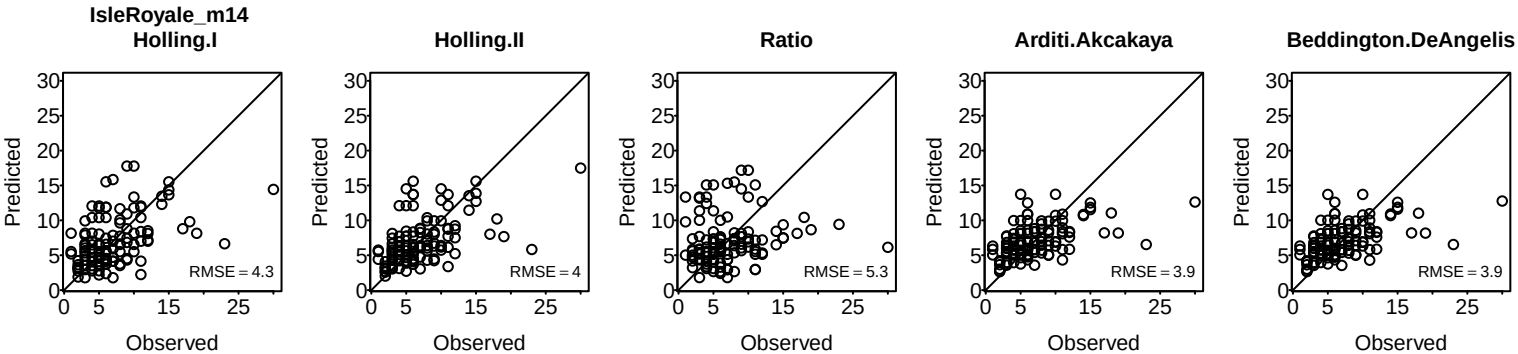


LL = −841 (−970.4, −758.3)
AIC = 1680.1 (1514.7, 1938.8)

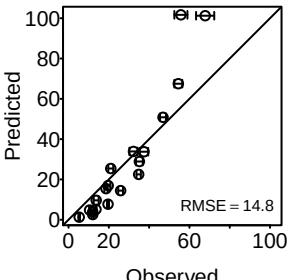
Beddington.DeAngelis



LL = −847.5 (−982.4, −761.6)
AIC = 1693 (1521.2, 1962.8)

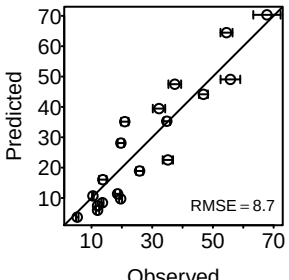

IsleRoyale_m14
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 4.3
RMSE = 4
RMSE = 5.3
RMSE = 3.9
RMSE = 3.9
LL = −350.4 (−350.4, −350.4)
AIC = 698.8 (698.8, 698.8)
LL = −325.1 (−325.1, −325.1)
AIC = 648.2 (648.2, 648.2)
LL = −413.5 (−413.5, −413.5)
AIC = 825 (825, 825)
LL = −317 (−317, −317)
AIC = 632.1 (632.1, 632.1)
LL = −317 (−317, −317)
AIC = 632 (632, 632)

Eveleigh_1982_pa
Holling.I



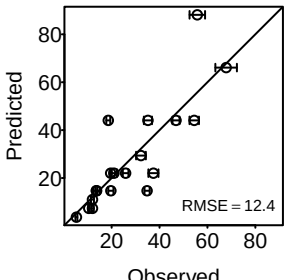
LL = −899.7 (−946.2, −859.8)
AIC = 1797.4 (1717.6, 1890.3)

Holling.II



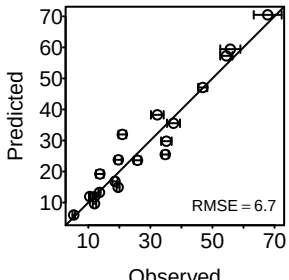
LL = −556.3 (−583.4, −530.9)
AIC = 1110.7 (1059.8, 1164.7)

Ratio



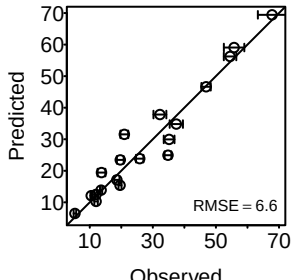
LL = −676.8 (−713.4, −642.8)
AIC = 1351.6 (1283.5, 1424.9)

Arditi.Akcakaya



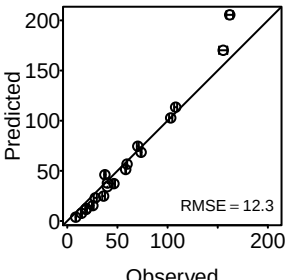
LL = −407.9 (−429.3, −389)
AIC = 813.9 (776, 856.6)

Beddington.DeAngelis



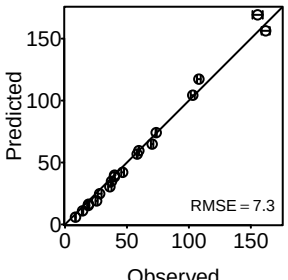
LL = −405.9 (−427.5, −387.4)
AIC = 809.8 (772.9, 852.9)

Eveleigh_1982_aa
Holling.I



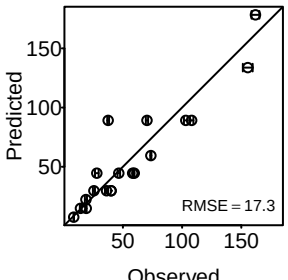
LL = −777.3 (−820.6, −735.5)
AIC = 1552.7 (1469.1, 1639.2)

Holling.II



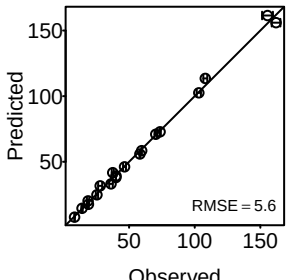
LL = −433.3 (−468.8, −407)
AIC = 864.5 (812, 935.7)

Ratio



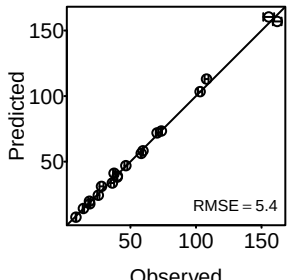
LL = −1148.8 (−1198.1, −1110.3)
AIC = 2295.5 (2218.6, 2394.2)

Arditi.Akcakaya

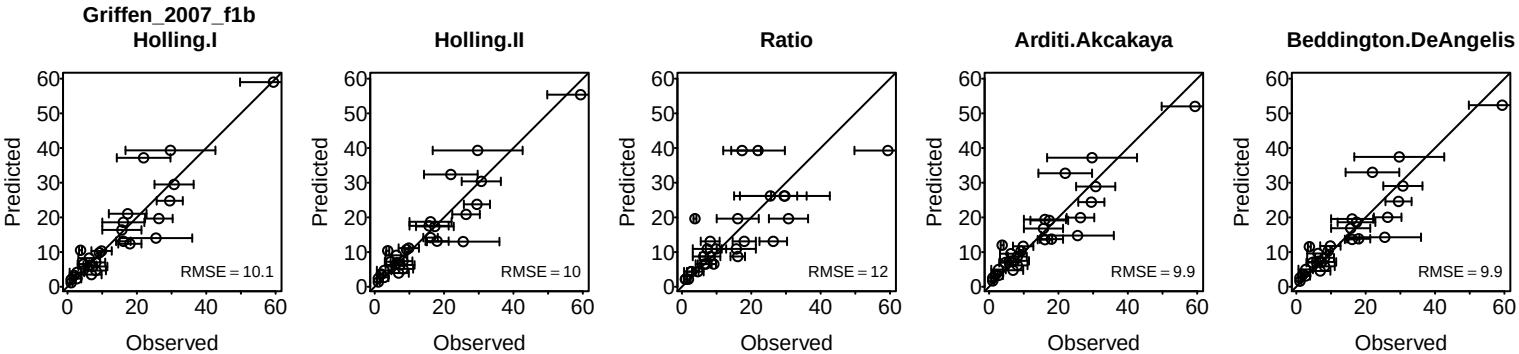


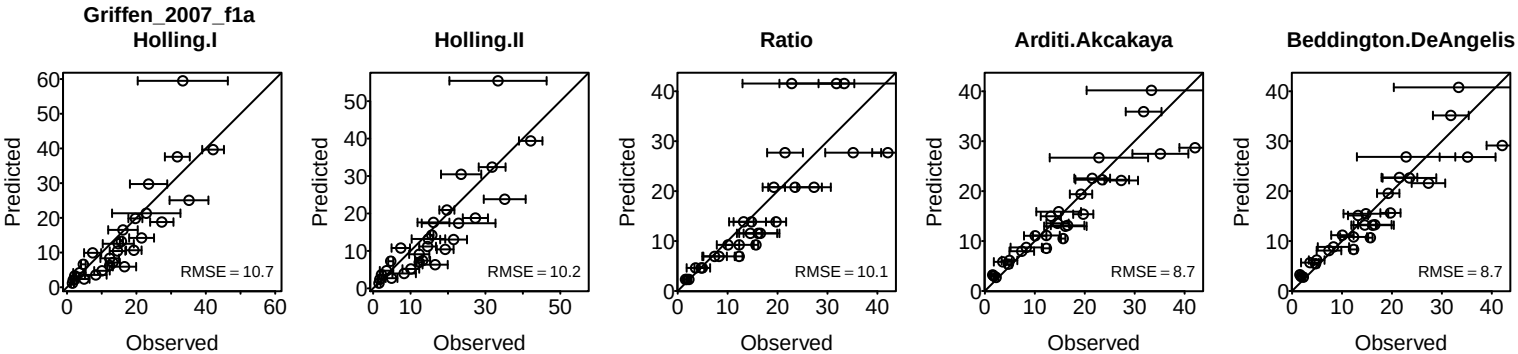
LL = −321.7 (−339.9, −303.1)
AIC = 641.5 (604.2, 677.8)

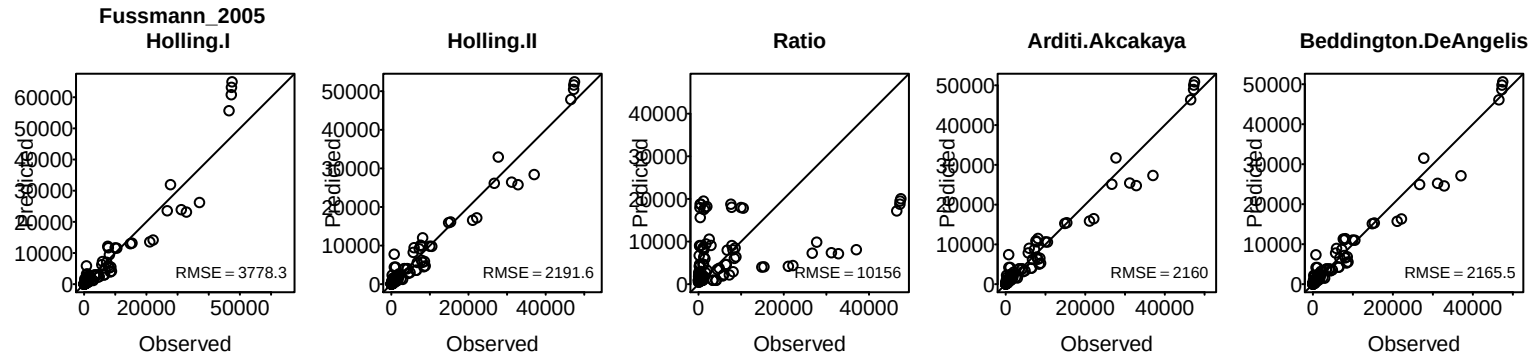
Beddington.DeAngelis



LL = −313 (−330.8, −295.5)
AIC = 623.9 (589, 659.7)


Griffen_2007_f1b
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 10.1
RMSE = 10
RMSE = 12
RMSE = 9.9
RMSE = 9.9
LL = −777.5 (−863.4, −699.3)
AIC = 1553 (1396.7, 1724.7)
LL = −765.5 (−856.4, −683)
AIC = 1529.1 (1364, 1710.8)
LL = −930.8 (−1026.2, −850.1)
AIC = 1859.5 (1698.2, 2050.3)
LL = −751.6 (−838.6, −677.8)
AIC = 1501.3 (1353.7, 1675.2)
LL = −754.3 (−842.3, −677.9)
AIC = 1506.5 (1353.9, 1682.6)


Griffen_2007_f1a
Holling.I
Predicted
Observed
RMSE = 10.7
LL = −778.2 (−854.8, −700.9)
AIC = 1554.4 (1399.8, 1707.6)
Holling.II
RMSE = 10.2
LL = −756.2 (−838.5, −682.7)
AIC = 1510.4 (1363.4, 1675)
Ratio
RMSE = 10.1
LL = −689.9 (−763.4, −625.1)
AIC = 1377.8 (1248.2, 1524.9)
Arditi.Akcakaya
RMSE = 8.7
LL = −603.3 (−665.8, −553.5)
AIC = 1204.7 (1104.9, 1329.7)
Beddington.DeAngelis
RMSE = 8.7
LL = −604.4 (−667.3, −553.8)
AIC = 1206.8 (1105.6, 1332.6)



LL = −41936.1 (−41936.1, −41936.1)
AIC = 83870.2 (83870.2, 83870.2)

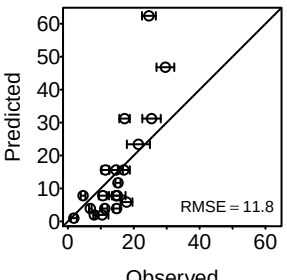
LL = −30418.8 (−30418.8, −30418.8)
AIC = 60835.7 (60835.7, 60835.7)

LL = −469882.6 (−469882.6, −469882.6)
AIC = 939763.2 (939763.2, 939763.2)

LL = −28605.8 (−28605.8, −28605.8)
AIC = 57209.7 (57209.7, 57209.7)

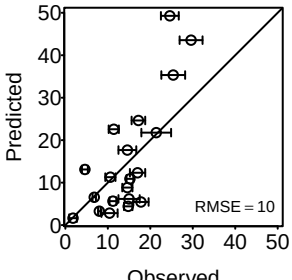
LL = −28190.9 (−28190.9, −28190.9
AIC = 56379.8 (56379.8, 56379.8)

Hassan_1976_Pp
Holling.I



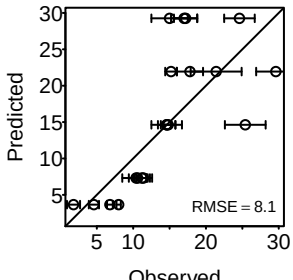
LL = −647.4 (−686.7, −600)
AIC = 1292.8 (1197.9, 1371.4)

Holling.II



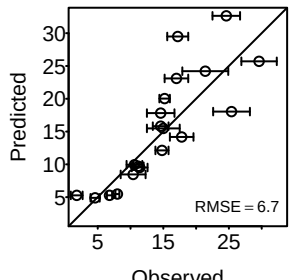
LL = −583.8 (−626.3, −541.4)
AIC = 1165.5 (1080.9, 1250.5)

Ratio



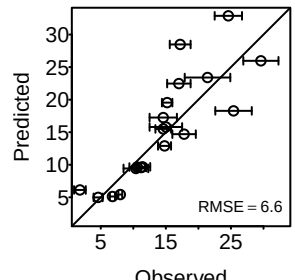
LL = −425.1 (−451.8, −398.7)
AIC = 848.2 (795.5, 901.7)

Arditi.Akcakaya



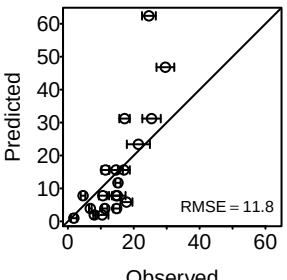
LL = −360.4 (−379, −339.6)
AIC = 718.9 (677.1, 756)

Beddington.DeAngelis



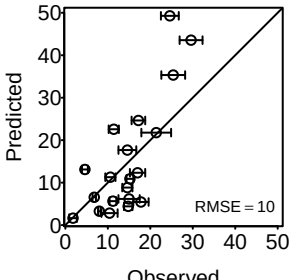
LL = −357.5 (−378.2, −338.4)
AIC = 712.9 (674.9, 754.3)

Hassan_1976_Pp
Holling.I



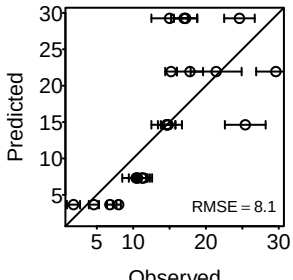
LL = −647.4 (−686.7, −600)
AIC = 1292.8 (1197.9, 1371.4)

Holling.II



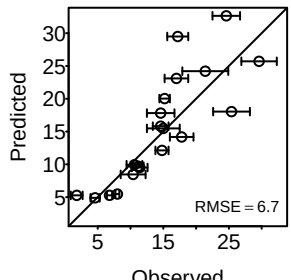
LL = −583.8 (−626.3, −541.4)
AIC = 1165.5 (1080.9, 1250.5)

Ratio



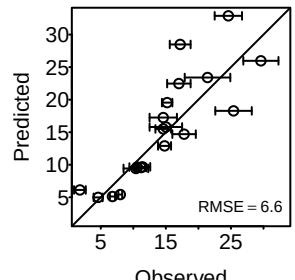
LL = −425.1 (−451.8, −398.7)
AIC = 848.2 (795.5, 901.7)

Arditi.Akcakaya

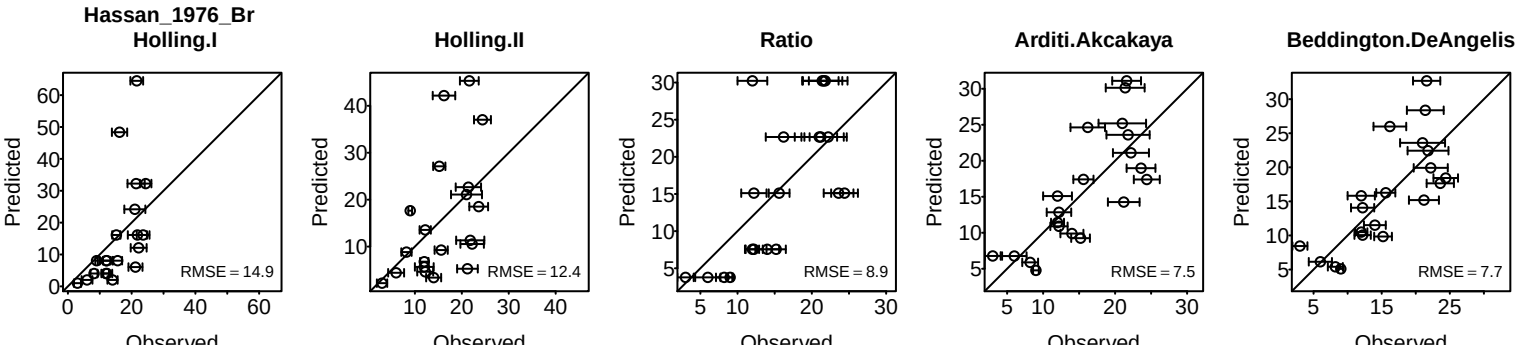


LL = −360.4 (−379, −339.6)
AIC = 718.9 (677.1, 756)

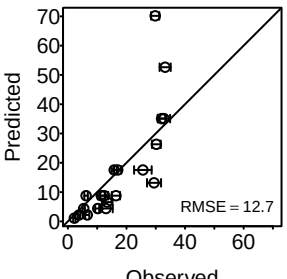
Beddington.DeAngelis



LL = −357.5 (−378.2, −338.4)
AIC = 712.9 (674.9, 754.3)

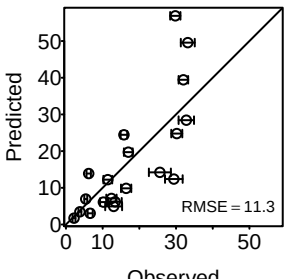

Hassan_1976_Br
Holling.I
Predicted
Observed
RMSE = 14.9
LL = −779.2 (−834.4, −728)
AIC = 1556.4 (1454, 1666.9)
Holling.II
Predicted
Observed
RMSE = 12.4
LL = −676.1 (−722, −628.5)
AIC = 1350.2 (1255, 1442)
Ratio
Predicted
Observed
RMSE = 8.9
LL = −479.6 (−508.7, −449.6)
AIC = 957.2 (897.2, 1015.4)
Arditi.Akcakaya
Predicted
Observed
RMSE = 7.5
LL = −397.2 (−423.4, −377.7)
AIC = 792.3 (753.3, 844.7)
Beddington.DeAngelis
Predicted
Observed
RMSE = 7.7
LL = −401.2 (−422.9, −380.5)
AIC = 800.3 (758.9, 843.9)

Hassan_1976_Ag Holling.I



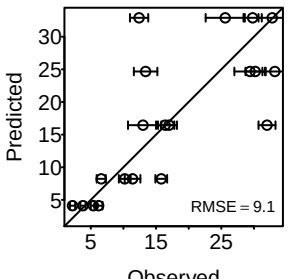
LL = −535.3 (−577.1, −504.6)
AIC = 1068.7 (1007.3, 1152.3)

Holling.II



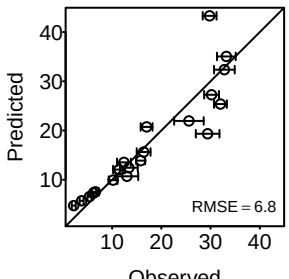
LL = −510.9 (−551.4, −479.8)
AIC = 1019.8 (957.7, 1100.8)

Ratio



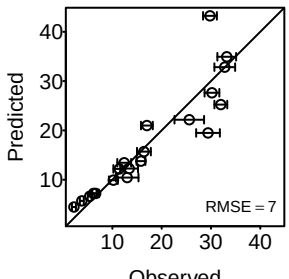
LL = −432 (−454.7, −408.8)
AIC = 862 (815.7, 907.4)

Arditi.Akcakaya

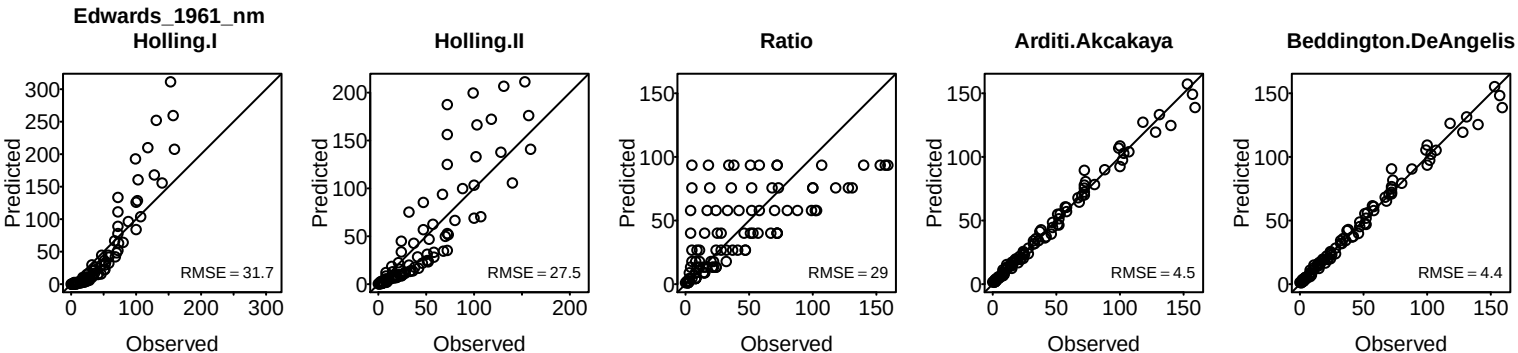


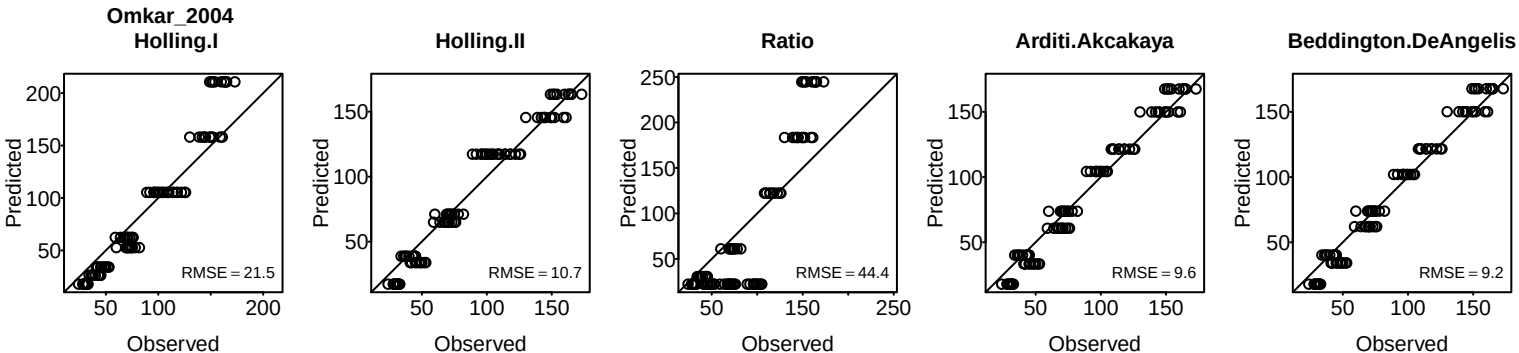
LL = −336.6 (−353.9, −322.3)
AIC = 671.1 (642.7, 705.8)

Beddington.DeAngelis

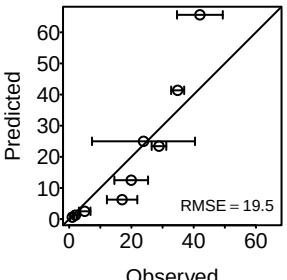


LL = −343.8 (−362, −324.8)
AIC = 685.5 (647.5, 722.1)


Edwards_1961_nm
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 31.7
RMSE = 27.5
RMSE = 29
RMSE = 4.5
RMSE = 4.4
LL = −1050.1 (−1050.1, −1050.1)
AIC = 2098.2 (2098.2, 2098.2)
LL = −784.6 (−784.6, −784.6)
AIC = 1567.2 (1567.2, 1567.2)
LL = −962.1 (−962.1, −962.1)
AIC = 1922.1 (1922.1, 1922.1)
LL = −253.4 (−253.4, −253.4)
AIC = 504.7 (504.7, 504.7)
LL = −252.3 (−252.3, −252.3)
AIC = 502.6 (502.6, 502.6)

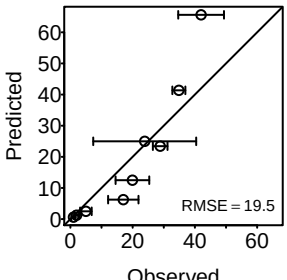

Omkar_2004
Holling.I
Predicted
Observed
RMSE = 21.5
LL = −678.8 (−678.8, −678.8)
AIC = 1355.6 (1355.6, 1355.6)
Holling.II
RMSE = 10.7
LL = −395.1 (−395.1, −395.1)
AIC = 788.2 (788.2, 788.2)
Ratio
RMSE = 44.4
LL = −2220.8 (−2220.8, −2220.8)
AIC = 4439.7 (4439.7, 4439.7)
Arditi.Akcakaya
RMSE = 9.6
LL = −368.5 (−368.5, −368.5)
AIC = 735 (735, 735)
Beddington.DeAngelis
RMSE = 9.2
LL = −360.5 (−360.5, −360.5)
AIC = 719.1 (719.1, 719.1)

Kumar_1985_sm
Holling.I



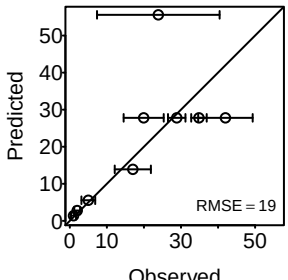
LL = −1097.2 (−1287, −948.8)
AIC = 2192.5 (1895.6, 2572)

Holling.II



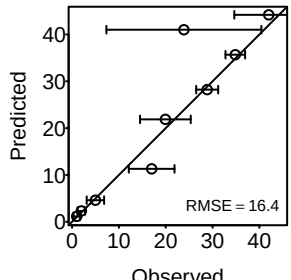
LL = −1092.4 (−1280.6, −947.3)
AIC = 2182.9 (1892.6, 2559.1)

Ratio



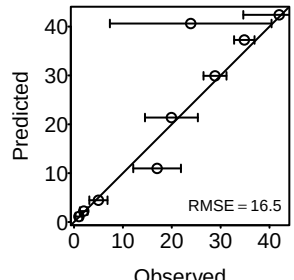
LL = −967.4 (−1090, −849.4)
AIC = 1932.9 (1696.7, 2178.1)

Arditi.Akcakaya



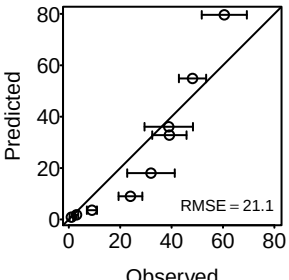
LL = −803 (−936.8, −702.3)
AIC = 1604.1 (1402.7, 1871.6)

Beddington.DeAngelis



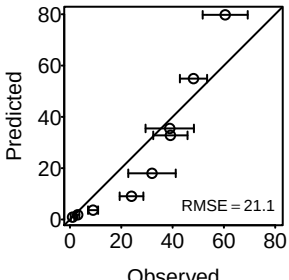
LL = −808.2 (−939.6, −705.9)
AIC = 1614.3 (1409.7, 1877.1)

Kumar_1985_dl Holling.I



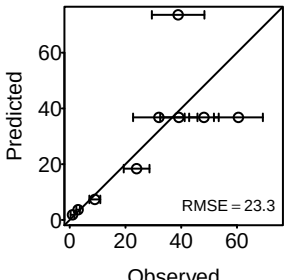
LL = −1324.8 (−1511.2, −1143.5)
AIC = 2647.6 (2284.9, 3020.3)

Holling.II



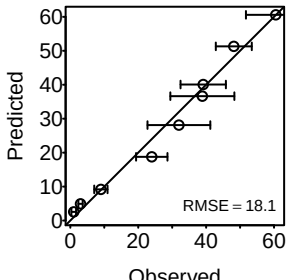
LL = −1324.5 (−1511.2, −1136.9)
AIC = 2646.9 (2271.7, 3020.3)

Ratio



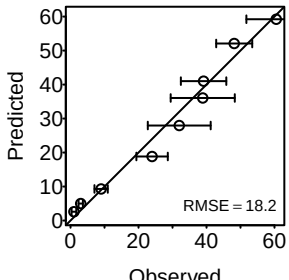
LL = −1230.4 (−1424.6, −1103.5)
AIC = 2458.9 (2204.9, 2847.2)

Arditi.Akcakaya



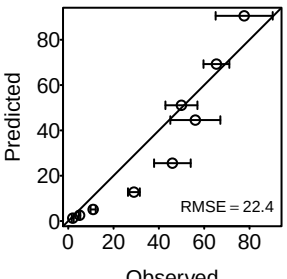
LL = −961 (−1081, −853.8)
AIC = 1919.9 (1705.5, 2159.9)

Beddington.DeAngelis



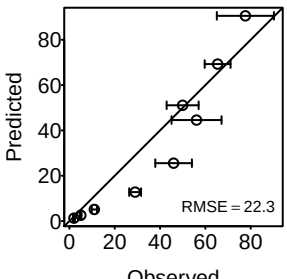
LL = −967.6 (−1088.9, −857.4)
AIC = 1933.1 (1712.8, 2175.9)

Kumar_1985_cc Holling.I



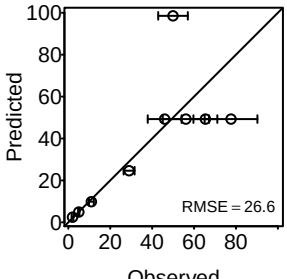
LL = −1457.9 (−1709.5, −1219)
AIC = 2913.8 (2436, 3417.1)

Holling.II



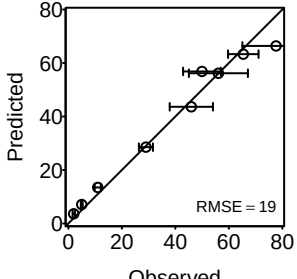
LL = −1457.9 (−1708.9, −1218.2)
AIC = 2913.8 (2434.4, 3415.9)

Ratio



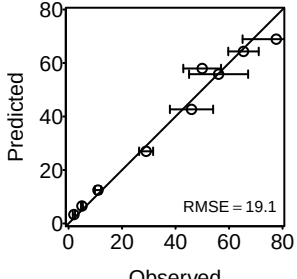
LL = −1413.8 (−1589.5, −1272.3)
AIC = 2825.6 (2542.5, 3177)

Arditi.Akcakaya

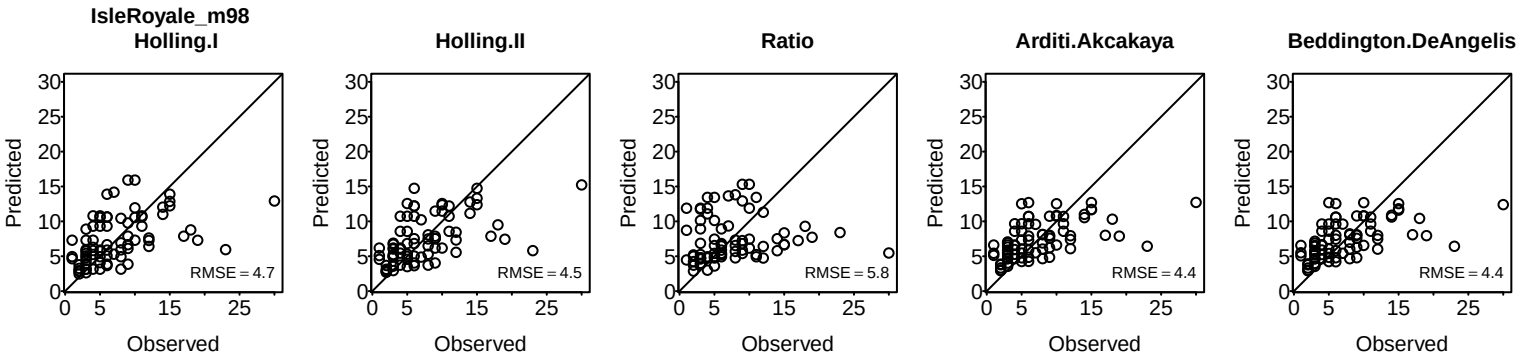


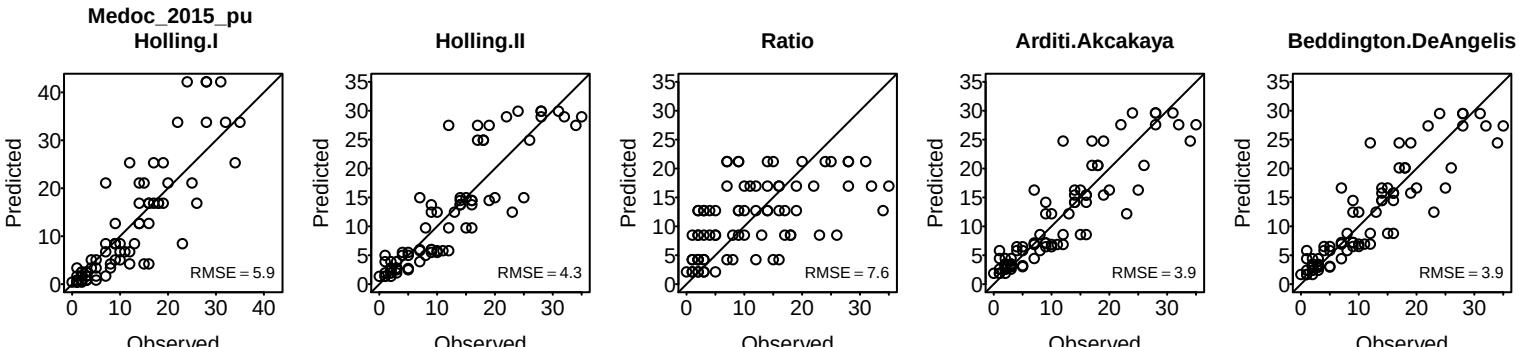
LL = −1010.3 (−1140.5, −890)
AIC = 2018.5 (1778.1, 2279.1)

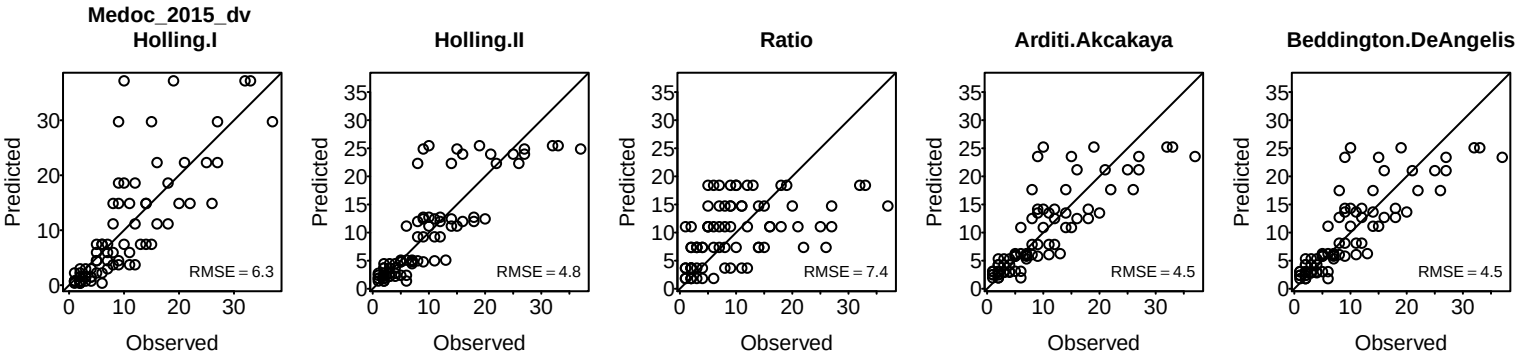
Beddington.DeAngelis

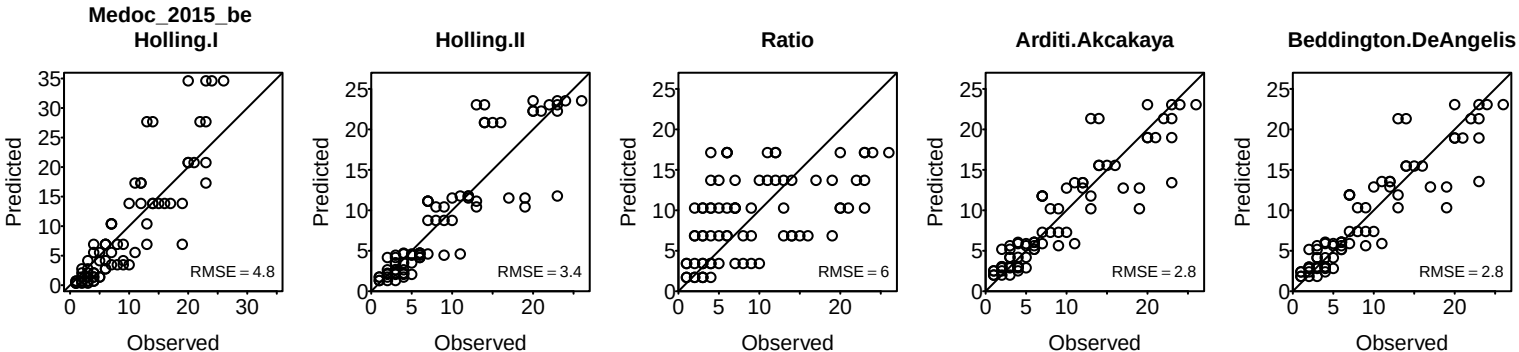


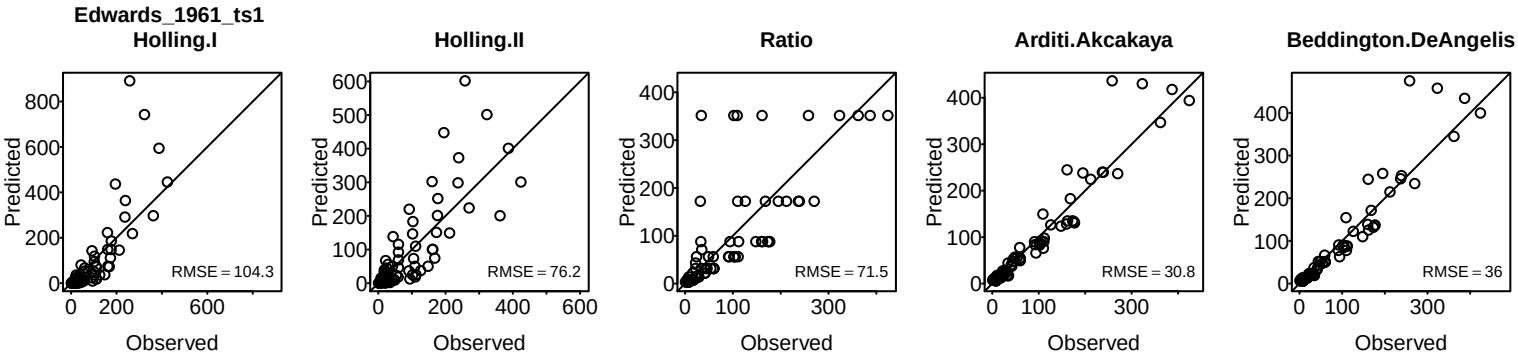
LL = −1013.7 (−1147.1, −891.8)
AIC = 2025.4 (1781.6, 2292.1)

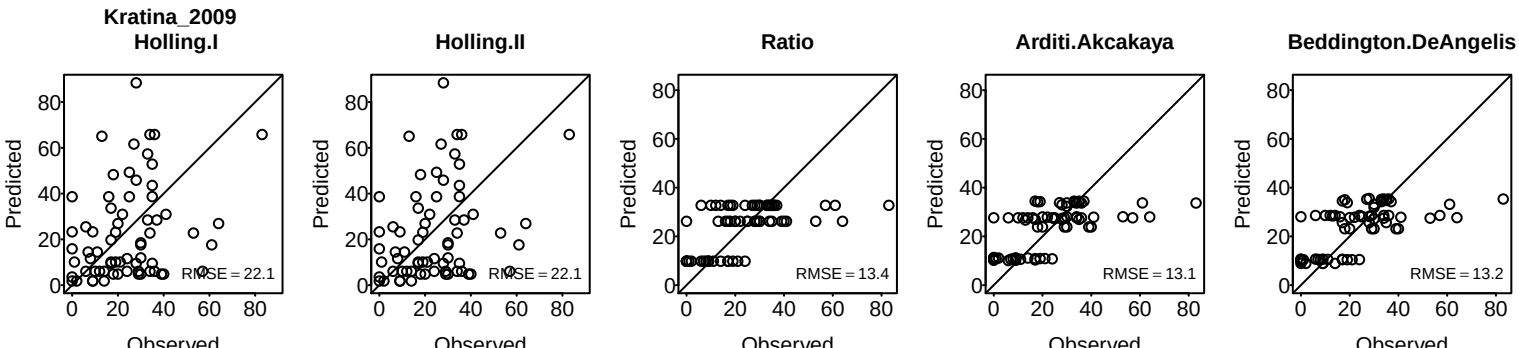

IsleRoyale_m98
Holling.I
Predicted
Observed
RMSE = 4.7
LL = −232.8 (−232.8, −232.8)
AIC = 463.7 (463.7, 463.7)
Holling.II
Predicted
Observed
RMSE = 4.5
LL = −225.2 (−225.2, −225.2)
AIC = 448.5 (448.5, 448.5)
Ratio
Predicted
Observed
RMSE = 5.8
LL = −285.8 (−285.8, −285.8)
AIC = 569.5 (569.5, 569.5)
Arditi.Akcakaya
Predicted
Observed
RMSE = 4.4
LL = −221.9 (−221.9, −221.9)
AIC = 441.7 (441.7, 441.7)
Beddington.DeAngelis
Predicted
Observed
RMSE = 4.4
LL = −222.2 (−222.2, −222.2)
AIC = 442.3 (442.3, 442.3)


Medoc_2015_pu
Holling.I
Predicted
Observed
RMSE = 5.9
LL = −248.5 (−248.5, −248.5)
AIC = 494.9 (494.9, 494.9)
Holling.II
Predicted
Observed
RMSE = 4.3
LL = −199.2 (−199.2, −199.2)
AIC = 396.3 (396.3, 396.3)
Ratio
Predicted
Observed
RMSE = 7.6
LL = −333.6 (−333.6, −333.6)
AIC = 665.2 (665.2, 665.2)
Arditi.Akcakaya
Predicted
Observed
RMSE = 3.9
LL = −194.4 (−194.4, −194.4)
AIC = 386.8 (386.8, 386.8)
Beddington.DeAngelis
Predicted
Observed
RMSE = 3.9
LL = −192.9 (−192.9, −192.9)
AIC = 383.8 (383.8, 383.8)

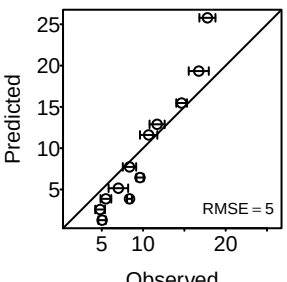

Medoc_2015_dv
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 6.3
RMSE = 4.8
RMSE = 7.4
RMSE = 4.5
RMSE = 4.5
LL = −261.8 (−261.8, −261.8)
AIC = 521.6 (521.6, 521.6)
LL = −208.2 (−208.2, −208.2)
AIC = 414.4 (414.4, 414.4)
LL = −321.8 (−321.8, −321.8)
AIC = 641.7 (641.7, 641.7)
LL = −201.4 (−201.4, −201.4)
AIC = 400.8 (400.8, 400.8)
LL = −201.3 (−201.3, −201.3)
AIC = 400.5 (400.5, 400.5)


Medoc_2015_be
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 4.8
RMSE = 3.4
RMSE = 6
RMSE = 2.8
RMSE = 2.8
LL = −232.3 (−232.3, −232.3)
AIC = 462.6 (462.6, 462.6)
LL = −181.7 (−181.7, −181.7)
AIC = 361.5 (361.5, 361.5)
LL = −278.8 (−278.8, −278.8)
AIC = 555.6 (555.6, 555.6)
LL = −171.9 (−171.9, −171.9)
AIC = 341.8 (341.8, 341.8)
LL = −171.7 (−171.7, −171.7)
AIC = 341.3 (341.3, 341.3)


Edwards_1961_ts1
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 104.3
RMSE = 76.2
RMSE = 71.5
RMSE = 30.8
RMSE = 36
LL = −2558.2 (−2558.2, −2558.2)
AIC = 5114.4 (5114.4, 5114.4)
LL = −2098.7 (−2098.7, −2098.7)
AIC = 4195.4 (4195.4, 4195.4)
LL = −1382.9 (−1382.9, −1382.9)
AIC = 2763.8 (2763.8, 2763.8)
LL = −407 (−407, −407)
AIC = 811.9 (811.9, 811.9)
LL = −430 (−430, −430)
AIC = 858 (858, 858)

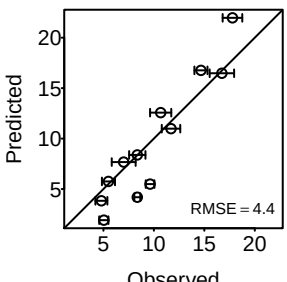

Kratina_2009
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 22.1
RMSE = 22.1
RMSE = 13.4
RMSE = 13.1
RMSE = 13.2
LL = −1063.4 (−1063.4, −1063.4)
AIC = 2124.8 (2124.8, 2124.8)
LL = −1063.4 (−1063.4, −1063.4)
AIC = 2124.8 (2124.8, 2124.8)
LL = −449.1 (−449.1, −449.1)
AIC = 896.2 (896.2, 896.2)
LL = −441.3 (−441.3, −441.3)
AIC = 880.6 (880.6, 880.6)
LL = −441.8 (−441.8, −441.8)
AIC = 881.7 (881.7, 881.7)

Walde_1984
Holling.I



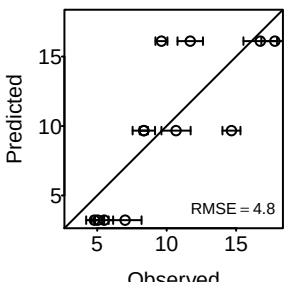
LL = −201.9 (−218.1, −190.8)
AIC = 401.7 (379.5, 434.1)

Holling.II



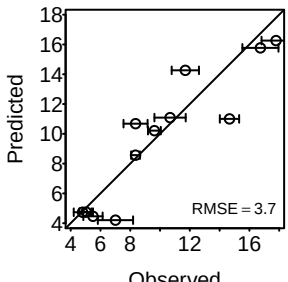
LL = −185.1 (−198.4, −174.9)
AIC = 368.2 (347.8, 394.9)

Ratio



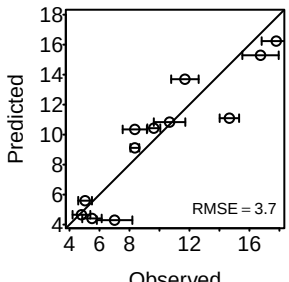
LL = −192 (−204, −180.6)
AIC = 382 (359.2, 406)

Arditi.Akcakaya



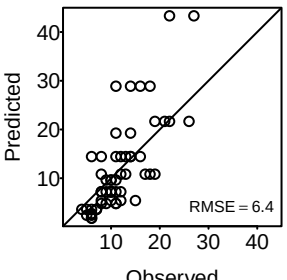
LL = −163 (−171.1, −155.7)
AIC = 323.9 (309.4, 340.2)

Beddington.DeAngelis



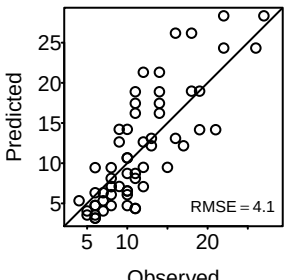
LL = −162 (−169.8, −155.1)
AIC = 322.1 (308.1, 337.5)

Pusack_2018
Holling.I



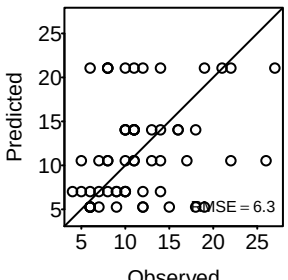
LL = −210.4 (−210.4, −210.4)
AIC = 418.9 (418.9, 418.9)

Holling.II



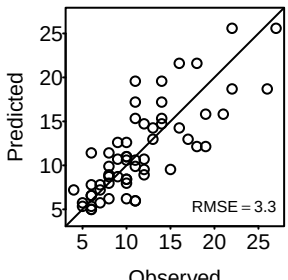
LL = −169.2 (−169.2, −169.2)
AIC = 336.4 (336.4, 336.4)

Ratio



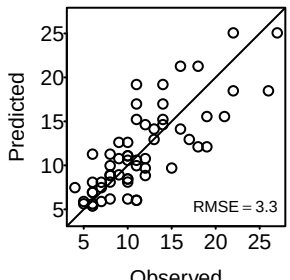
LL = −225 (−225, −225)
AIC = 447.9 (447.9, 447.9)

Arditi.Akcakaya



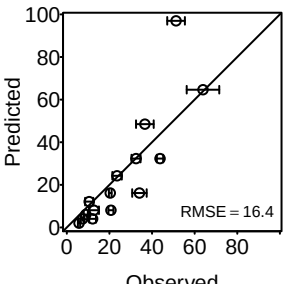
LL = −152.2 (−152.2, −152.2)
AIC = 302.5 (302.5, 302.5)

Beddington.DeAngelis



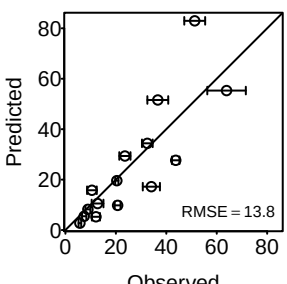
LL = −151.8 (−151.8, −151.8)
AIC = 301.6 (301.6, 301.6)

Crowley_1989 Holling.I



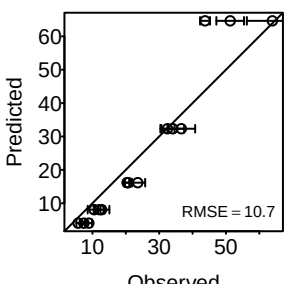
LL = −369.9 (−396.5, −340.2)
AIC = 737.9 (678.3, 791)

Holling.II



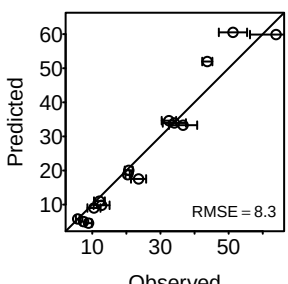
LL = −324.5 (−351.5, −301.2)
AIC = 647.1 (600.5, 701)

Ratio



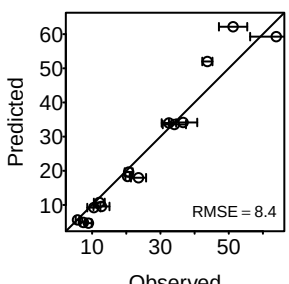
LL = −258.1 (−274.2, −240.9)
AIC = 514.2 (479.8, 546.5)

Arditi.Akcakaya

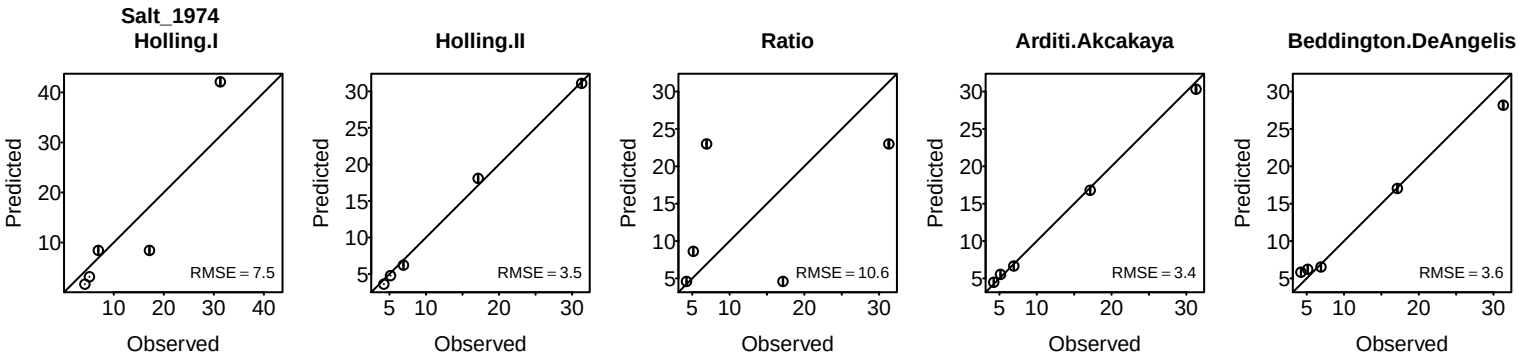


LL = −214.2 (−227.5, −202.1)
AIC = 426.3 (402.3, 452.9)

Beddington.DeAngelis



LL = −214.3 (−227.9, −203.3)
AIC = 426.6 (404.6, 453.9)



LL = −195.6 (−209, −182.8)
AIC = 389.1 (363.6, 416.1)

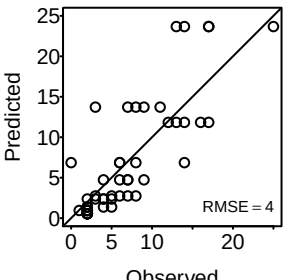
LL = −126.5 (−132, −121.9)
AIC = 250.9 (241.7, 262)

LL = −327 (−349.9, −304.5)
AIC = 652 (606.9, 697.9)

LL = −125.2 (−130.2, −121)
AIC = 248.4 (240.1, 258.4)

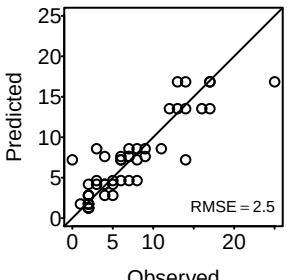
LL = −128 (−133.2, −123.6)
AIC = 254.1 (245.2, 264.4)

Long_2012
Holling.I



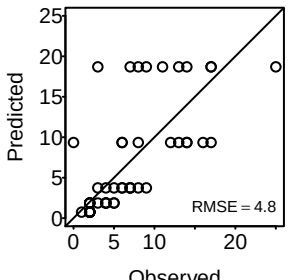
LL = −155.5 (−155.5, −155.5)
AIC = 309.1 (309.1, 309.1)

Holling.II



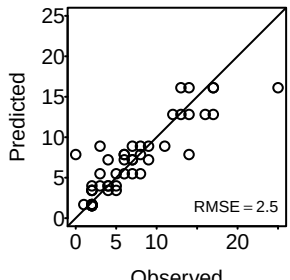
LL = −103.2 (−103.2, −103.2)
AIC = 204.4 (204.4, 204.4)

Ratio



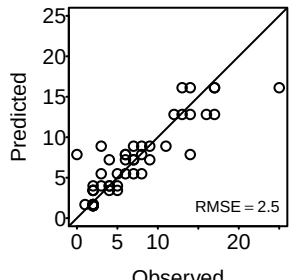
LL = −175.4 (−175.4, −175.4)
AIC = 348.7 (348.7, 348.7)

Arditi.Akcakaya



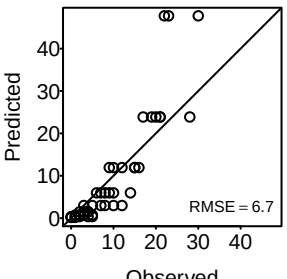
LL = −100.5 (−100.5, −100.5)
AIC = 199 (199, 199)

Beddington.DeAngelis



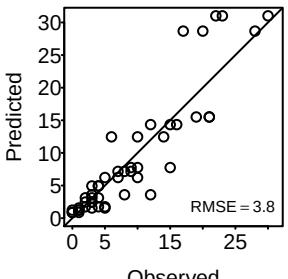
LL = −100.5 (−100.5, −100.5)
AIC = 199 (199, 199)

Medoc_2013
Holling.I



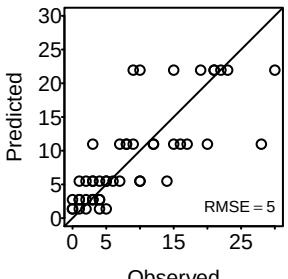
LL = −169.1 (−169.1, −169.1)
AIC = 336.1 (336.1, 336.1)

Holling.II



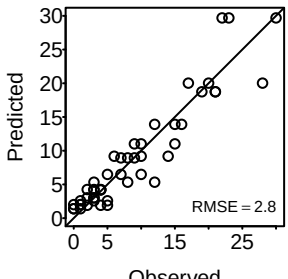
LL = −118.8 (−118.8, −118.8)
AIC = 235.6 (235.6, 235.6)

Ratio



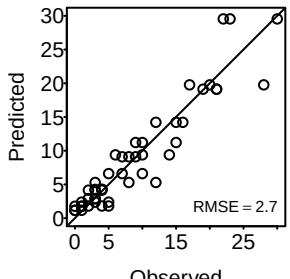
LL = −143.3 (−143.3, −143.3)
AIC = 284.6 (284.6, 284.6)

Arditi.Akcakaya

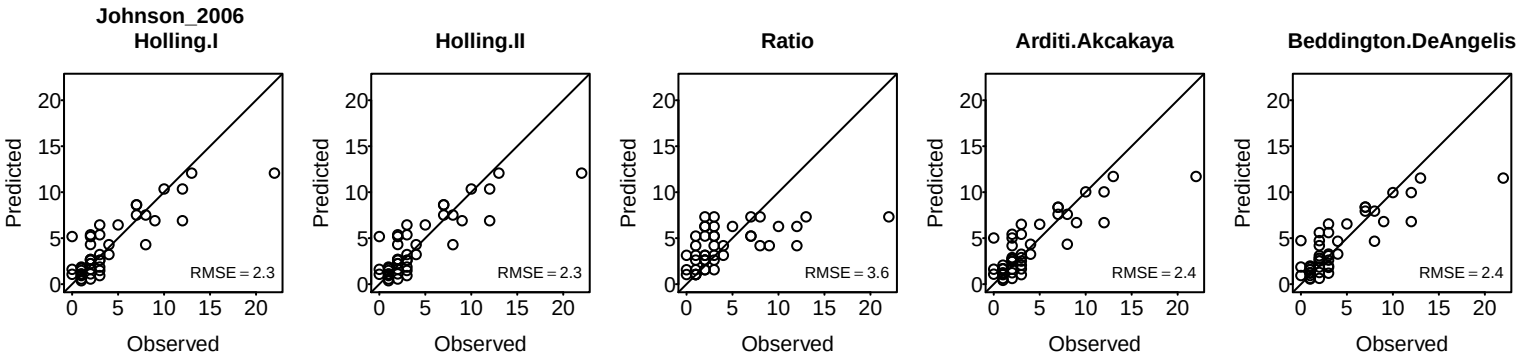


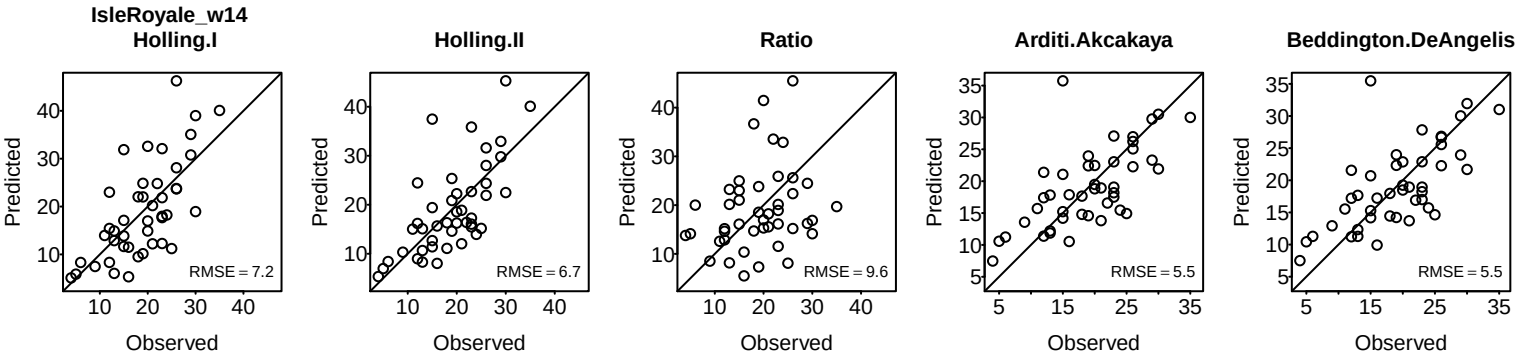
LL = −107.5 (−107.5, −107.5)
AIC = 213 (213, 213)

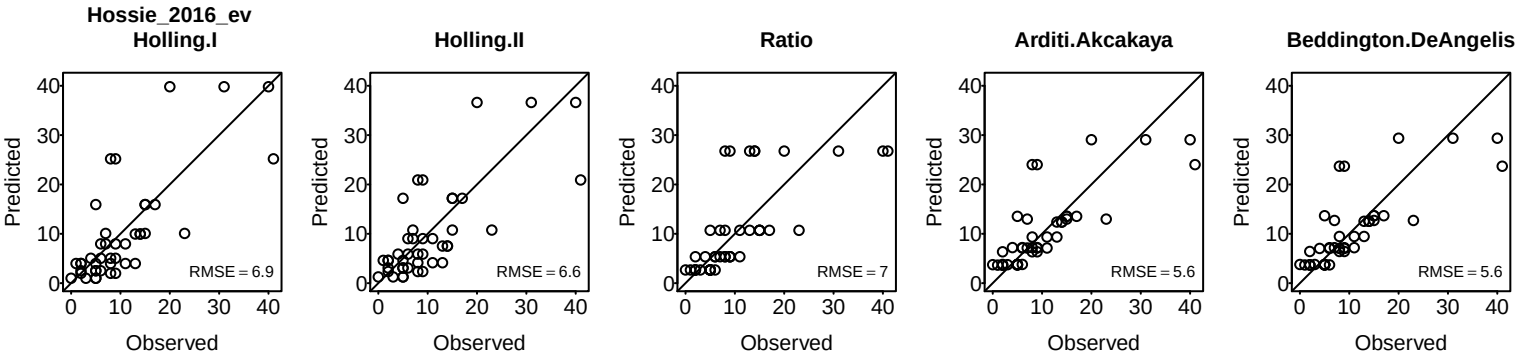
Beddington.DeAngelis



LL = −106.8 (−106.8, −106.8)
AIC = 211.5 (211.5, 211.5)


Johnson_2006
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 2.3
RMSE = 2.3
RMSE = 3.6
RMSE = 2.4
RMSE = 2.4
LL = −89.6 (−89.6, −89.6)
AIC = 177.3 (177.3, 177.3)
LL = −89.6 (−89.6, −89.6)
AIC = 177.3 (177.3, 177.3)
LL = −115.5 (−115.5, −115.5)
AIC = 229.1 (229.1, 229.1)
LL = −89.5 (−89.5, −89.5)
AIC = 176.9 (176.9, 176.9)
LL = −88.6 (−88.6, −88.6)
AIC = 175.2 (175.2, 175.2)


IsleRoyale_w14
Holling.I
Predicted
Observed
RMSE = 7.2
LL = −164.1 (−164.1, −164.1)
AIC = 326.1 (326.1, 326.1)
Holling.II
Predicted
Observed
RMSE = 6.7
LL = −150.2 (−150.2, −150.2)
AIC = 298.4 (298.4, 298.4)
Ratio
Predicted
Observed
RMSE = 9.6
LL = −210 (−210, −210)
AIC = 417.9 (417.9, 417.9)
Arditi.Akcakaya
Predicted
Observed
RMSE = 5.5
LL = −137.9 (−137.9, −137.9)
AIC = 273.8 (273.8, 273.8)
Beddington.DeAngelis
Predicted
Observed
RMSE = 5.5
LL = −138.1 (−138.1, −138.1)
AIC = 274.2 (274.2, 274.2)



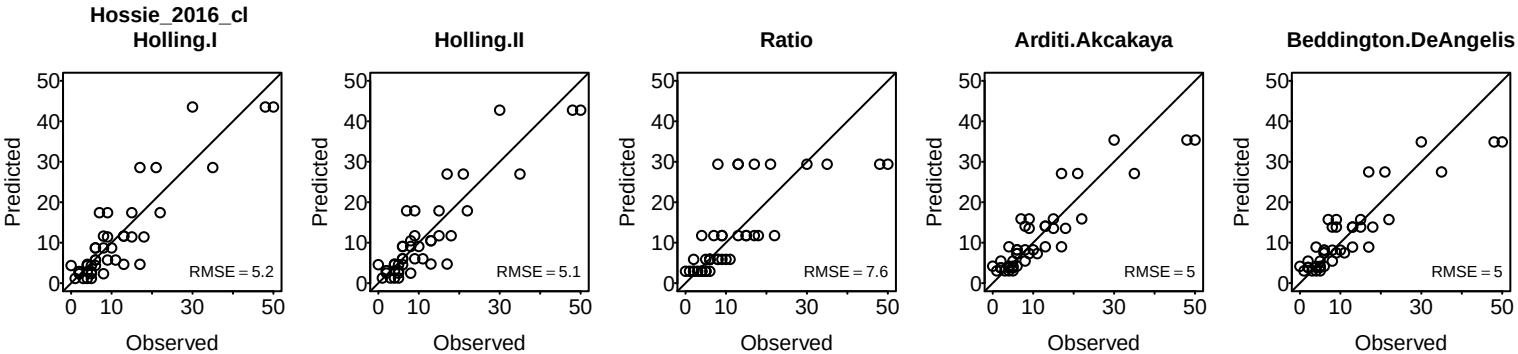
LL = −213.1 (−213.1, −213.1)
AIC = 424.2 (424.2, 424.2)

LL = −205.4 (−205.4, −205.4)
AIC = 408.9 (408.9, 408.9)

LL = −186.3 (−186.3, −186.3)
AIC = 370.6 (370.6, 370.6)

LL = −150 (−150, −150)
AIC = 298 (298, 298)

LL = −150 (−150, −150)
AIC = 298 (298, 298)



LL = −168.2 (−168.2, −168.2)
AIC = 334.4 (334.4, 334.4)

LL = −167.1 (−167.1, −167.1)
AIC = 332.1 (332.1, 332.1)

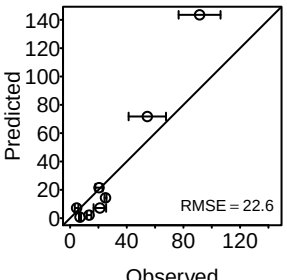
LL = −191 (−191, −191)
AIC = 380 (380, 380)

LL = −139.8 (−139.8, −139.8)
AIC = 277.5 (277.5, 277.5)

LL = −140.2 (−140.2, −140.2)
AIC = 278.3 (278.3, 278.3)

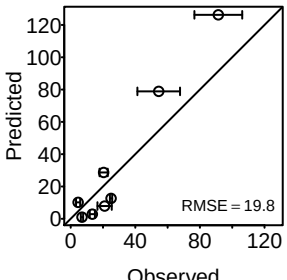
Huffaker_1982

Holling.I



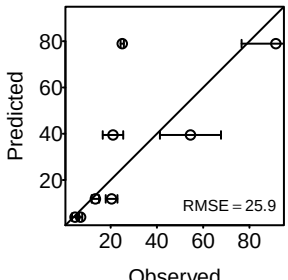
LL = −439.1 (−503.3, −387.7)
AIC = 876.3 (773.5, 1004.6)

Holling.II



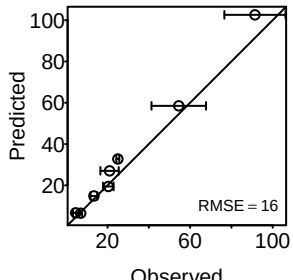
LL = −401.8 (−454.9, −356.4)
AIC = 801.5 (710.9, 907.9)

Ratio



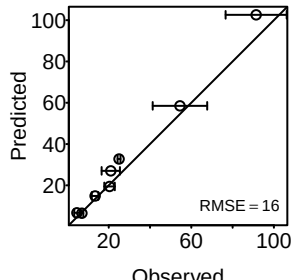
LL = −392.7 (−447.8, −338.4)
AIC = 783.3 (674.7, 893.7)

Arditi.Akcakaya

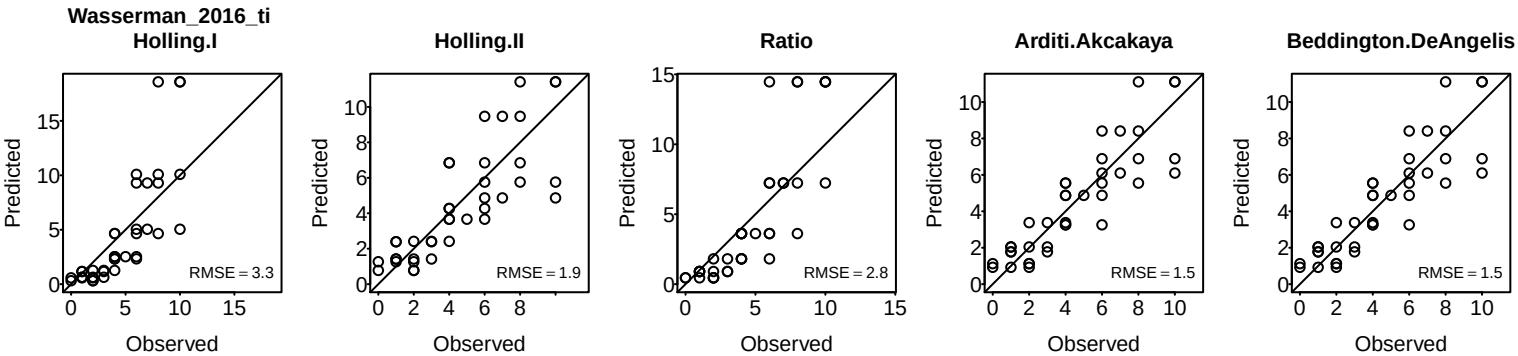


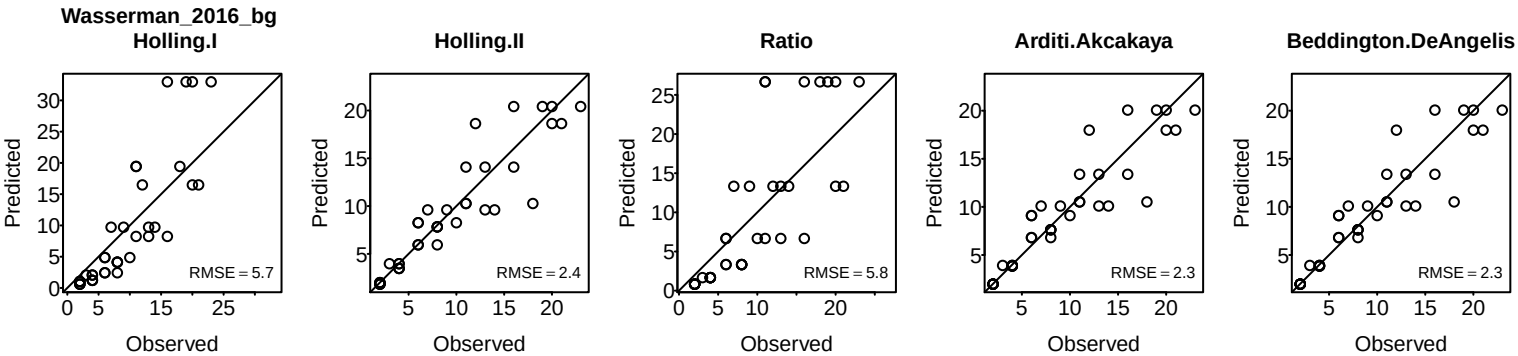
LL = −205.3 (−247.9, −173.5)
AIC = 408.7 (345, 493.8)

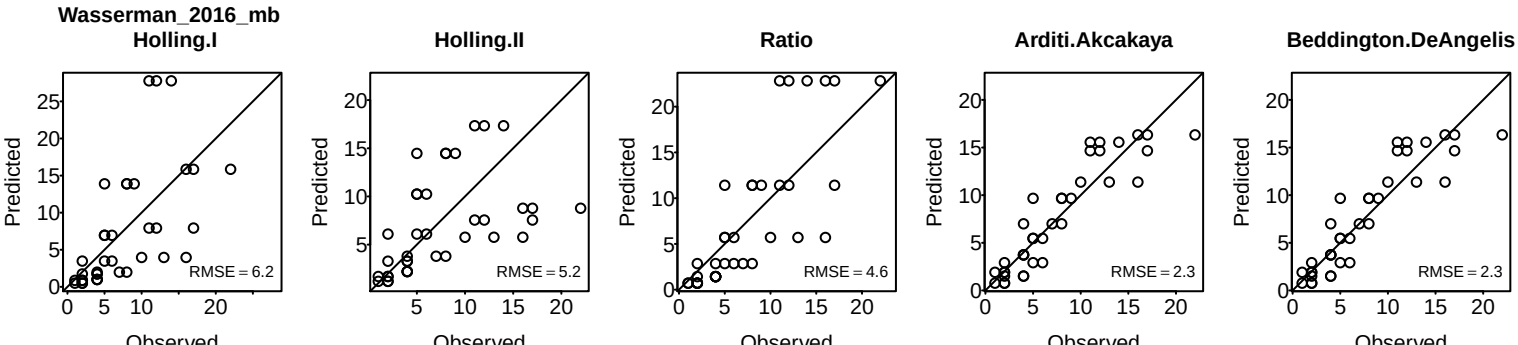
Beddington.DeAngelis



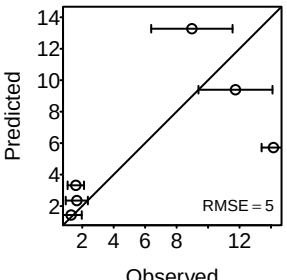
LL = −205.9 (−247.9, −173.5)
AIC = 409.8 (345, 493.8)


Wasserman_2016_ti
Holling.I
Predicted
Observed
RMSE = 3.3
LL = −99.1 (−99.1, −99.1)
AIC = 196.3 (196.3, 196.3)
Holling.II
Predicted
Observed
RMSE = 1.9
LL = −73.6 (−73.6, −73.6)
AIC = 145.2 (145.2, 145.2)
Ratio
Predicted
Observed
RMSE = 2.8
LL = −91.7 (−91.7, −91.7)
AIC = 181.5 (181.5, 181.5)
Arditi.Akcakaya
Predicted
Observed
RMSE = 1.5
LL = −67.3 (−67.3, −67.3)
AIC = 132.5 (132.5, 132.5)
Beddington.DeAngelis
Predicted
Observed
RMSE = 1.5
LL = −67.3 (−67.3, −67.3)
AIC = 132.5 (132.5, 132.5)


Wasserman_2016_bg
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 5.7
RMSE = 2.4
RMSE = 5.8
RMSE = 2.3
RMSE = 2.3
LL = −157.4 (−157.4, −157.4)
AIC = 312.9 (312.9, 312.9)
LL = −63.4 (−63.4, −63.4)
AIC = 124.8 (124.8, 124.8)
LL = −161.9 (−161.9, −161.9)
AIC = 321.9 (321.9, 321.9)
LL = −60.7 (−60.7, −60.7)
AIC = 119.4 (119.4, 119.4)
LL = −60.7 (−60.7, −60.7)
AIC = 119.4 (119.4, 119.4)

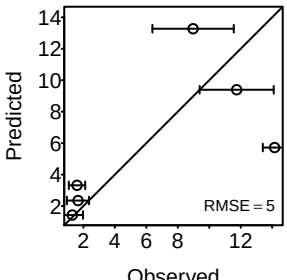

Wasserman_2016_mb
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 6.2
RMSE = 5.2
RMSE = 4.6
RMSE = 2.3
RMSE = 2.3
LL = −183 (−183, −183)
AIC = 364 (364, 364)
LL = −145.2 (−145.2, −145.2)
AIC = 288.5 (288.5, 288.5)
LL = −137 (−137, −137)
AIC = 272.1 (272.1, 272.1)
LL = −77.6 (−77.6, −77.6)
AIC = 153.2 (153.2, 153.2)
LL = −77.6 (−77.6, −77.6)
AIC = 153.2 (153.2, 153.2)

Mansour_1991
Holling.I



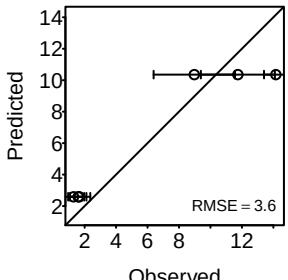
LL = −196.9 (−224.4, −172)
AIC = 391.8 (342, 446.8)

Holling.II



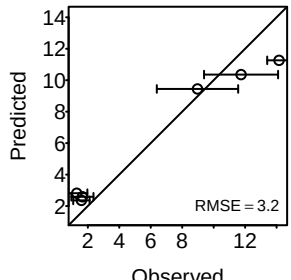
LL = −196.9 (−224.4, −172)
AIC = 391.8 (342, 446.8)

Ratio



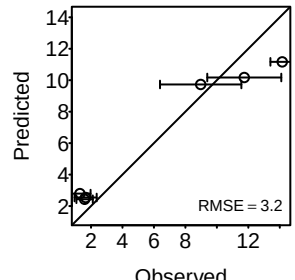
LL = −131.7 (−148, −116.4)
AIC = 261.4 (230.9, 294)

Arditi.Akcakaya

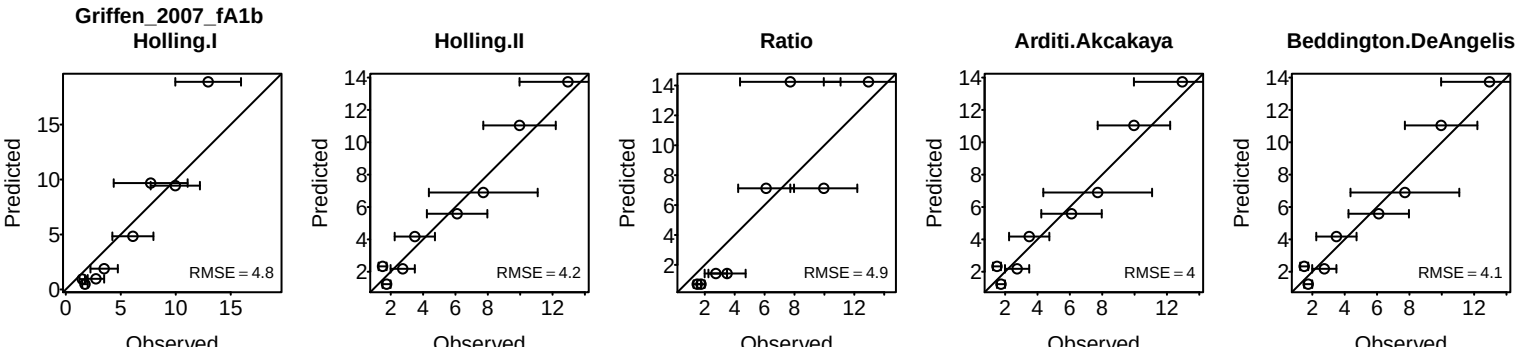


LL = −121.7 (−134.3, −107.1)
AIC = 241.4 (212.2, 266.7)

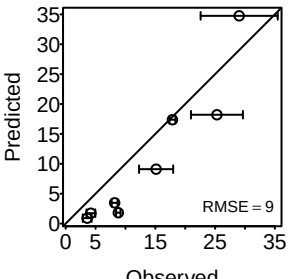
Beddington.DeAngelis



LL = −122.1 (−135.1, −108.7)
AIC = 242.3 (215.4, 268.3)

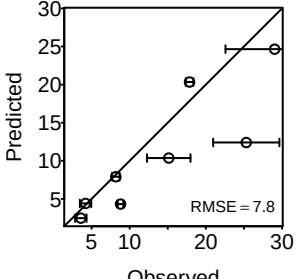

Griffen_2007_fA1b
Holling.I
Predicted
Observed
RMSE = 4.8
LL = −113.1 (−129.2, −96.1)
AIC = 224.1 (190.1, 256.4)
Holling.II
RMSE = 4.2
LL = −94.4 (−107.3, −83.8)
AIC = 186.8 (165.5, 212.6)
Ratio
RMSE = 4.9
LL = −114.4 (−129.3, −97.9)
AIC = 226.9 (193.9, 256.5)
Arditi.Akcakaya
RMSE = 4
LL = −90.4 (−103, −81.3)
AIC = 178.8 (160.5, 204.1)
Beddington.DeAngelis
RMSE = 4.1
LL = −90.4 (−102.6, −81.5)
AIC = 178.8 (161.1, 203.2)

Griffen_2007_fA1a
Holling.I



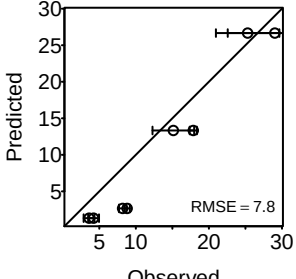
LL = −167.3 (−194.6, −147.1)
AIC = 332.5 (292.3, 387.3)

Holling.II



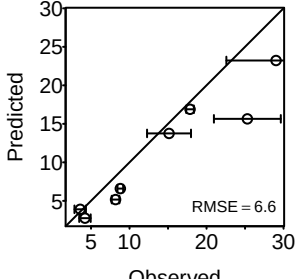
LL = −127 (−147.7, −111.7)
AIC = 252.1 (221.5, 293.4)

Ratio



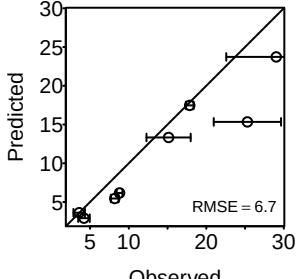
LL = −153.6 (−175.9, −133.4)
AIC = 305.3 (264.7, 349.8)

Arditi.Akcakaya

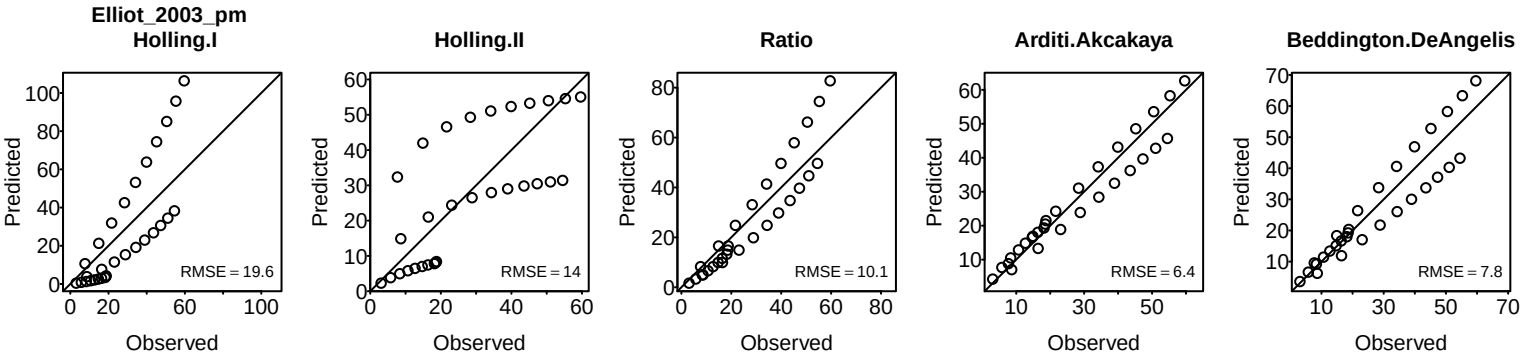


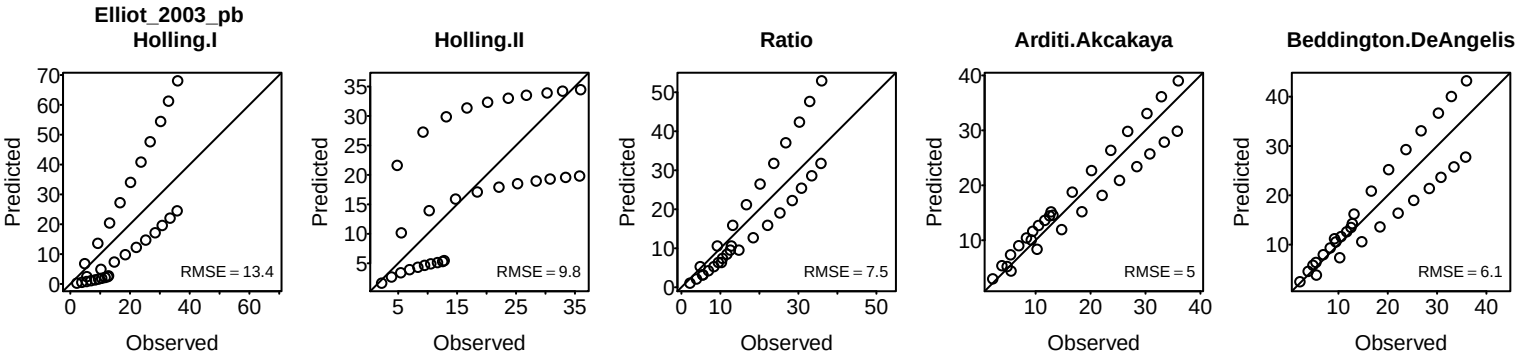
LL = −109.1 (−127.2, −97.9)
AIC = 216.1 (193.7, 252.4)

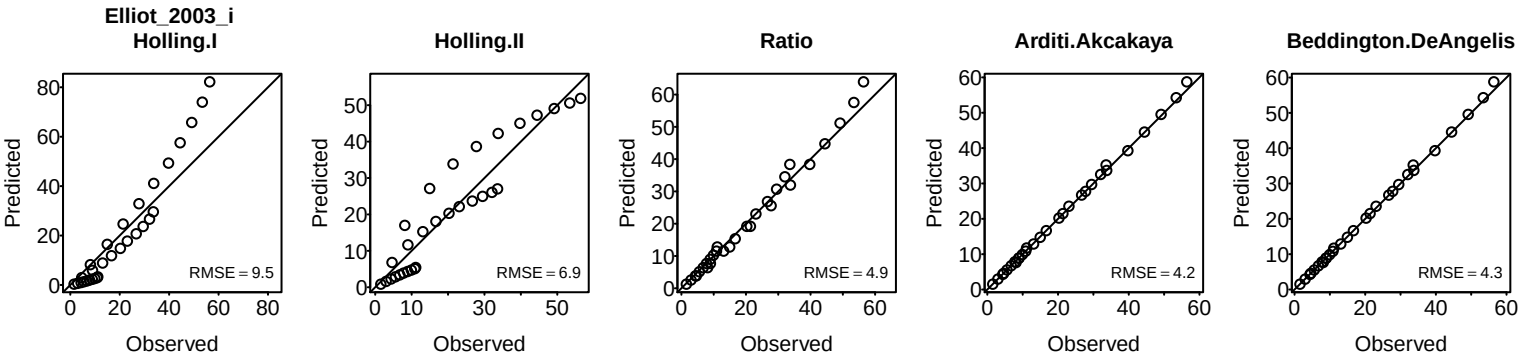
Beddington.DeAngelis

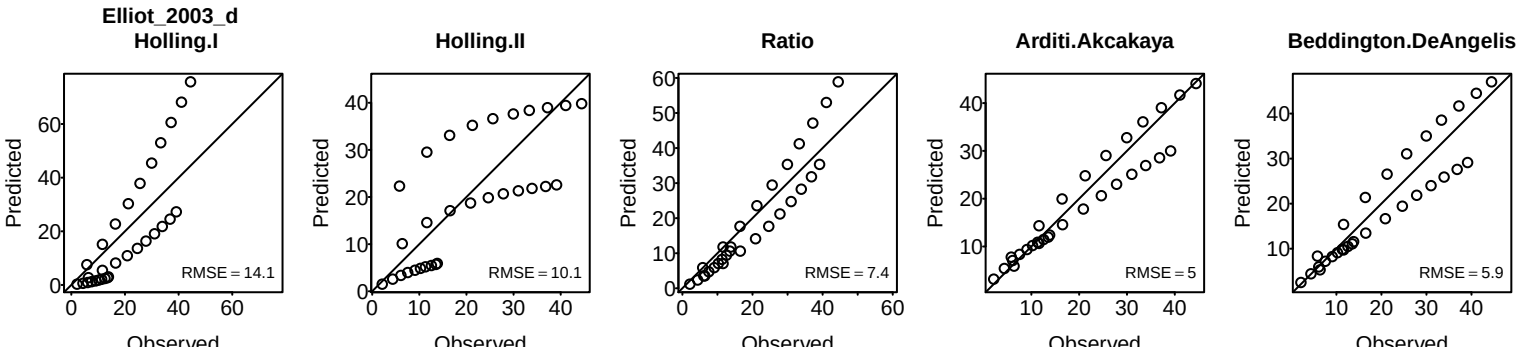


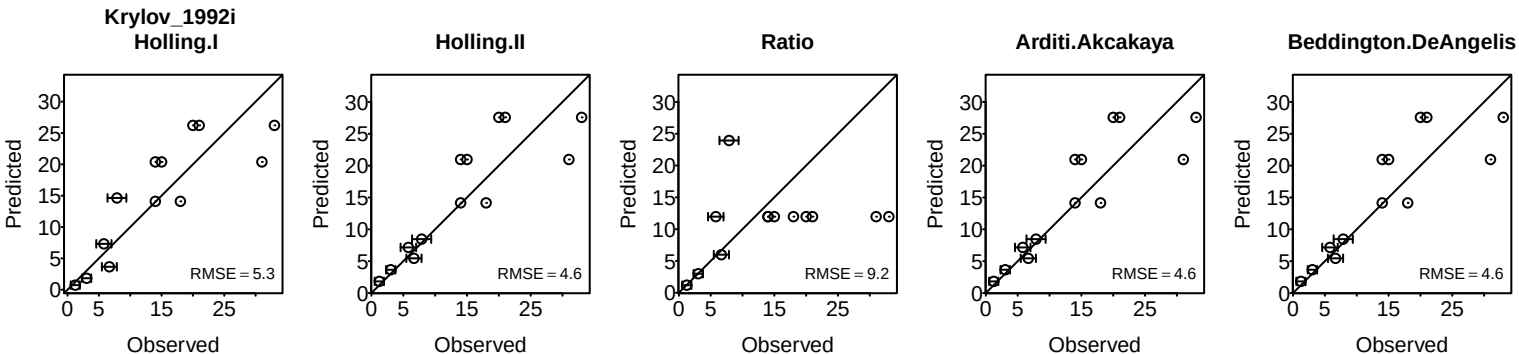
LL = −110 (−128.3, −98.4)
AIC = 217.9 (194.8, 254.6)


Elliot_2003_pm
Holling.I
Predicted
Observed
RMSE = 19.6
LL = −290.8 (−316.9, −268.9)
AIC = 579.7 (535.9, 631.9)
Holling.II
Predicted
Observed
RMSE = 14
LL = −181.4 (−193.5, −168.1)
AIC = 360.9 (334.3, 385)
Ratio
Predicted
Observed
RMSE = 10.1
LL = −118.4 (−130.2, −109.2)
AIC = 234.7 (216.4, 258.3)
Arditi.Akcakaya
Predicted
Observed
RMSE = 6.4
LL = −94.8 (−101.8, −89.5)
AIC = 187.6 (177, 201.5)
Beddington.DeAngelis
Predicted
Observed
RMSE = 7.8
LL = −102.1 (−110.2, −95.3)
AIC = 202.2 (188.6, 218.4)

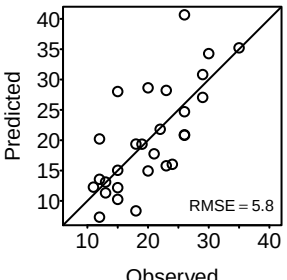

Elliot_2003_pb
Holling.I
Predicted
Observed
RMSE = 13.4
LL = −226.2 (−245.4, −203.8)
AIC = 450.5 (405.5, 488.8)
Holling.II
Predicted
Observed
RMSE = 9.8
LL = −148.5 (−162.2, −137.4)
AIC = 295 (272.7, 322.5)
Ratio
Predicted
Observed
RMSE = 7.5
LL = −107.3 (−114.7, −98.5)
AIC = 212.6 (195.1, 227.5)
Arditi.Akcakaya
Predicted
Observed
RMSE = 5
LL = −86.9 (−92, −82.3)
AIC = 171.9 (162.6, 181.9)
Beddington.DeAngelis
Predicted
Observed
RMSE = 6.1
LL = −93.7 (−100.2, −87.8)
AIC = 185.5 (173.7, 198.3)


Elliot_2003_i
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 9.5
RMSE = 6.9
RMSE = 4.9
RMSE = 4.2
RMSE = 4.3
LL = −143.6 (−157.4, −130.6)
AIC = 285.2 (259.2, 312.8)
LL = −108.9 (−118.1, −101.8)
AIC = 215.8 (201.6, 234.2)
LL = −83.8 (−88.5, −79.7)
AIC = 165.6 (157.4, 175.1)
LL = −80.6 (−84.2, −77.5)
AIC = 159.3 (153.1, 166.4)
LL = −80.7 (−84.3, −77.6)
AIC = 159.4 (153.1, 166.6)


Elliot_2003_d
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 14.1
RMSE = 10.1
RMSE = 7.4
RMSE = 5
RMSE = 5.9
LL = −220.1 (−243, −202.4)
AIC = 438.2 (402.8, 484)
LL = −145.8 (−158.1, −134.4)
AIC = 289.5 (266.8, 314.1)
LL = −101.8 (−110.5, −95.3)
AIC = 201.6 (188.6, 219)
LL = −86.8 (−92.4, −82.6)
AIC = 171.5 (163.3, 182.7)
LL = −91.3 (−97.7, −85.8)
AIC = 180.6 (169.6, 193.4)

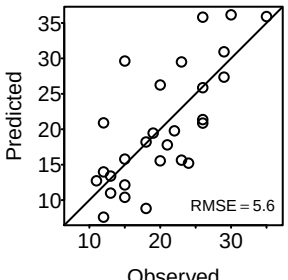

Krylov_1992i
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 5.3
RMSE = 4.6
RMSE = 9.2
RMSE = 4.6
RMSE = 4.6
LL = −95.4 (−107.2, −83.9)
AIC = 188.8 (165.8, 212.3)
LL = −81.5 (−89.6, −74.4)
AIC = 161.1 (146.8, 177.3)
LL = −148.9 (−163.8, −131.1)
AIC = 295.9 (260.1, 325.6)
LL = −80.5 (−89, −74.1)
AIC = 159.1 (146.3, 175.9)
LL = −80.4 (−88.9, −74.1)
AIC = 158.9 (146.2, 175.7)

IsleRoyale_w98
Holling.I



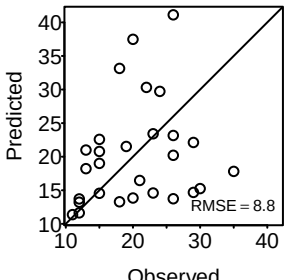
LL = −90.7 (−90.7, −90.7)
AIC = 179.4 (179.4, 179.4)

Holling.II



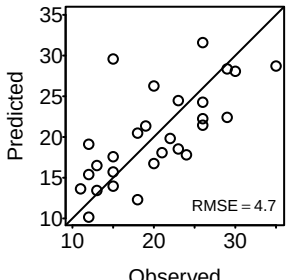
LL = −89.8 (−89.8, −89.8)
AIC = 177.6 (177.6, 177.6)

Ratio



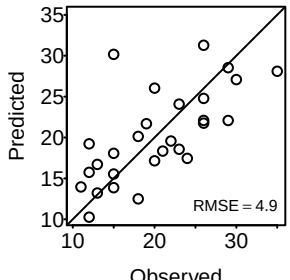
LL = −115.4 (−115.4, −115.4)
AIC = 228.7 (228.7, 228.7)

Arditi.Akcakaya

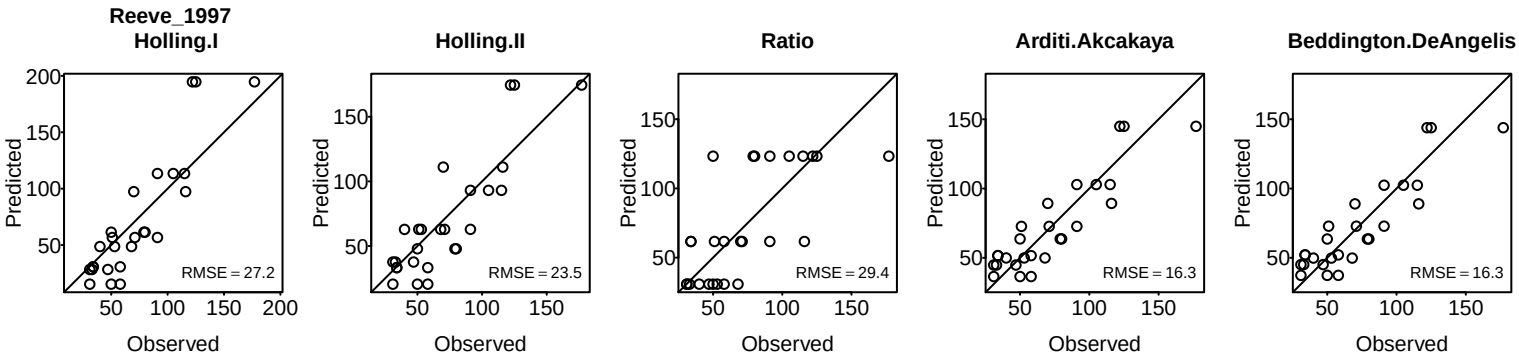


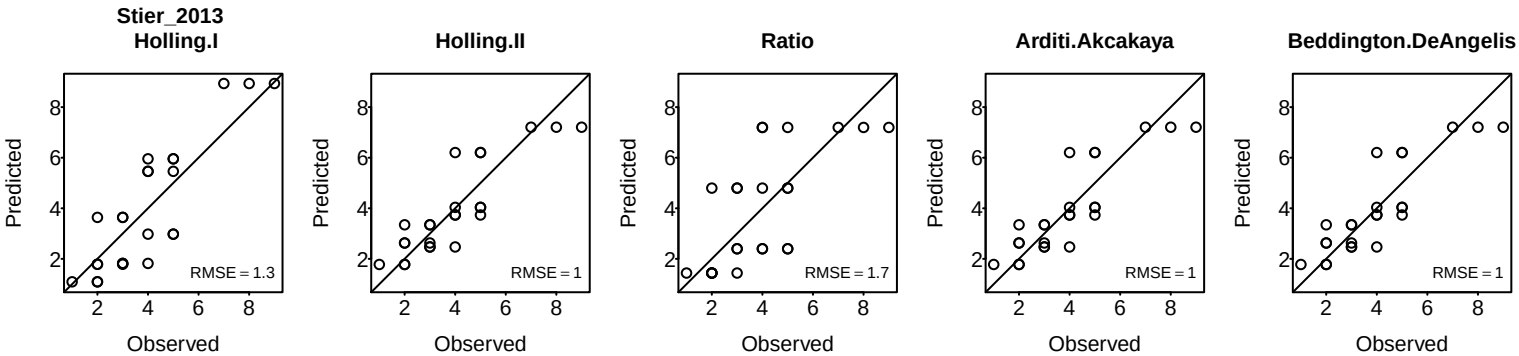
LL = −82 (−82, −82)
AIC = 162.1 (162.1, 162.1)

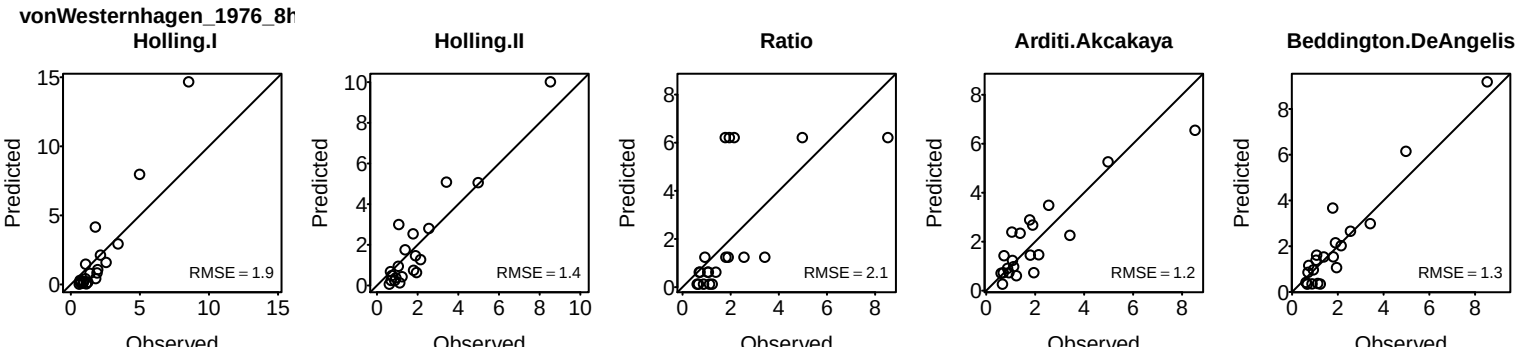
Beddington.DeAngelis

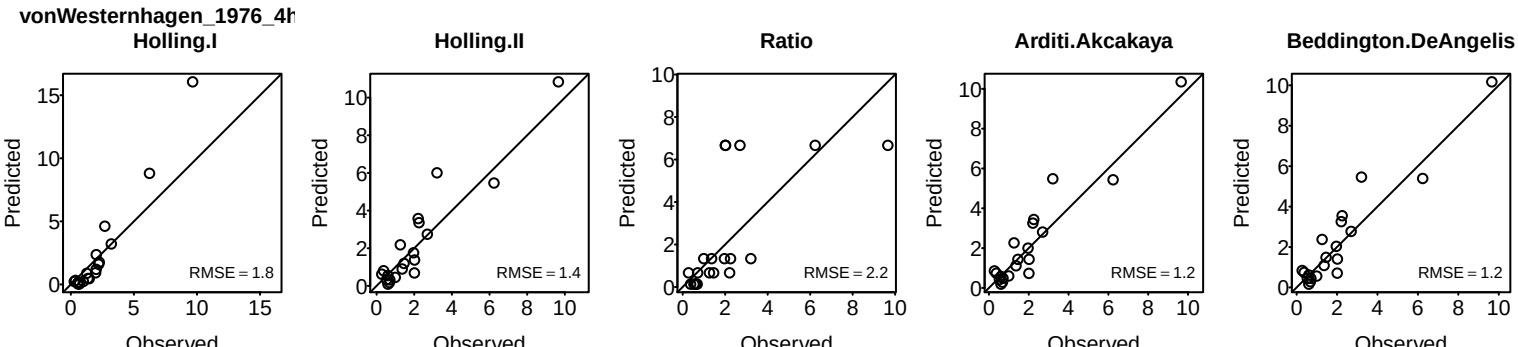


LL = −82.7 (−82.7, −82.7)
AIC = 163.4 (163.4, 163.4)

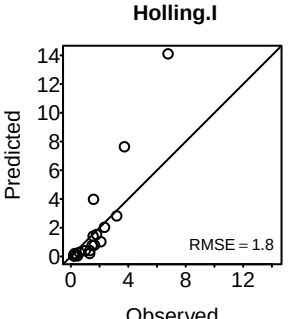

Reeve_1997
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 27.2
RMSE = 23.5
RMSE = 29.4
RMSE = 16.3
RMSE = 16.3
LL = −282.2 (−282.2, −282.2)
AIC = 562.4 (562.4, 562.4)
LL = −236.4 (−236.4, −236.4)
AIC = 470.7 (470.7, 470.7)
LL = −293.7 (−293.7, −293.7)
AIC = 585.5 (585.5, 585.5)
LL = −149.9 (−149.9, −149.9)
AIC = 297.9 (297.9, 297.9)
LL = −149.7 (−149.7, −149.7)
AIC = 297.3 (297.3, 297.3)


Stier_2013
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 1.3
RMSE = 1
RMSE = 1.7
RMSE = 1
RMSE = 1
LL = −40.1 (−40.1, −40.1)
AIC = 78.1 (78.1, 78.1)
LL = −33.3 (−33.3, −33.3)
AIC = 64.6 (64.6, 64.6)
LL = −45.5 (−45.5, −45.5)
AIC = 88.9 (88.9, 88.9)
LL = −33.3 (−33.3, −33.3)
AIC = 64.6 (64.6, 64.6)
LL = −33.3 (−33.3, −33.3)
AIC = 64.6 (64.6, 64.6)

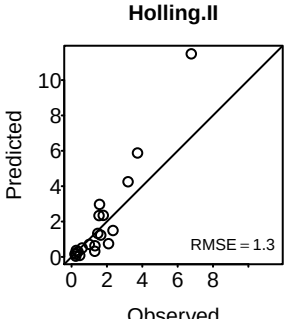

vonWesternhagen_1976_8h
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 1.9
RMSE = 1.4
RMSE = 2.1
RMSE = 1.2
RMSE = 1.3
LL = −39.3 (−46.4, −33.9)
AIC = 76.5 (65.8, 90.8)
LL = −33.3 (−39.4, −29.5)
AIC = 64.5 (57, 76.9)
LL = −39.7 (−44.3, −35.2)
AIC = 77.3 (68.4, 86.7)
LL = −28.5 (−31.5, −26)
AIC = 55 (50, 61)
LL = −28.7 (−31.4, −26.3)
AIC = 55.4 (50.6, 60.8)


vonWesternhagen_1976_4h
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 1.8
RMSE = 1.4
RMSE = 2.2
RMSE = 1.2
RMSE = 1.2
LL = −35.8 (−42, −29.7)
AIC = 69.6 (57.5, 82)
LL = −31 (−36.6, −26.9)
AIC = 60 (51.8, 71.3)
LL = −38.9 (−43.8, −34)
AIC = 75.9 (66, 85.6)
LL = −27.2 (−30.9, −24.8)
AIC = 52.4 (47.5, 59.8)
LL = −27.2 (−30.7, −24.8)
AIC = 52.4 (47.7, 59.3)

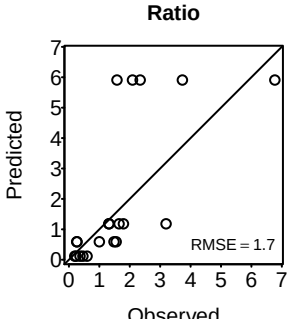
vonWesternhagen_1976_2h



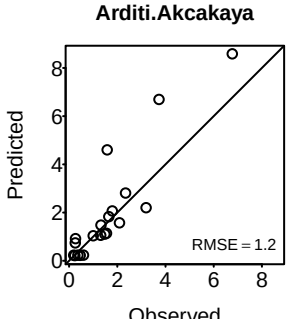
LL = −34.4 (−40.4, −28.7)
AIC = 66.8 (55.4, 78.7)



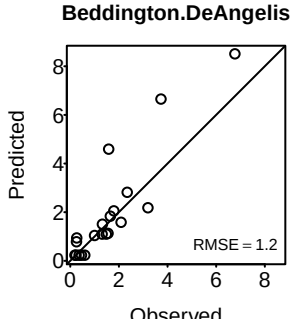
LL = −29.2 (−34.6, −25)
AIC = 56.4 (48, 67.1)



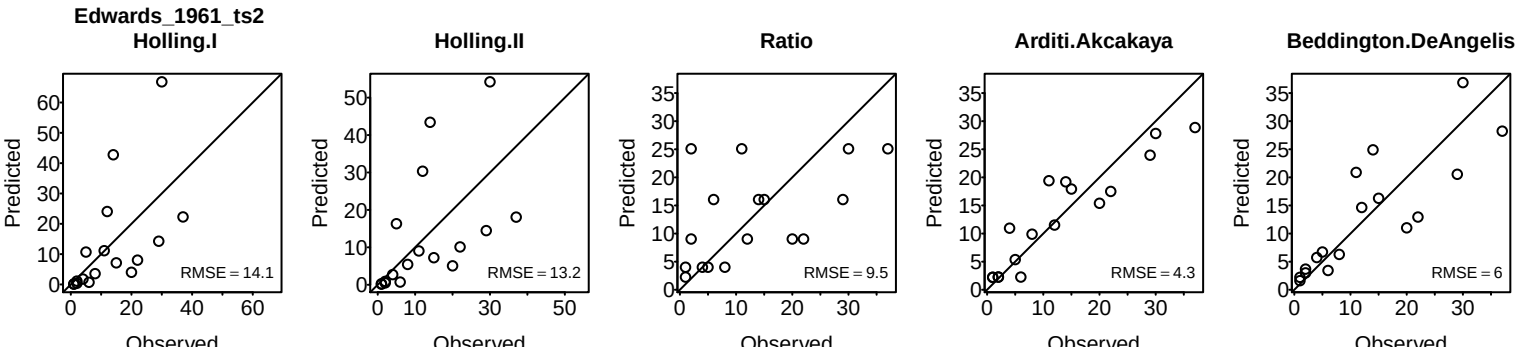
LL = −33.9 (−38.4, −28.8)
AIC = 65.9 (55.6, 74.8)

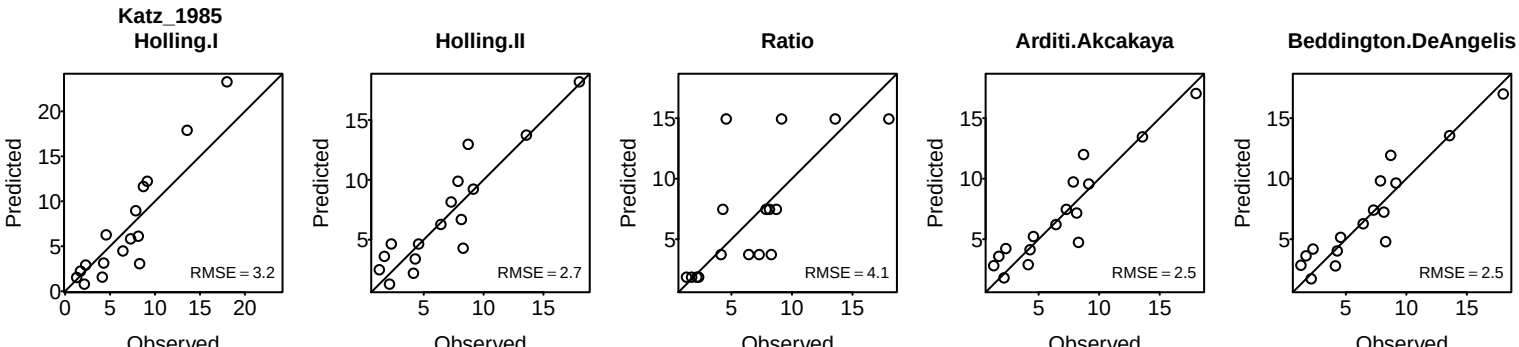


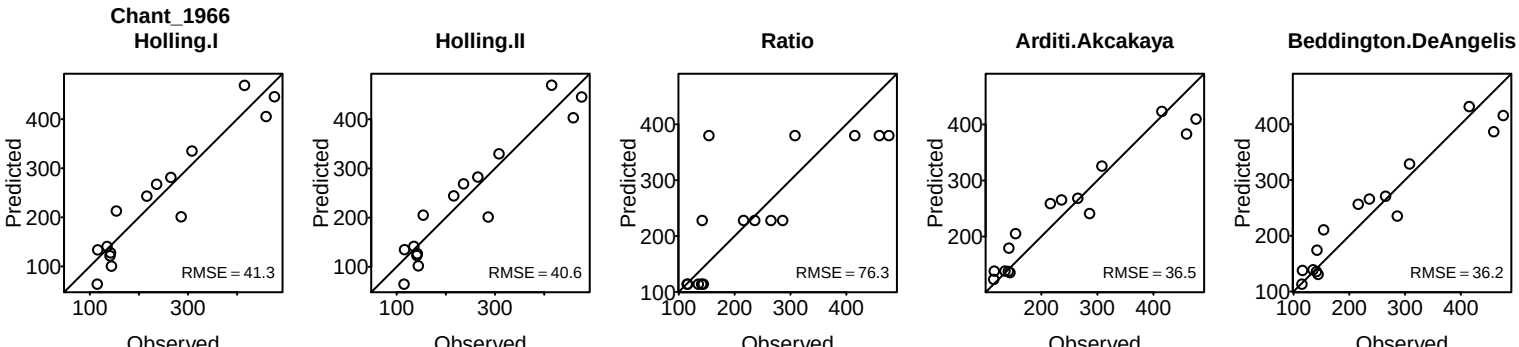
LL = −26.3 (−29.7, −23.3)
AIC = 50.5 (44.6, 57.5)



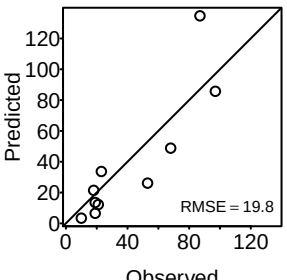
LL = −26.4 (−29.7, −23.4)
AIC = 50.8 (44.8, 57.3)


Edwards_1961_ts2
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 14.1
RMSE = 13.2
RMSE = 9.5
RMSE = 4.3
RMSE = 6
LL = −117.3 (−117.3, −117.3)
AIC = 232.6 (232.6, 232.6)
LL = −111.9 (−111.9, −111.9)
AIC = 221.9 (221.9, 221.9)
LL = −87.7 (−87.7, −87.7)
AIC = 173.3 (173.3, 173.3)
LL = −45.6 (−45.6, −45.6)
AIC = 89.1 (89.1, 89.1)
LL = −51.2 (−51.2, −51.2)
AIC = 100.4 (100.4, 100.4)


Katz_1985
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 3.2
RMSE = 2.7
RMSE = 4.1
RMSE = 2.5
RMSE = 2.5
LL = −42.9 (−48.6, −37.8)
AIC = 83.8 (73.6, 95.2)
LL = −39.5 (−43.5, −35.2)
AIC = 77.1 (68.4, 85)
LL = −46.9 (−53.2, −41.2)
AIC = 91.7 (80.5, 104.5)
LL = −36.3 (−39.9, −33)
AIC = 70.6 (64, 77.8)
LL = −36.3 (−39.8, −33.1)
AIC = 70.6 (64.2, 77.7)

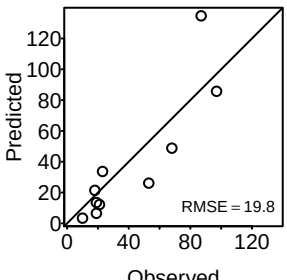

Chant_1966
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 41.3
RMSE = 40.6
RMSE = 76.3
RMSE = 36.5
RMSE = 36.2
LL = −324.3 (−324.3, −324.3)
AIC = 646.7 (646.7, 646.7)
LL = −323.4 (−323.4, −323.4)
AIC = 644.9 (644.9, 644.9)
LL = −576.6 (−576.6, −576.6)
AIC = 1151.2 (1151.2, 1151.2)
LL = −225.1 (−225.1, −225.1)
AIC = 448.2 (448.2, 448.2)
LL = −225.1 (−225.1, −225.1)
AIC = 448.2 (448.2, 448.2)

Vahl_2005_t
Holling.I



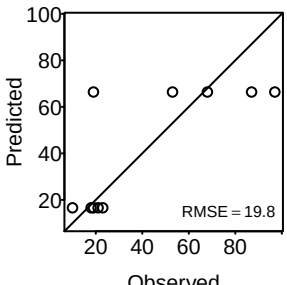
LL = −91.6 (−91.6, −91.6)
AIC = 181.2 (181.2, 181.2)

Holling.II



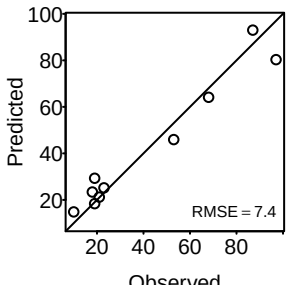
LL = −91.6 (−91.6, −91.6)
AIC = 181.2 (181.2, 181.2)

Ratio



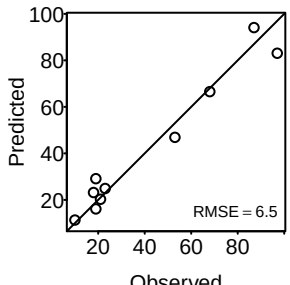
LL = −77.3 (−77.3, −77.3)
AIC = 152.5 (152.5, 152.5)

Arditi.Akcakaya

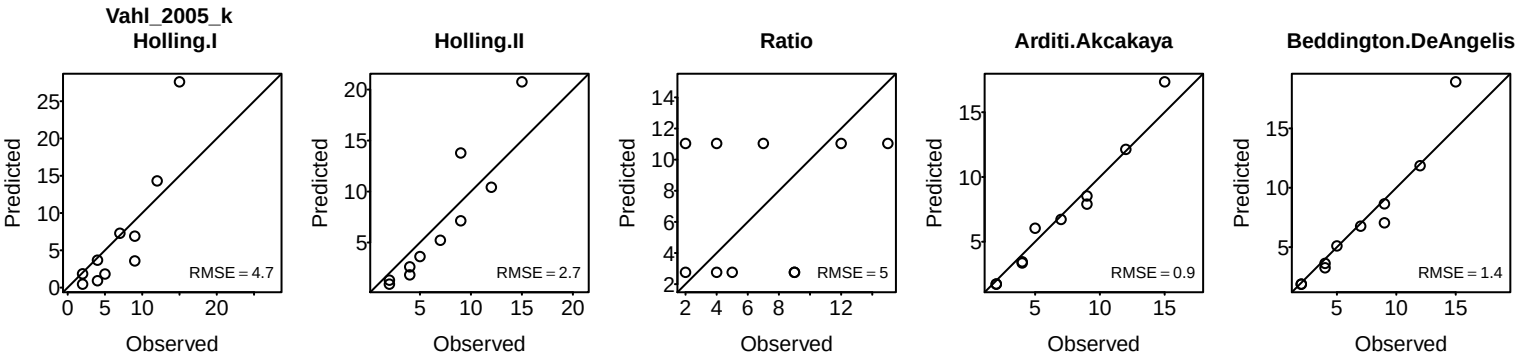


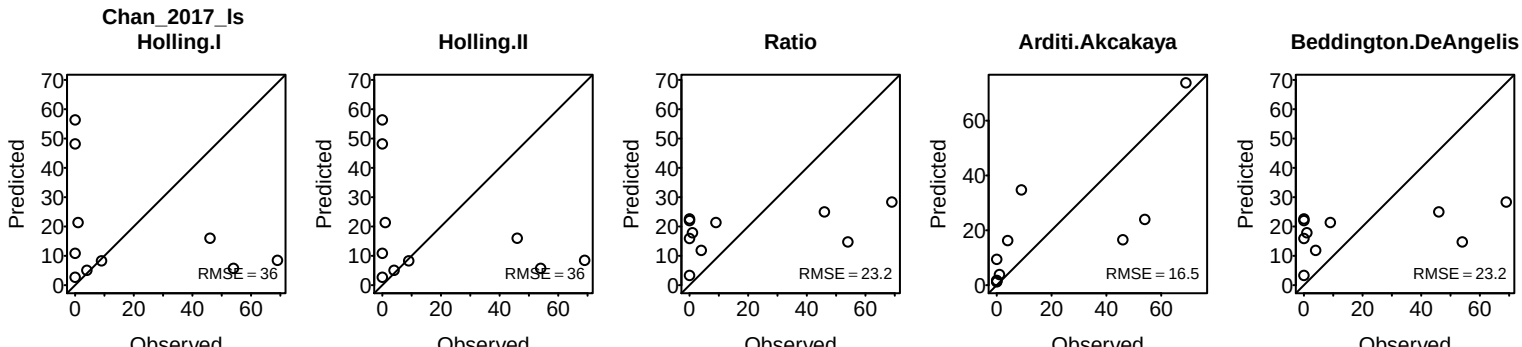
LL = −33.3 (−33.3, −33.3)
AIC = 64.7 (64.7, 64.7)

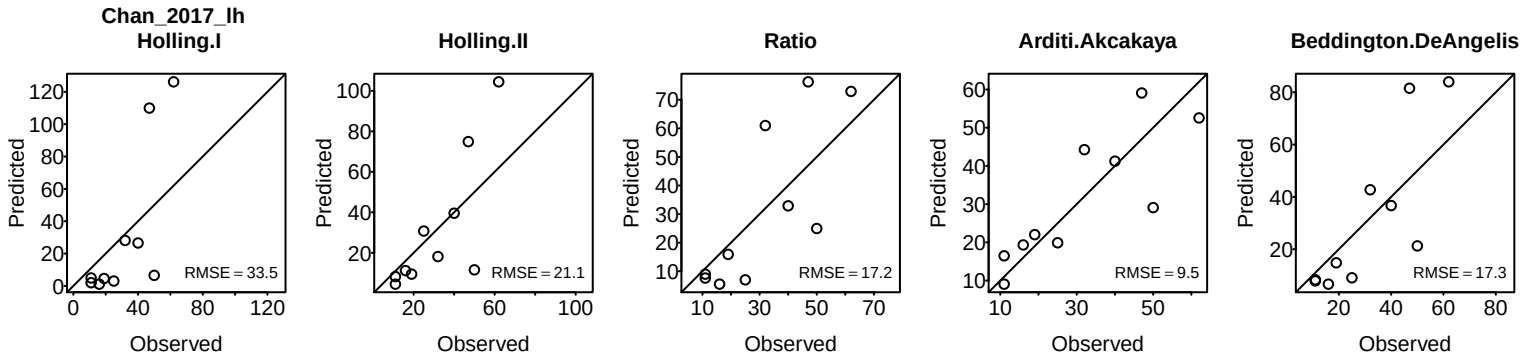
Beddington.DeAngelis

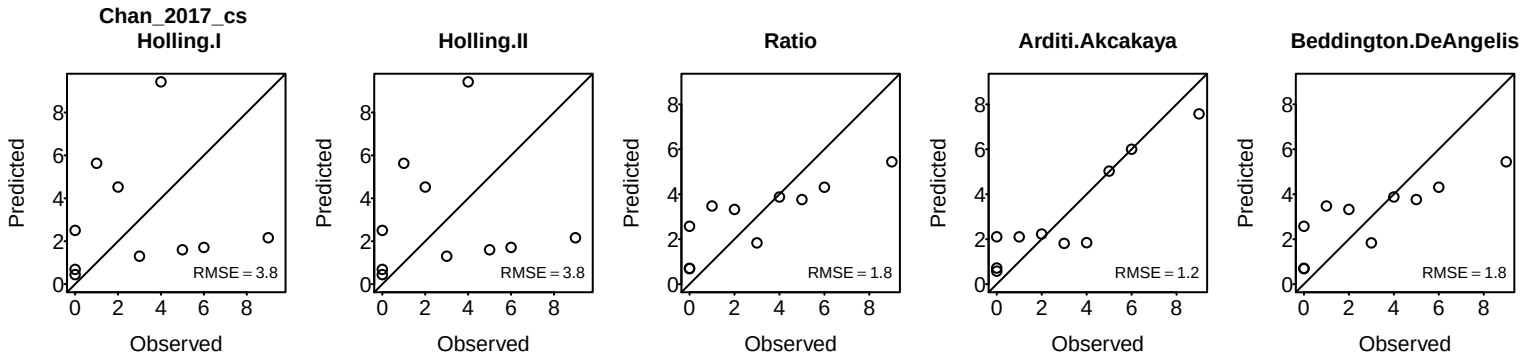


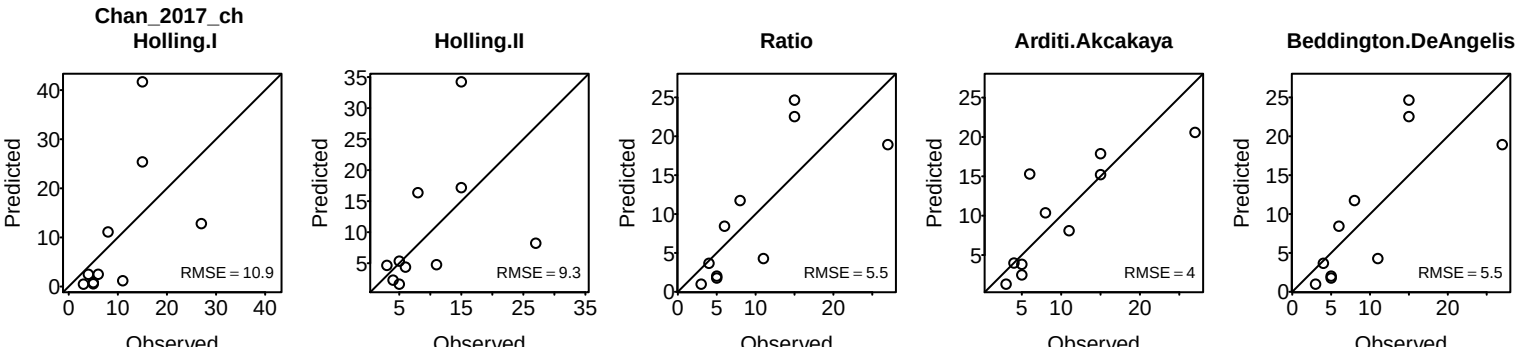
LL = −31.3 (−31.3, −31.3)
AIC = 60.7 (60.7, 60.7)

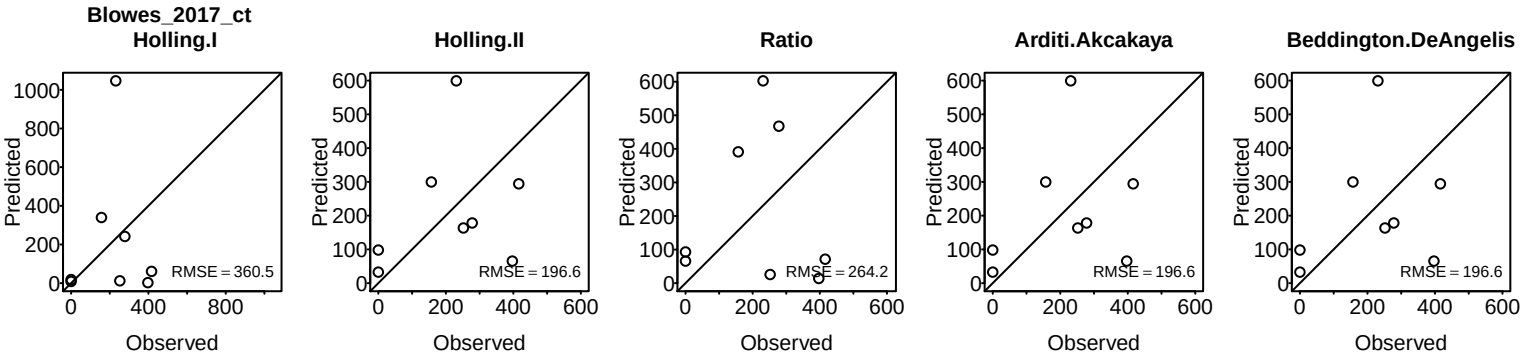

Vahl_2005_k
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 4.7
RMSE = 2.7
RMSE = 5
RMSE = 0.9
RMSE = 1.4
LL = −31.6 (−31.6, −31.6)
AIC = 61.2 (61.2, 61.2)
LL = −22.7 (−22.7, −22.7)
AIC = 43.5 (43.5, 43.5)
LL = −39 (−39, −39)
AIC = 76 (76, 76)
LL = −18.2 (−18.2, −18.2)
AIC = 34.3 (34.3, 34.3)
LL = −18.5 (−18.5, −18.5)
AIC = 35 (35, 35)

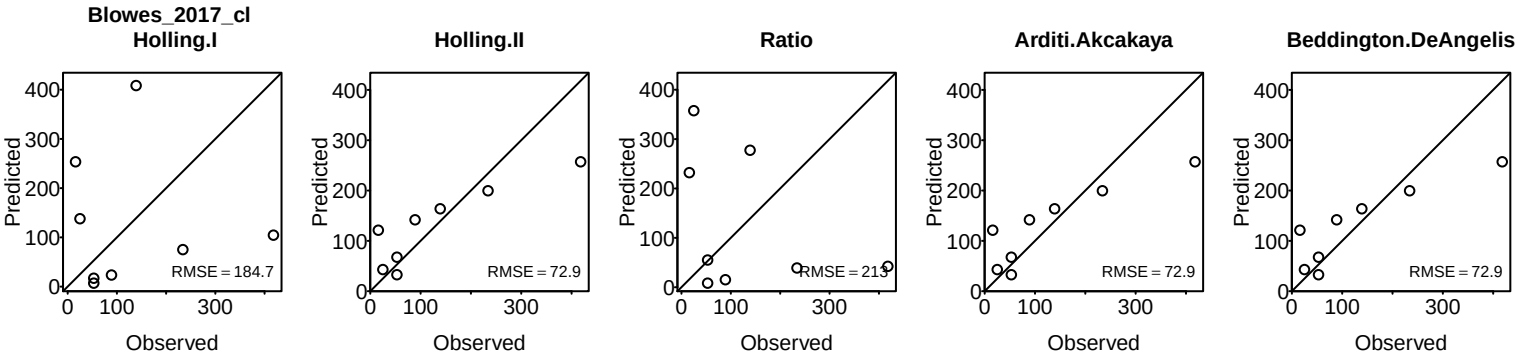

Chan_2017_ls
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 36
RMSE = 36
RMSE = 23.2
RMSE = 16.5
RMSE = 23.2
LL = −324.7 (−324.7, −324.7)
AIC = 647.4 (647.4, 647.4)
LL = −324.7 (−324.7, −324.7)
AIC = 647.4 (647.4, 647.4)
LL = −158 (−158, −158)
AIC = 314 (314, 314)
LL = −80.6 (−80.6, −80.6)
AIC = 159.1 (159.1, 159.1)
LL = −158 (−158, −158)
AIC = 314 (314, 314)


Chan_2017_lh
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 33.5
RMSE = 21.1
RMSE = 17.2
RMSE = 9.5
RMSE = 17.3
LL = −213.9 (−213.9, −213.9)
AIC = 425.7 (425.7, 425.7)
LL = −89.4 (−89.4, −89.4)
AIC = 176.8 (176.8, 176.8)
LL = −73.4 (−73.4, −73.4)
AIC = 144.7 (144.7, 144.7)
LL = −38.2 (−38.2, −38.2)
AIC = 74.3 (74.3, 74.3)
LL = −68.6 (−68.6, −68.6)
AIC = 135.2 (135.2, 135.2)


Chan_2017_cs
Holling.I
Predicted
Observed
RMSE = 3.8
LL = −32.8 (−32.8, −32.8)
AIC = 63.6 (63.6, 63.6)
Holling.II
Predicted
Observed
RMSE = 3.8
LL = −32.8 (−32.8, −32.8)
AIC = 63.6 (63.6, 63.6)
Ratio
Predicted
Observed
RMSE = 1.8
LL = −18.3 (−18.3, −18.3)
AIC = 34.6 (34.6, 34.6)
Arditi.Akcakaya
Predicted
Observed
RMSE = 1.2
LL = −16.2 (−16.2, −16.2)
AIC = 30.4 (30.4, 30.4)
Beddington.DeAngelis
Predicted
Observed
RMSE = 1.8
LL = −18.3 (−18.3, −18.3)
AIC = 34.6 (34.6, 34.6)


Chan_2017_ch
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 10.9
RMSE = 9.3
RMSE = 5.5
RMSE = 4
RMSE = 5.5
LL = −71.2 (−71.2, −71.2)
AIC = 140.5 (140.5, 140.5)
LL = −49 (−49, −49)
AIC = 96 (96, 96)
LL = −34.4 (−34.4, −34.4)
AIC = 66.8 (66.8, 66.8)
LL = −27.2 (−27.2, −27.2)
AIC = 52.4 (52.4, 52.4)
LL = −34.4 (−34.4, −34.4)
AIC = 66.8 (66.8, 66.8)


Blowes_2017_ct
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
RMSE = 360.5
RMSE = 196.6
RMSE = 264.2
RMSE = 196.6
RMSE = 196.6
LL = −3145 (−3145, −3145)
AIC = 6287.9 (6287.9, 6287.9)
LL = −793.5 (−793.5, −793.5)
AIC = 1584.9 (1584.9, 1584.9)
LL = −2151.6 (−2151.6, −2151.6)
AIC = 4301.1 (4301.1, 4301.1)
LL = −793.5 (−793.5, −793.5)
AIC = 1584.9 (1584.9, 1584.9)
LL = −793.5 (−793.5, −793.5)
AIC = 1584.9 (1584.9, 1584.9)



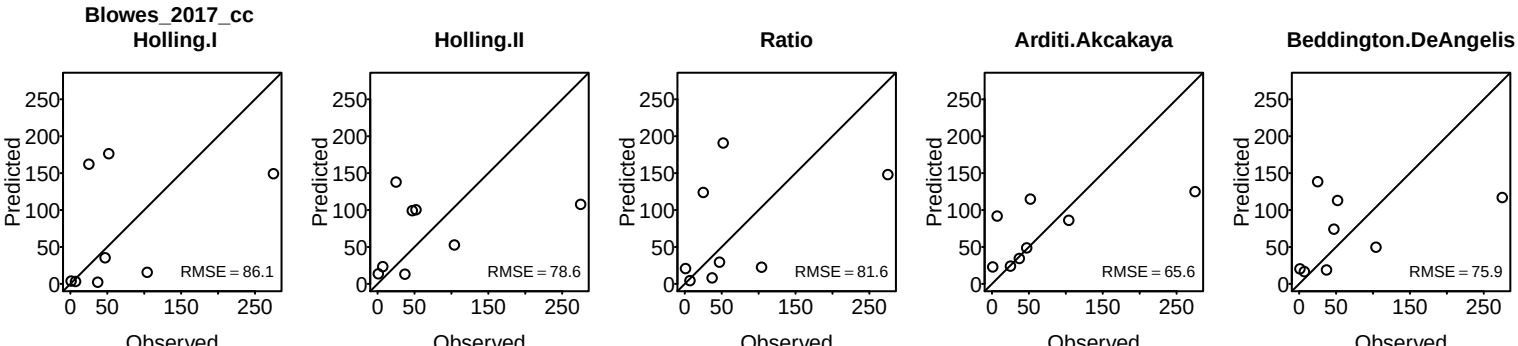
LL = −919.3 (−919.3, −919.3)
AIC = 1836.5 (1836.5, 1836.5)

LL = −167.4 (−167.4, −167.4)
AIC = 332.9 (332.9, 332.9)

LL = −1449.3 (−1449.3, −1449.3)
AIC = 2896.6 (2896.6, 2896.6)

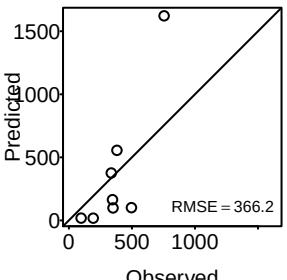
LL = −167.4 (−167.4, −167.4)
AIC = 332.9 (332.9, 332.9)

LL = −167.4 (−167.4, −167.4)
AIC = 332.9 (332.9, 332.9)


Blowes_2017_cc
Holling.I
Holling.II
Ratio
Arditi.Akcakaya
Beddington.DeAngelis
Predicted
Observed
0
50
150
250
RMSE = 86.1
RMSE = 78.6
RMSE = 81.6
RMSE = 65.6
RMSE = 75.9
LL = −396.6 (−396.6, −396.6)
AIC = 791.2 (791.2, 791.2)
LL = −264.6 (−264.6, −264.6)
AIC = 527.3 (527.3, 527.3)
LL = −320.7 (−320.7, −320.7)
AIC = 639.3 (639.3, 639.3)
LL = −197 (−197, −197)
AIC = 391.9 (391.9, 391.9)
LL = −244.1 (−244.1, −244.1)
AIC = 486.1 (486.1, 486.1)

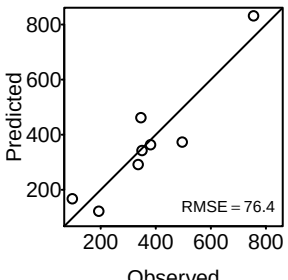
Blowes_2017_cb

Holling.I



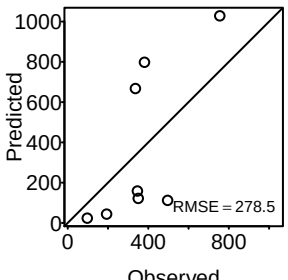
LL = −1383.3 (−1383.3, −1383.3)
AIC = 2764.7 (2764.7, 2764.7)

Holling.II



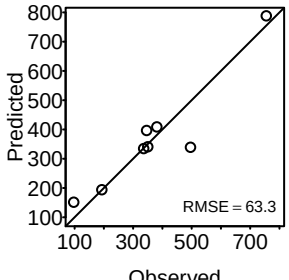
LL = −106.9 (−106.9, −106.9)
AIC = 211.7 (211.7, 211.7)

Ratio



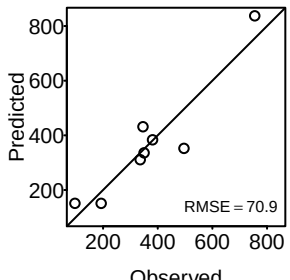
LL = −1084.2 (−1084.2, −1084.2)
AIC = 2166.5 (2166.5, 2166.5)

Arditi.Akcakaya



LL = −78.5 (−78.5, −78.5)
AIC = 155.1 (155.1, 155.1)

Beddington.DeAngelis



LL = −87.4 (−87.4, −87.4)
AIC = 172.9 (172.9, 172.9)