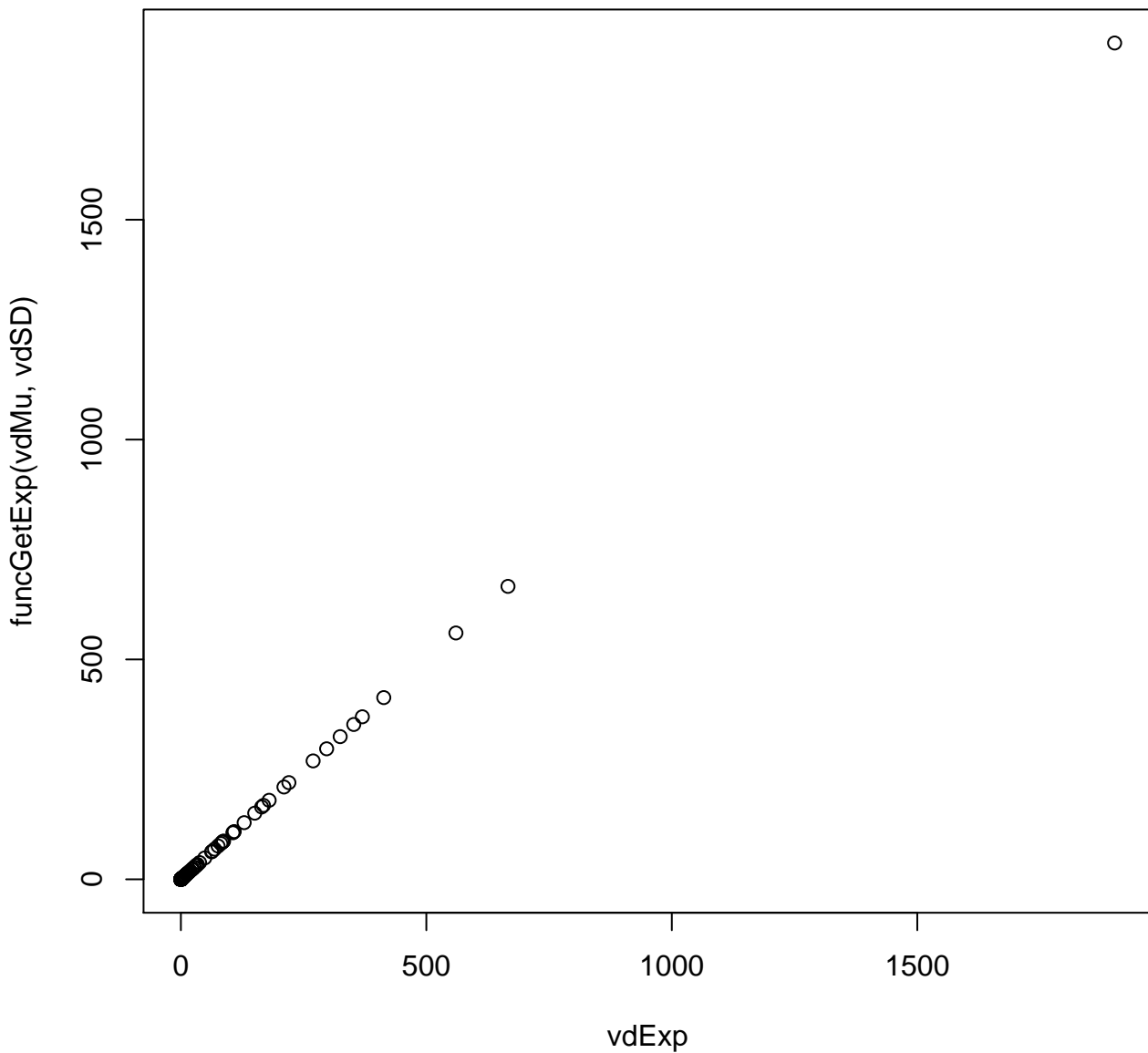
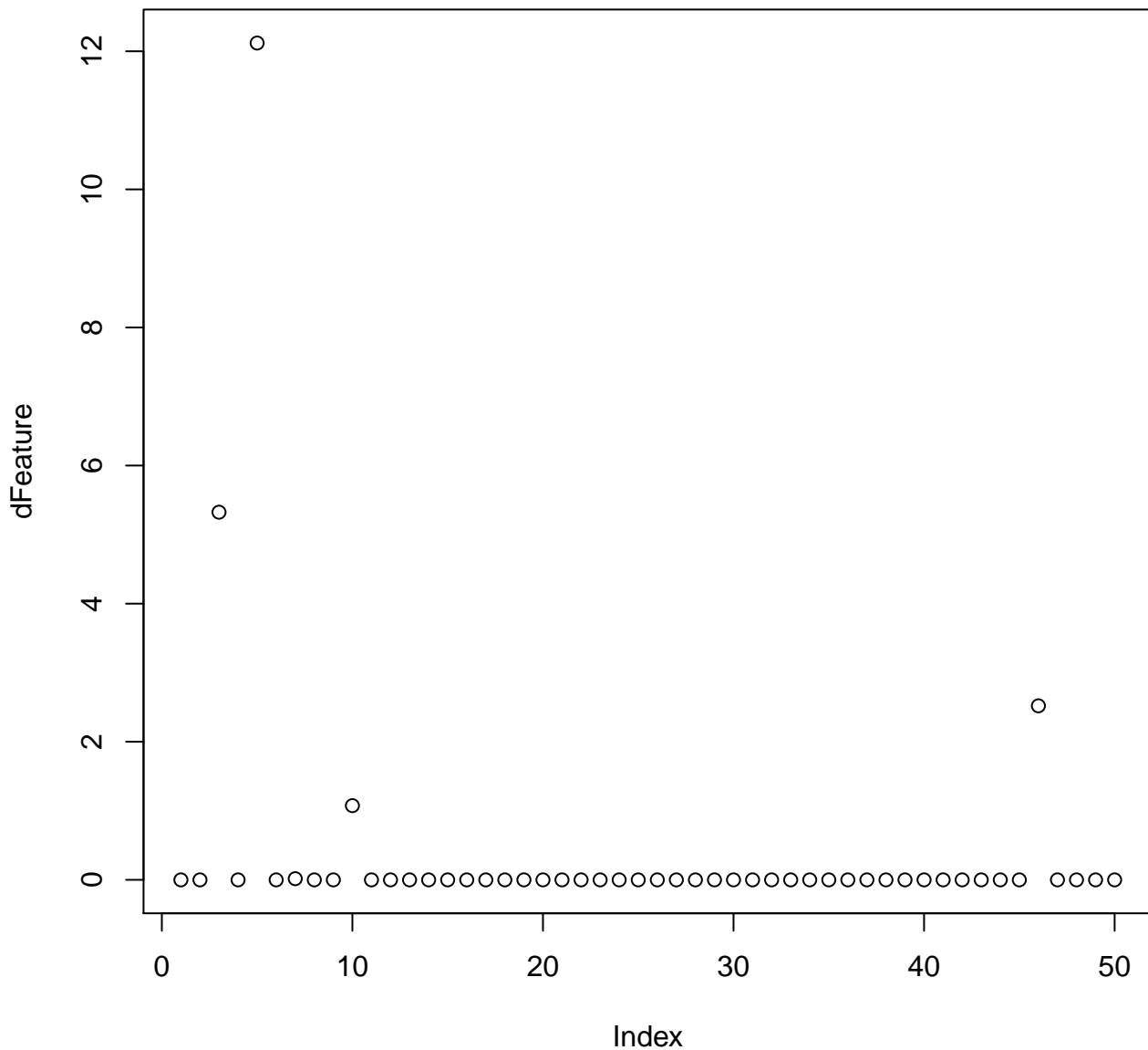


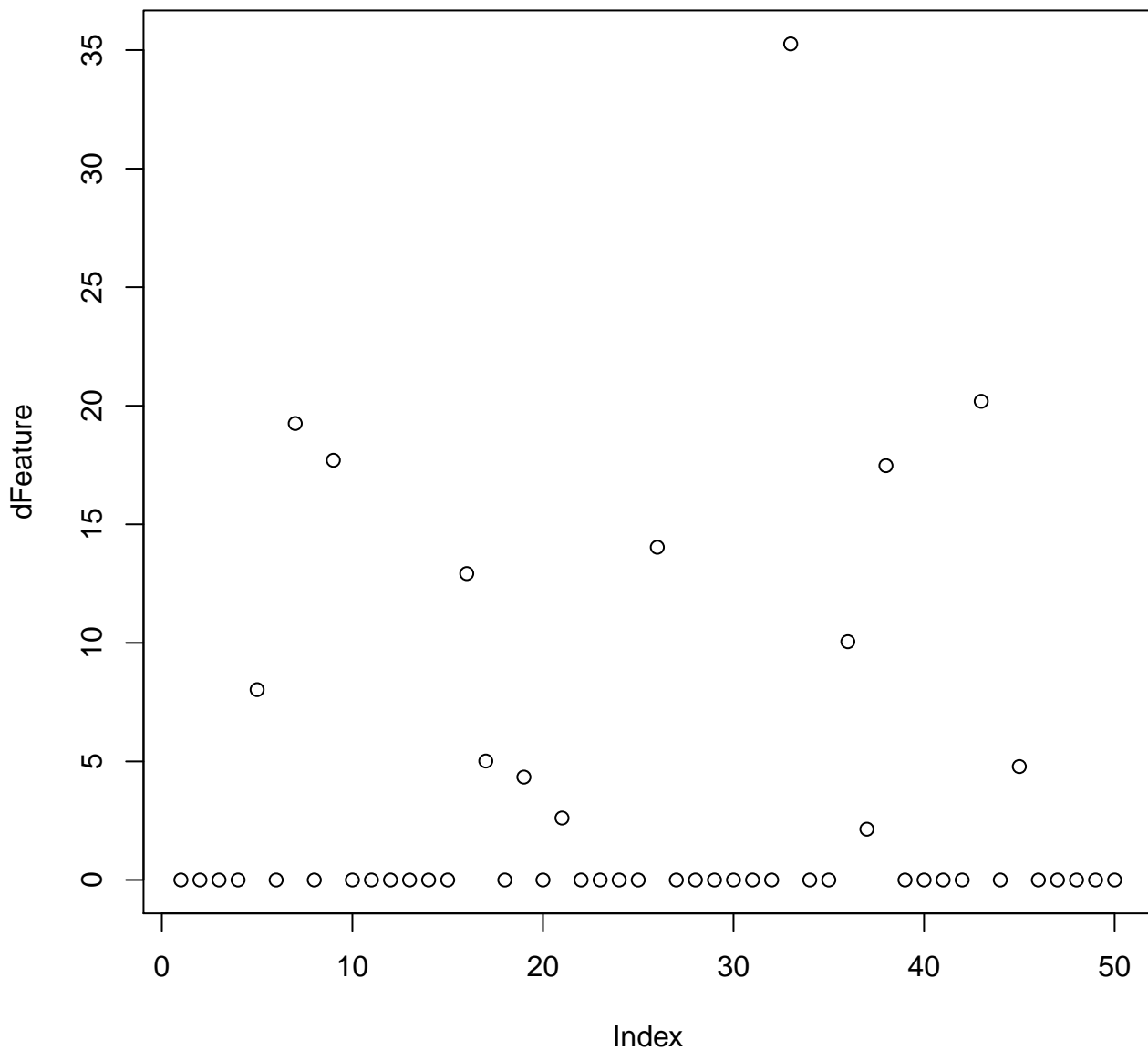
Check vdMu and vdSD pair



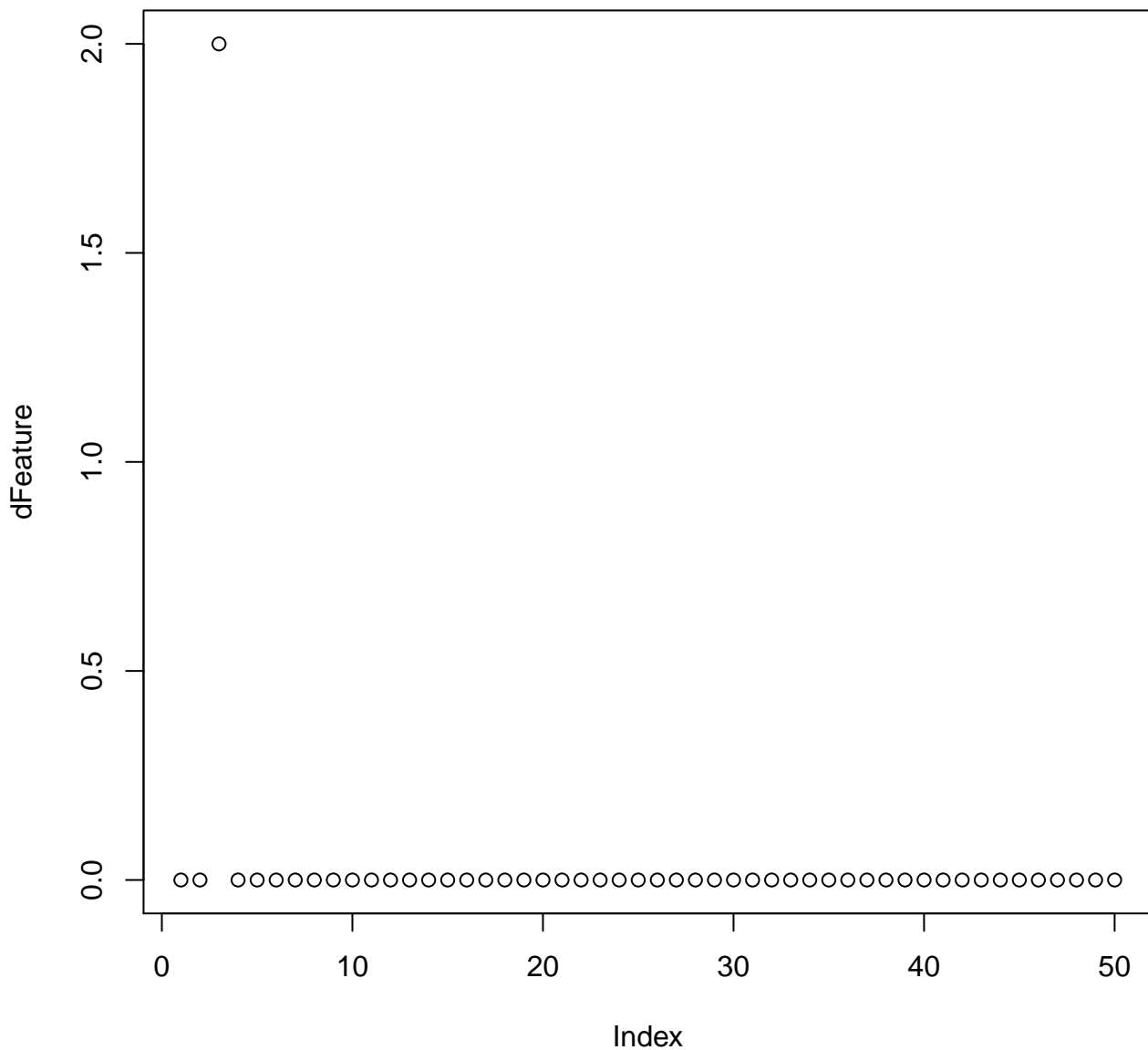
funcMakeFeature Mean (0.18) 0.42 SD(3.64) 2.57 Exp 0.42



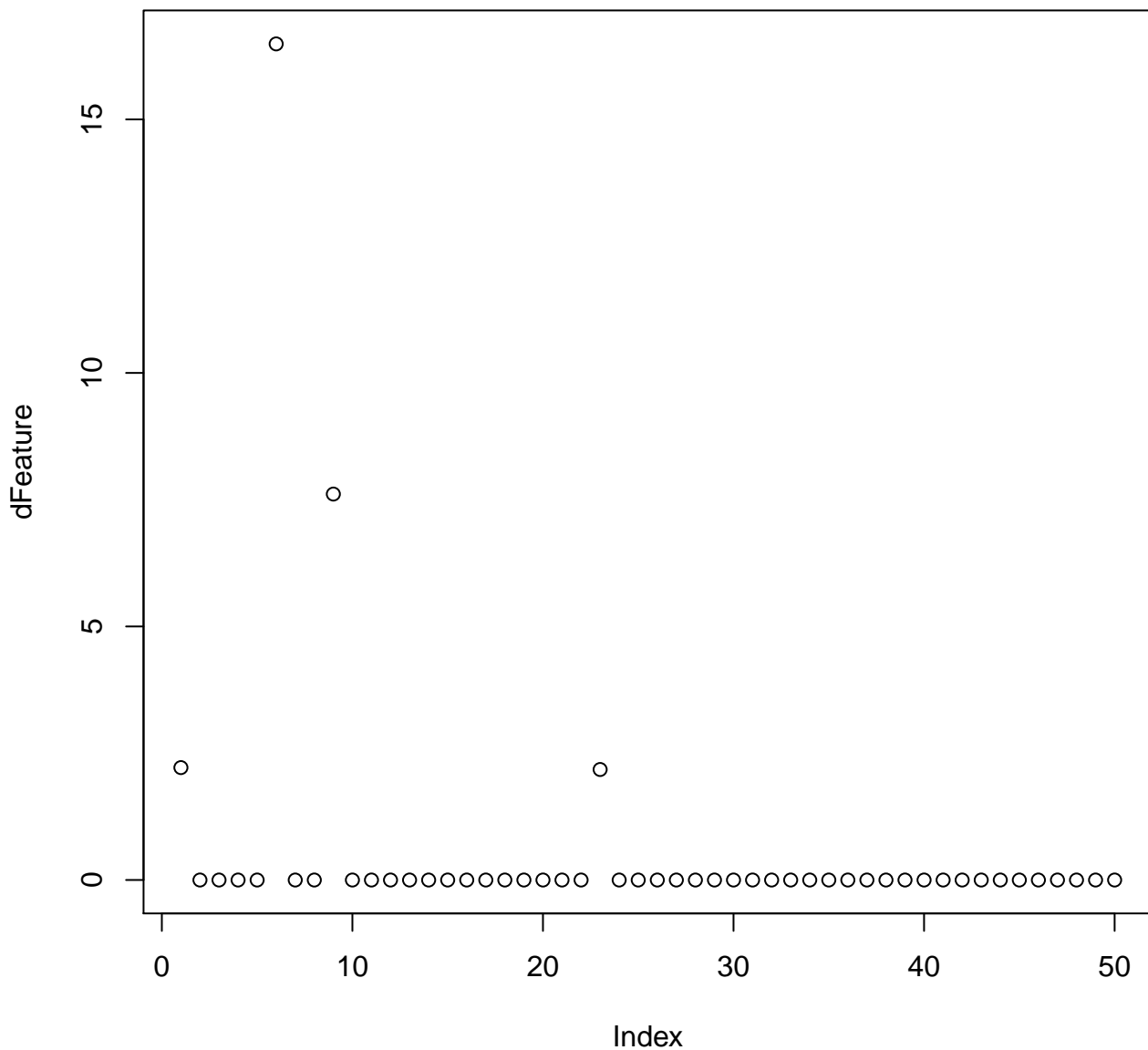
funcMakeFeature Mean (1.86) 3.48 SD(3.05) 0.84 Exp 3.46



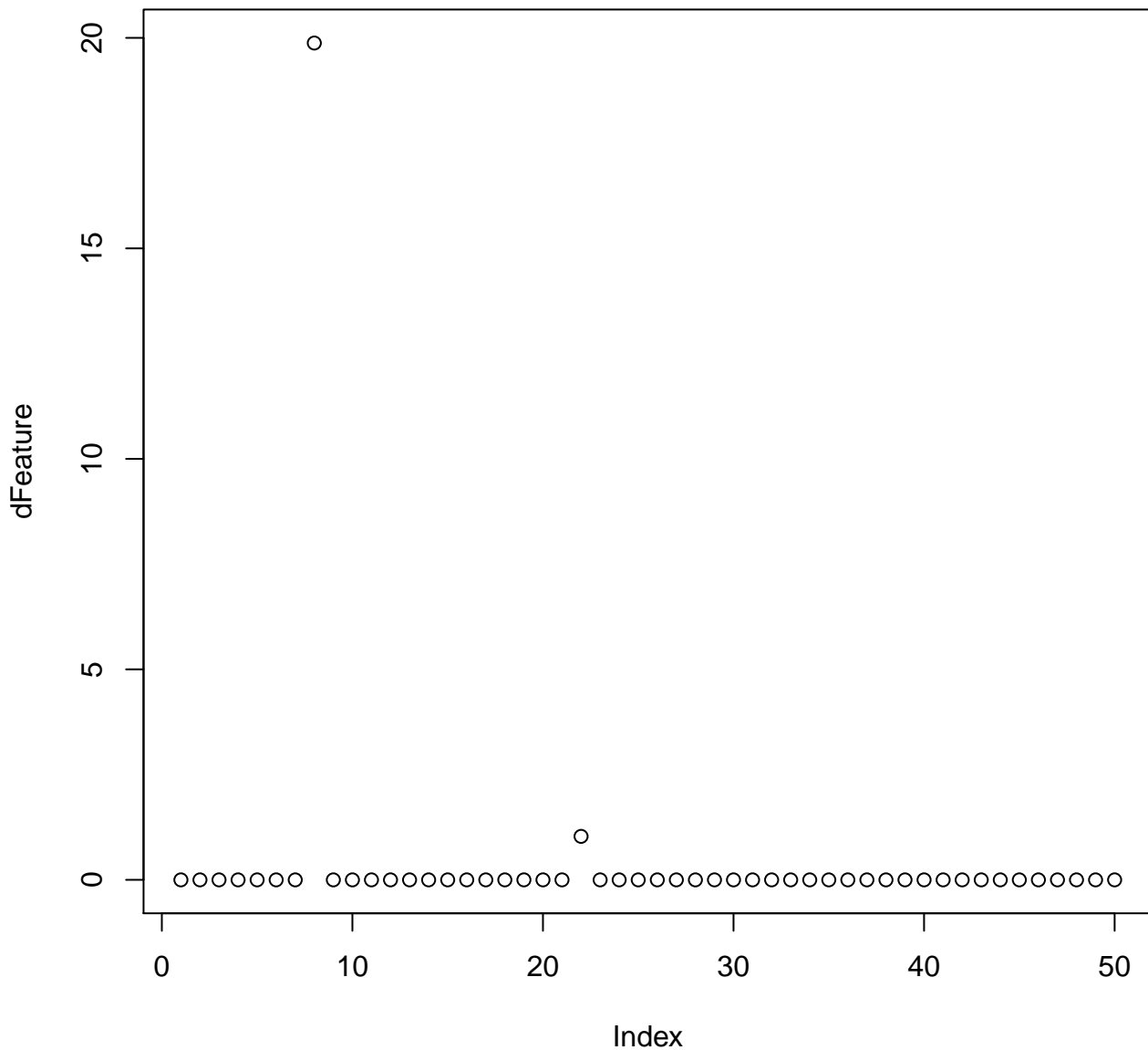
funcMakeFeature Mean (0.08) 0.04 SD(6.86) NA Exp 0.49



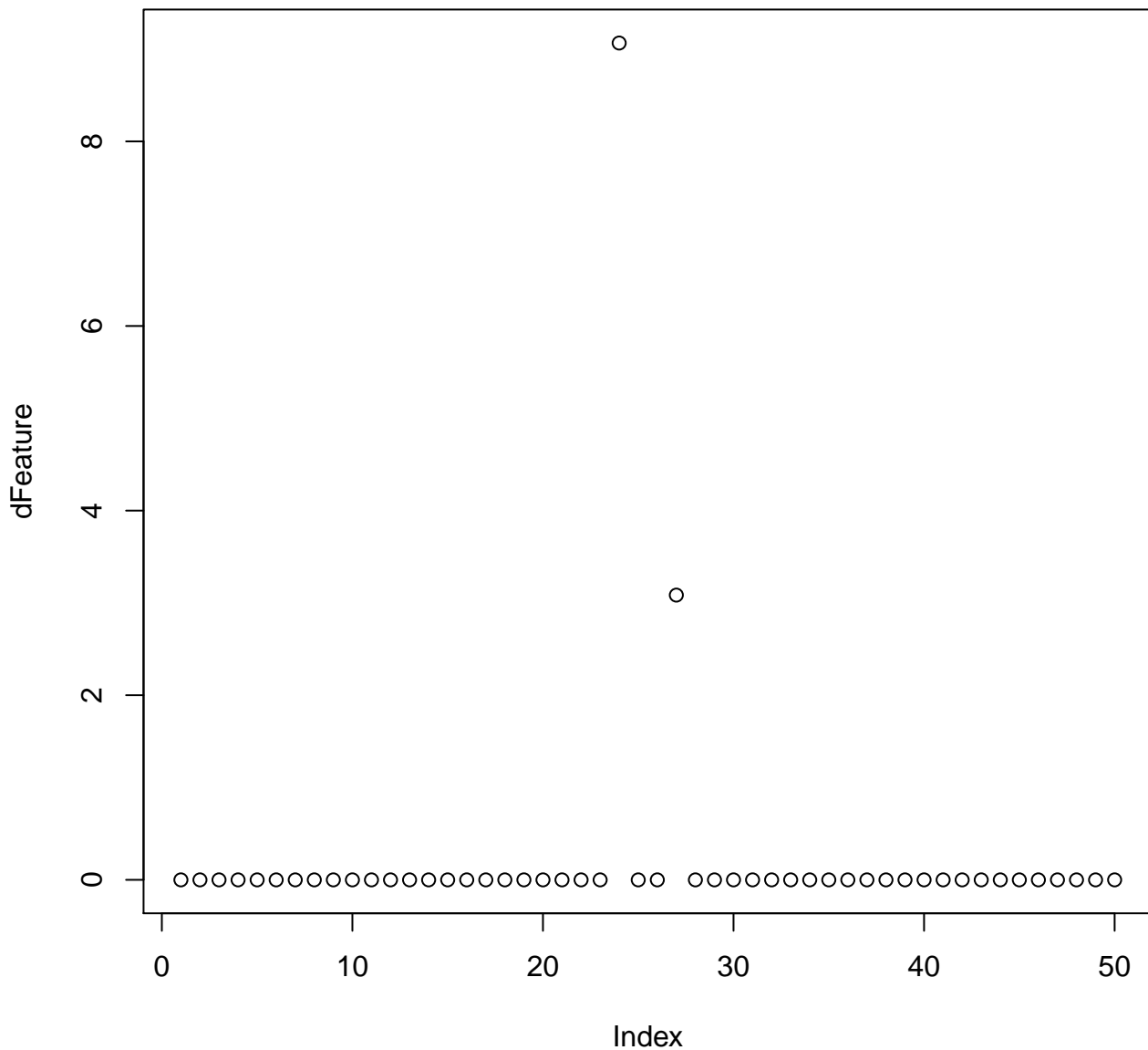
funcMakeFeature Mean (0.33) 0.57 SD(2.78) 0.99 Exp 0.56



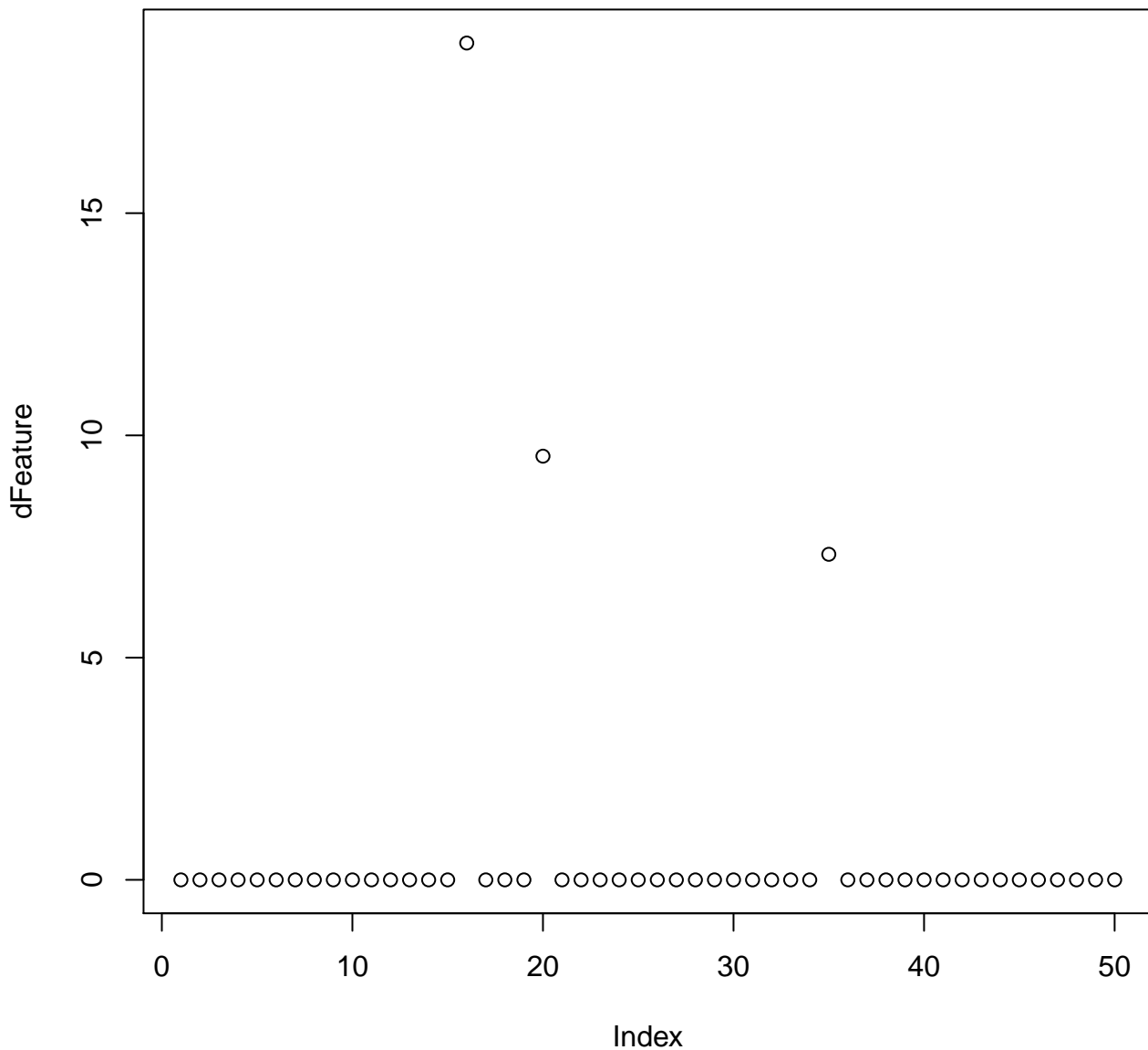
funcMakeFeature Mean (0.13) 0.42 SD(4.42) 2.09 Exp 0.4



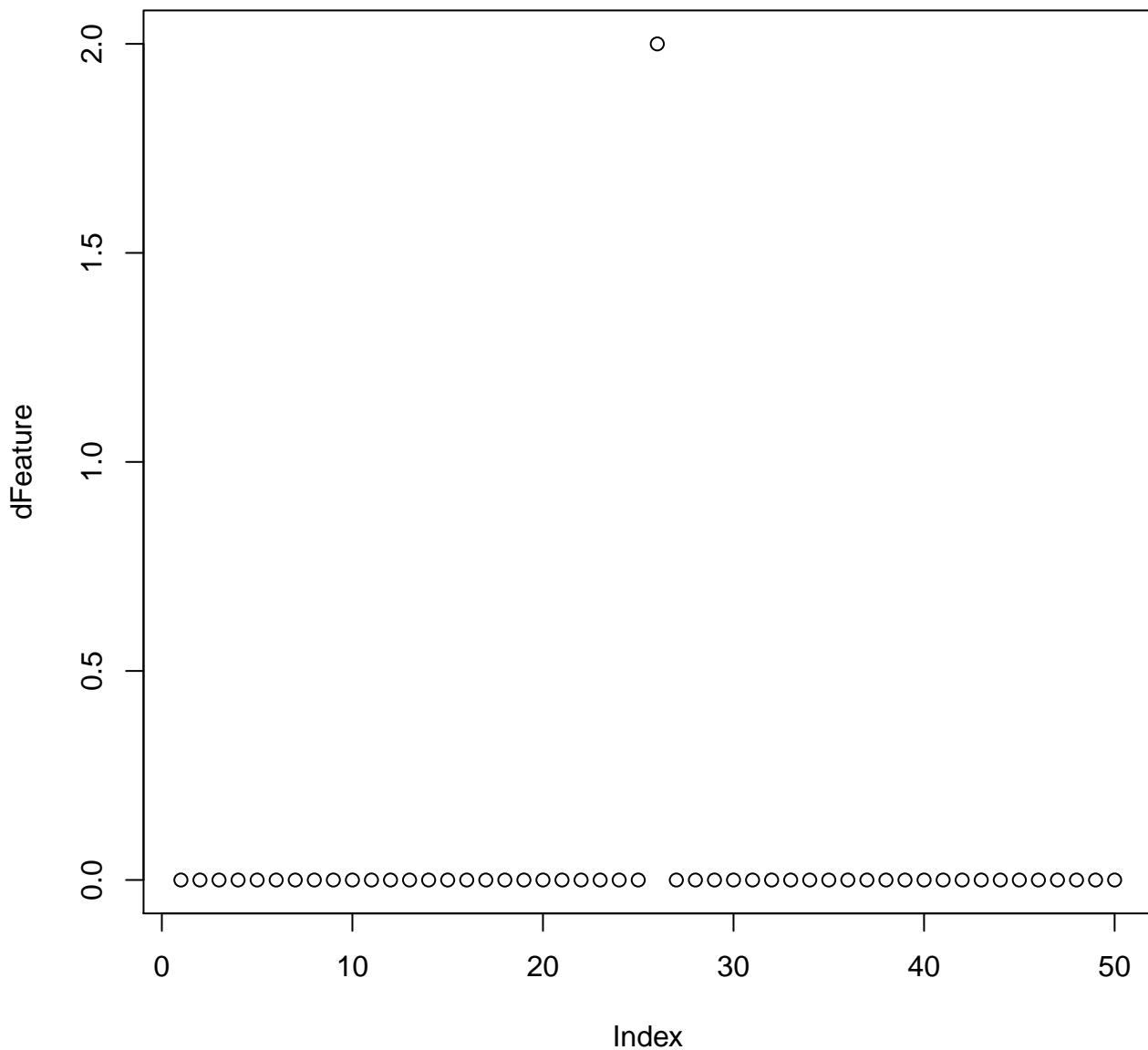
funcMakeFeature Mean (0.16) 0.24 SD(2.39) 0.76 Exp 0.24



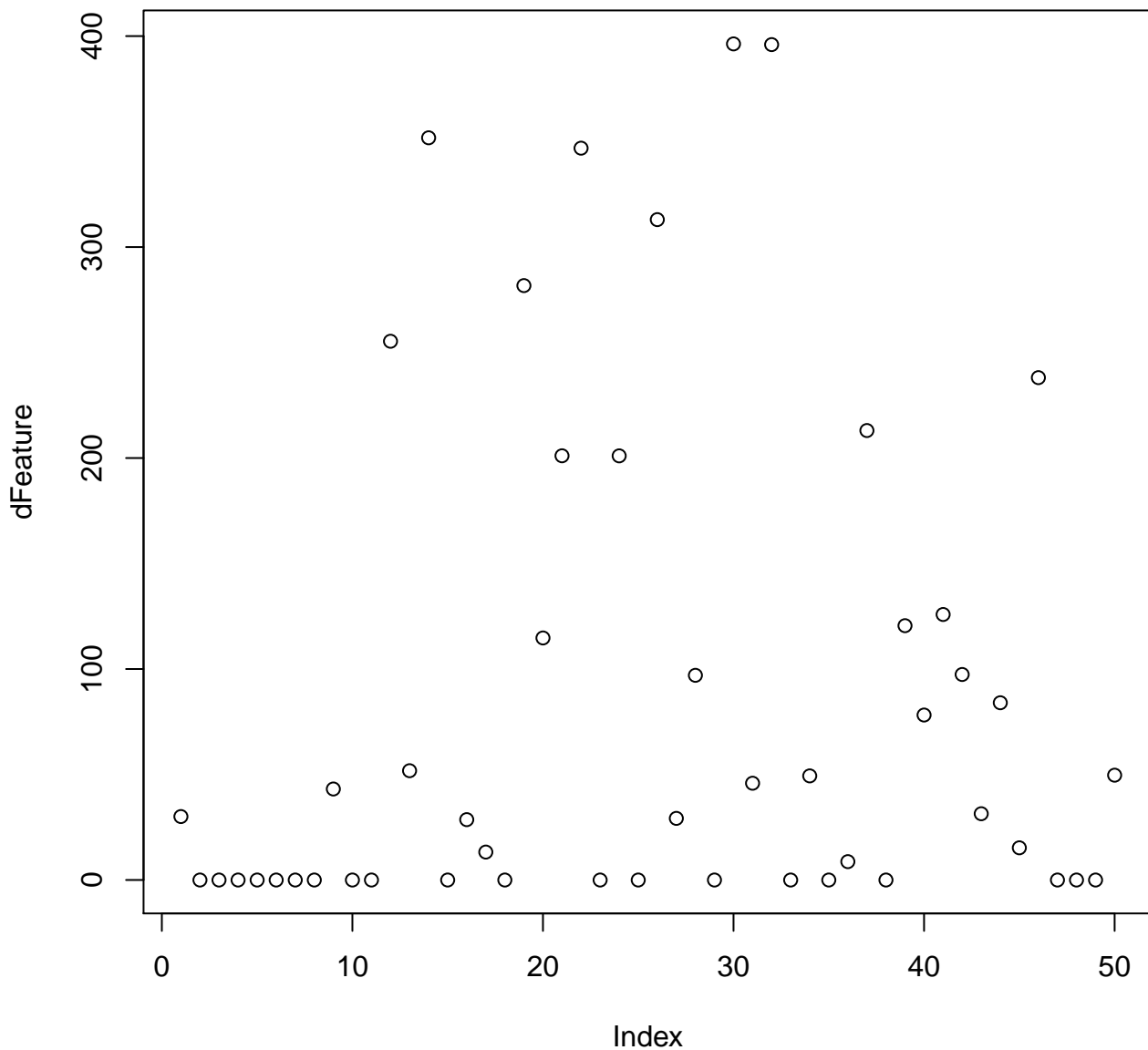
funcMakeFeature Mean (0.44) 0.71 SD(2.61) 0.49 Exp 0.7



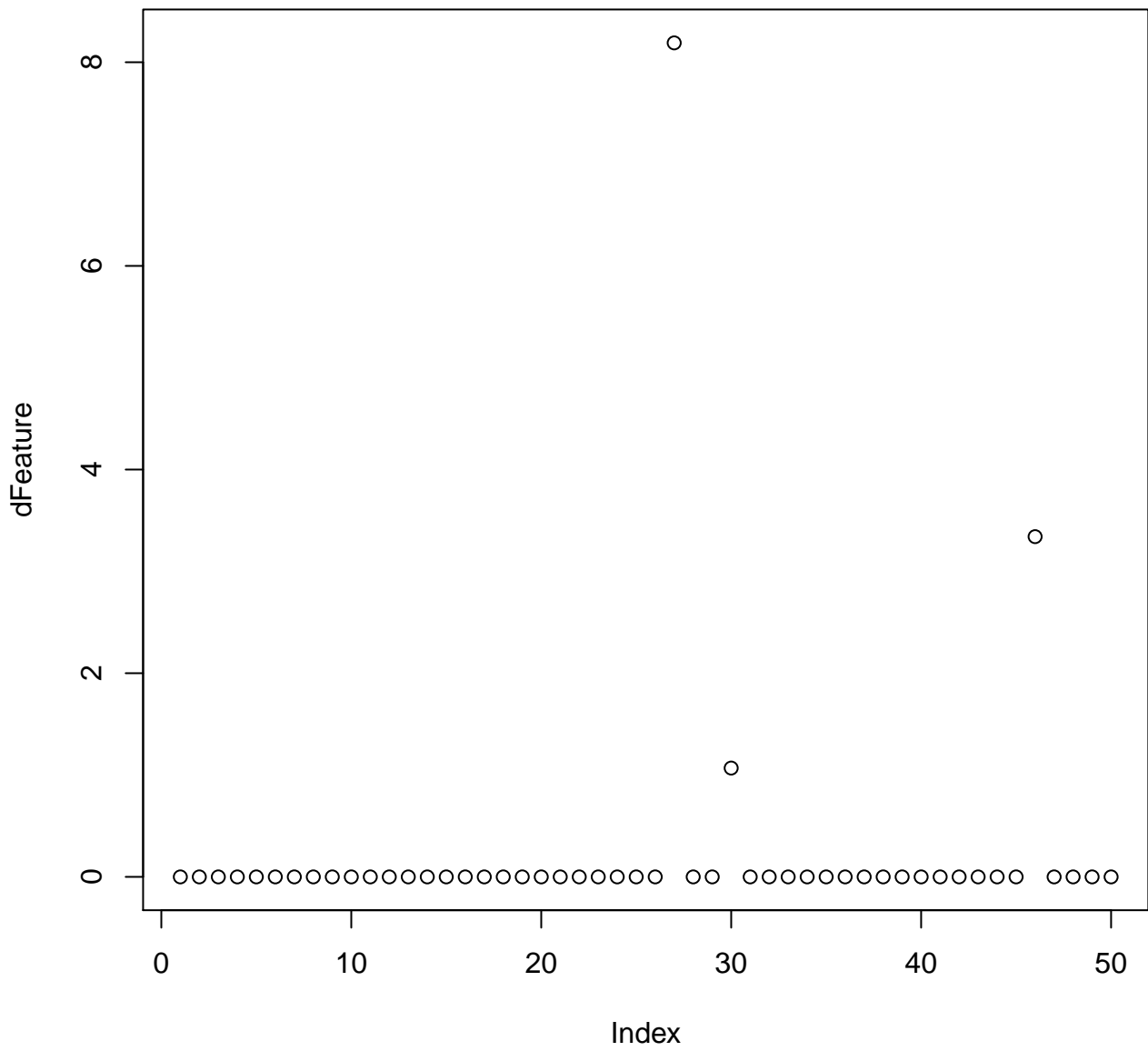
funcMakeFeature Mean (0.06) 0.04 SD(1.79) NA Exp 0.07



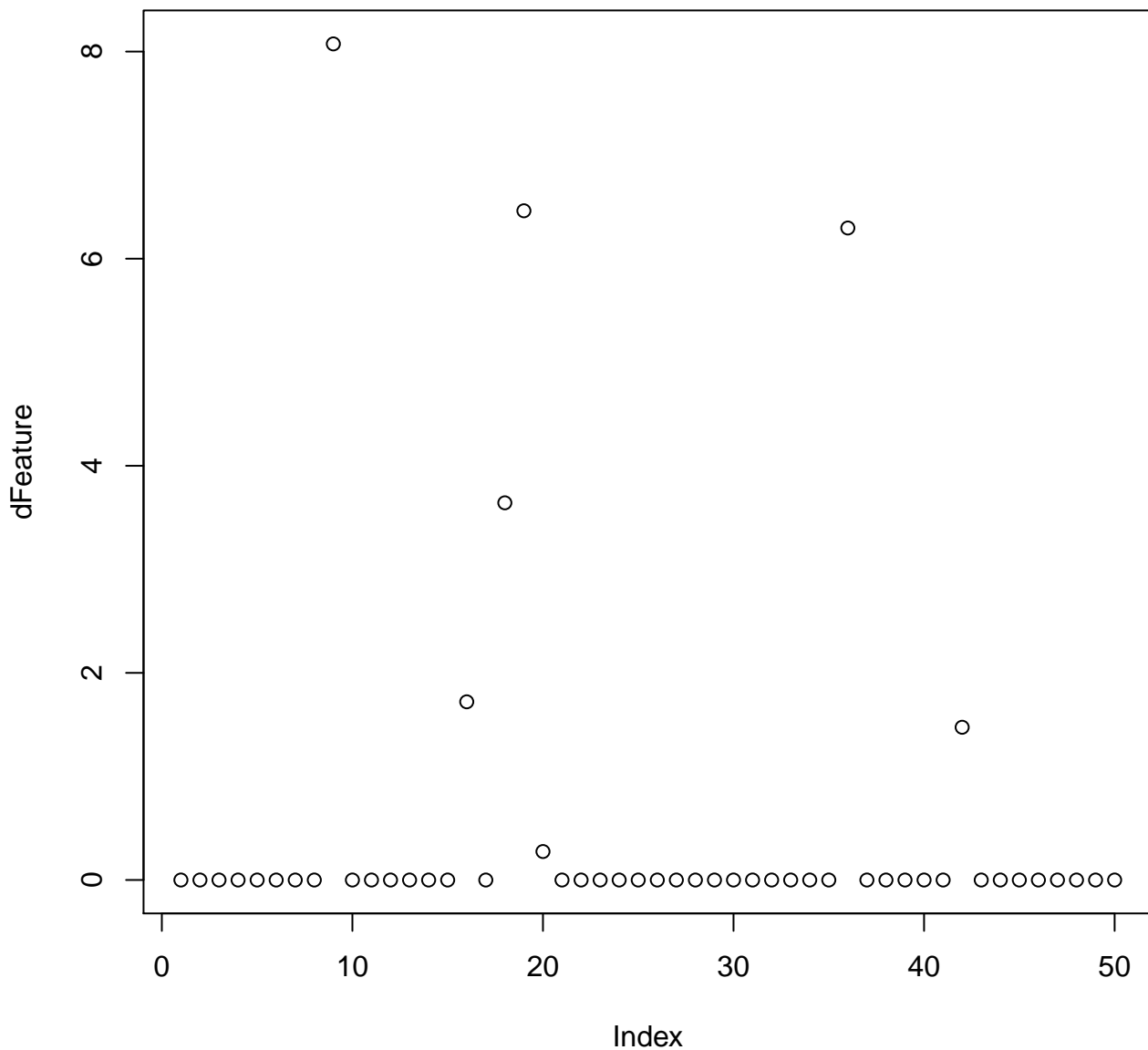
funcMakeFeature Mean (17.25) 86.17 SD(6.01) 1.09 Exp 86.15



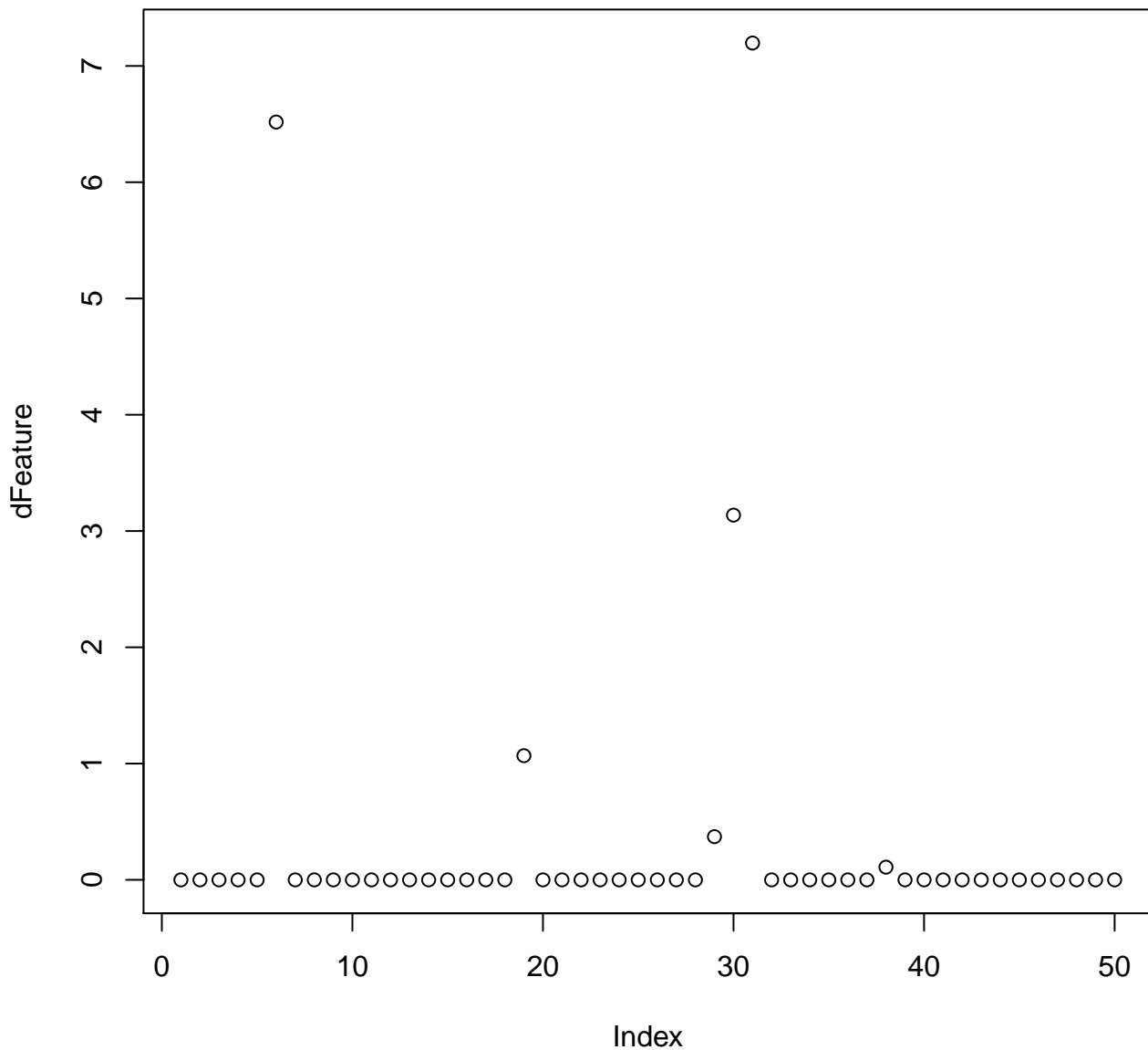
funcMakeFeature Mean (0.2) 0.25 SD(1.95) 1.02 Exp 0.25



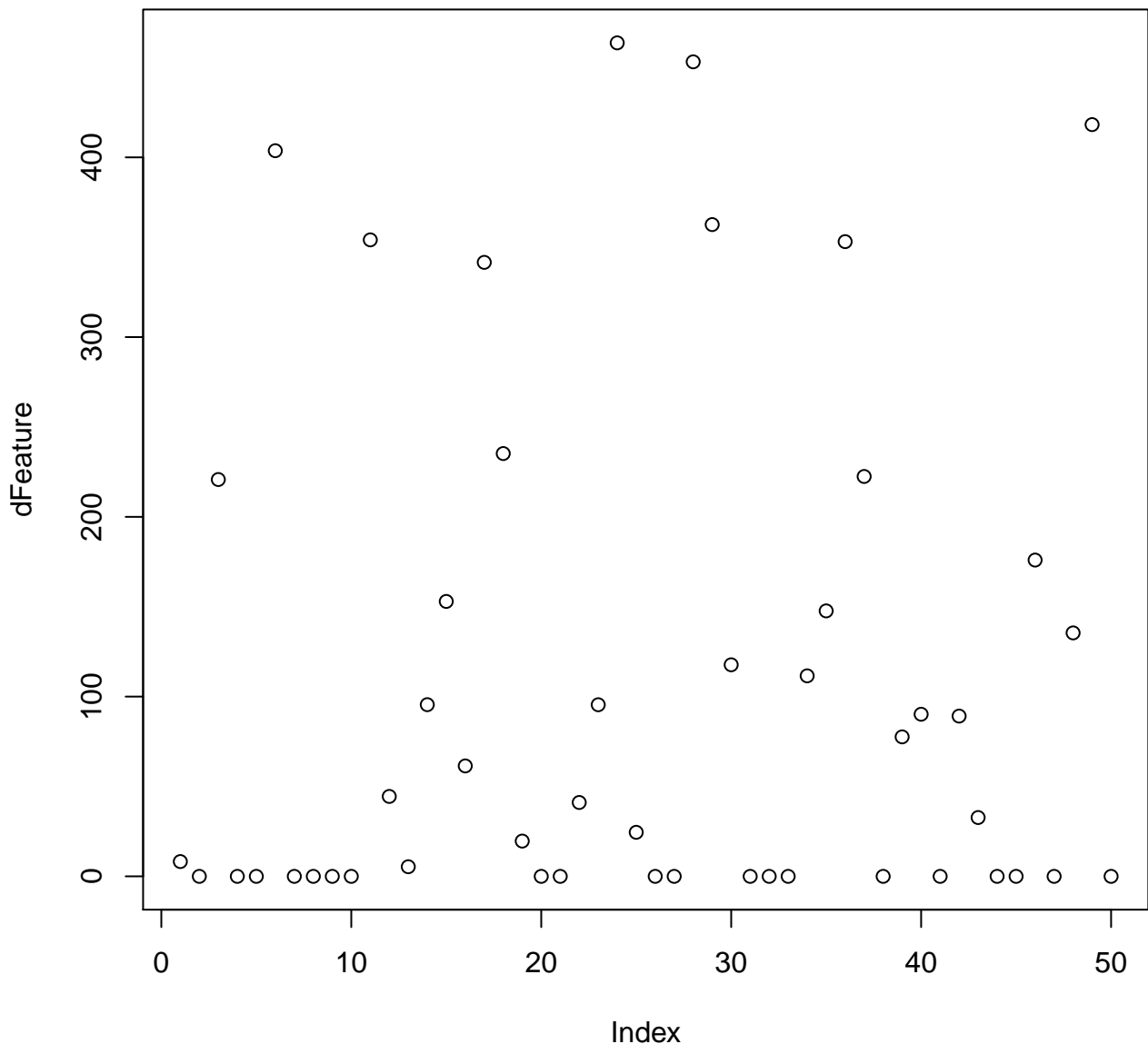
funcMakeFeature Mean (0.46) 0.56 SD(1.82) 1.19 Exp 0.55



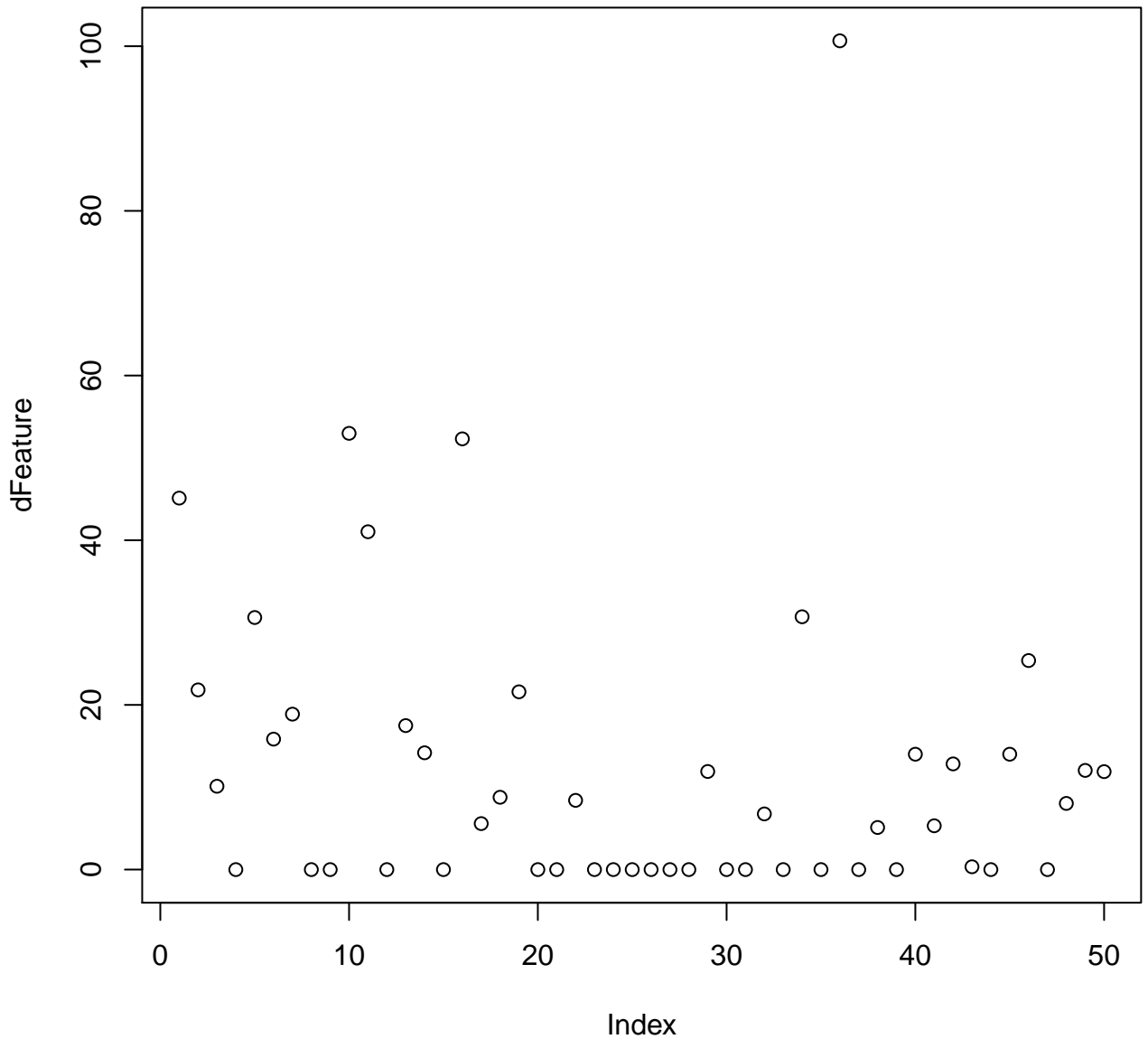
funcMakeFeature Mean (0.25) 0.37 SD(2.35) 1.68 Exp 0.36



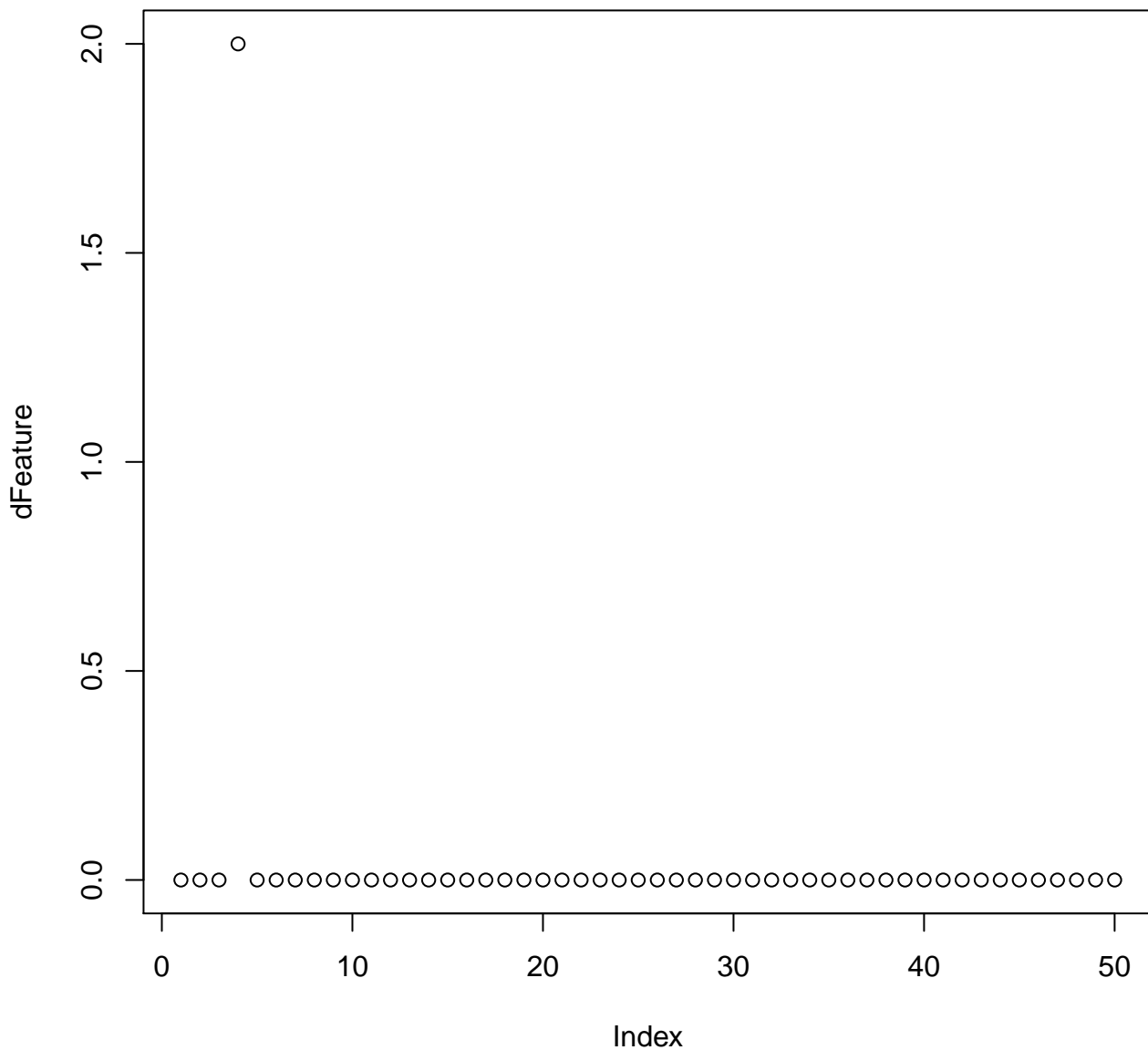
funcMakeFeature Mean (24.12) 107.11 SD(5.62) 1.17 Exp 107.1



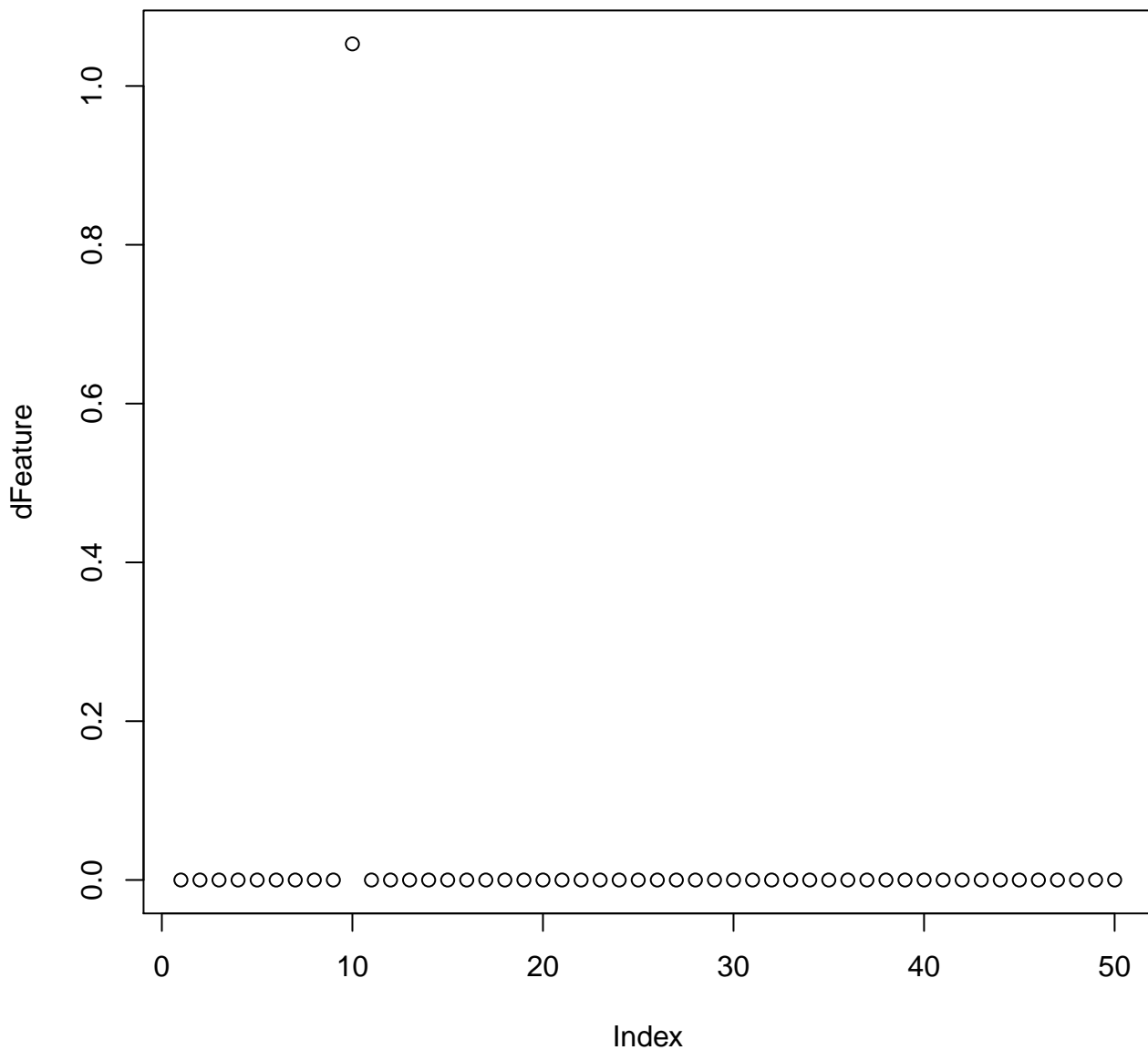
funcMakeFeature Mean (5.63) 12.48 SD(3.53) 1.04 Exp 12.47



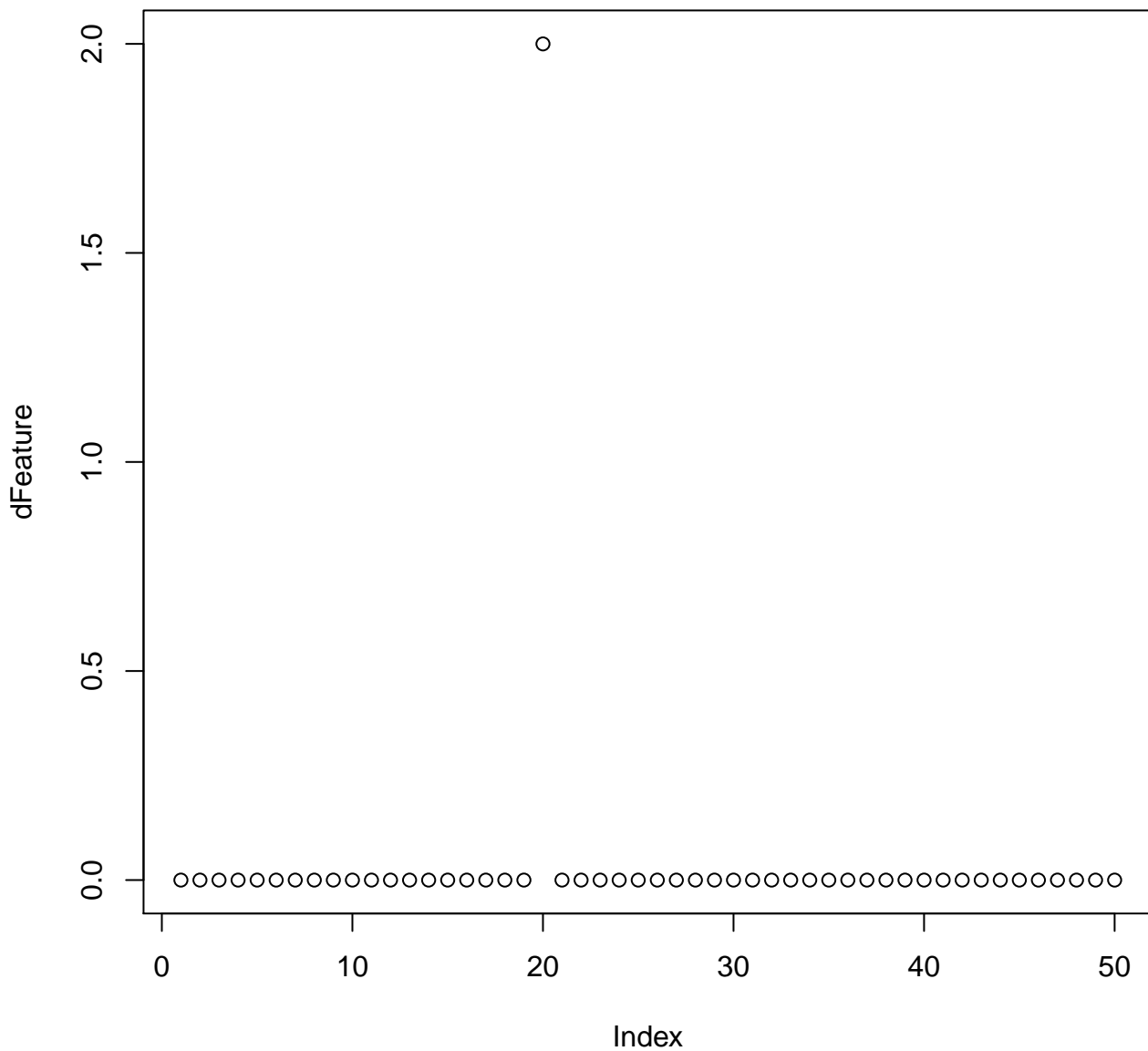
funcMakeFeature Mean (0.32) 0.04 SD(2.09) NA Exp 0.42



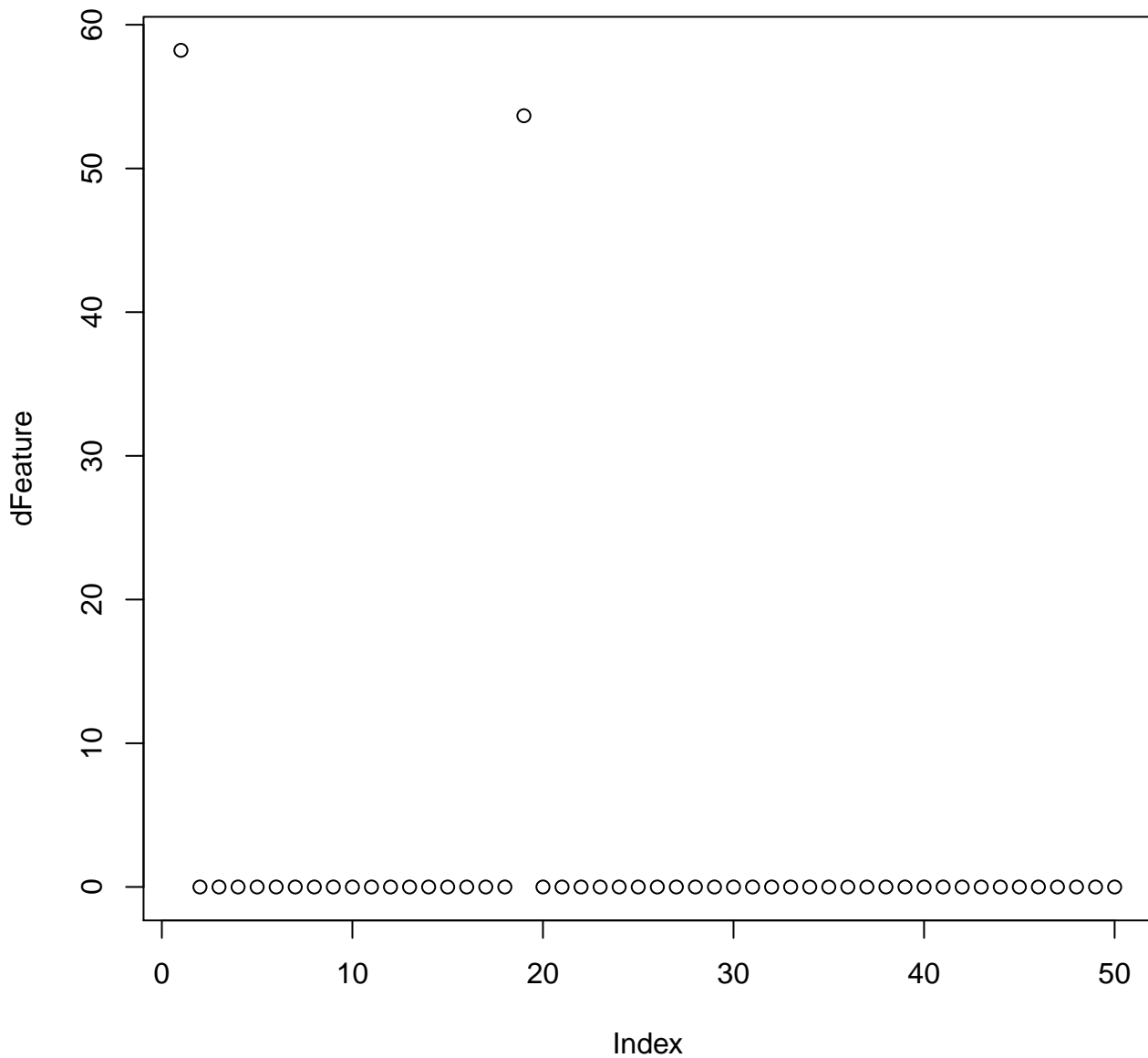
funcMakeFeature Mean (0.13) 0.02 SD(2.5) NA Exp 0.2



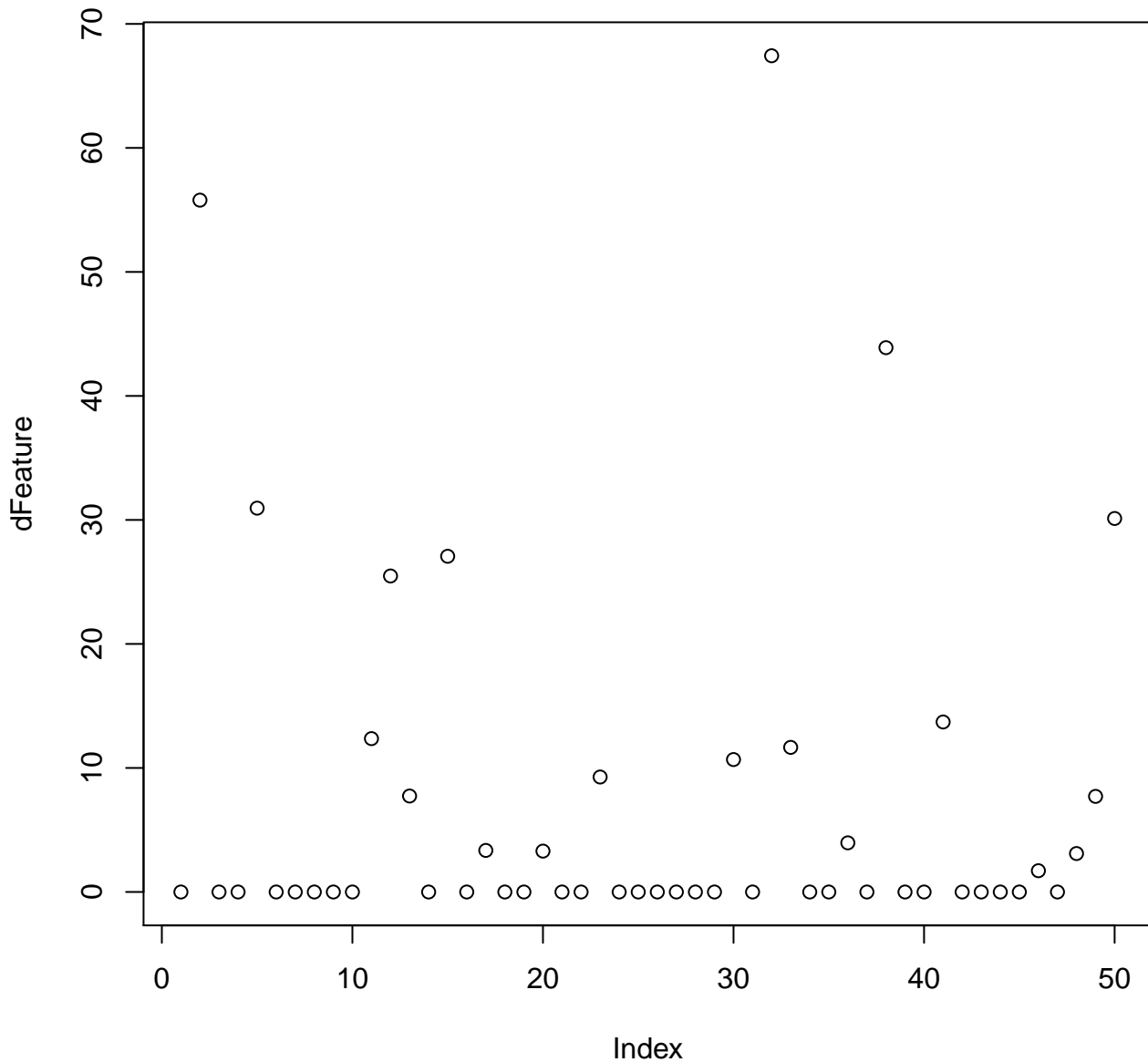
funcMakeFeature Mean (0.06) 0.04 SD(2.05) NA Exp 0.08



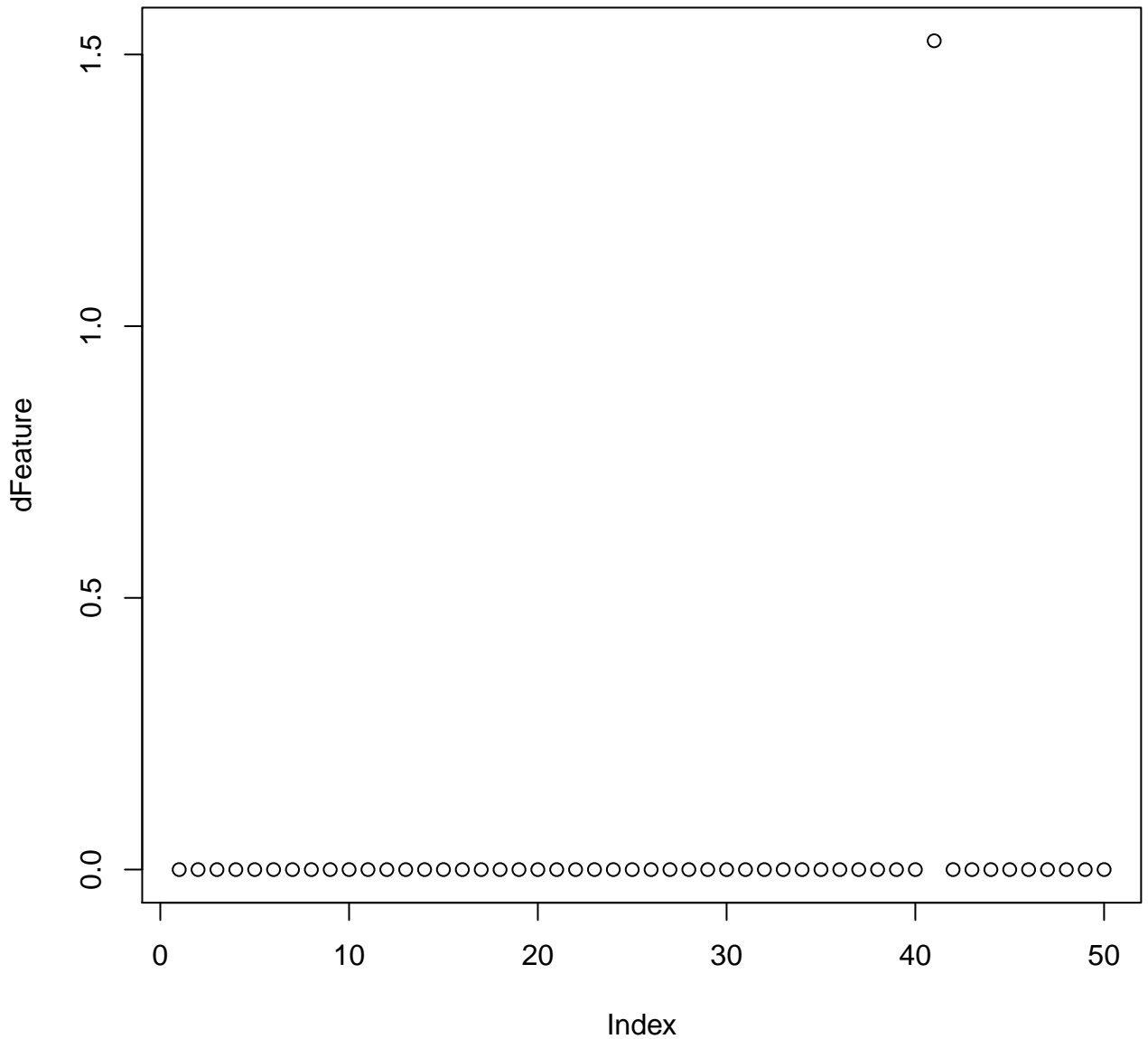
funcMakeFeature Mean (0.88) 2.24 SD(3.91) 0.06 Exp 2.22



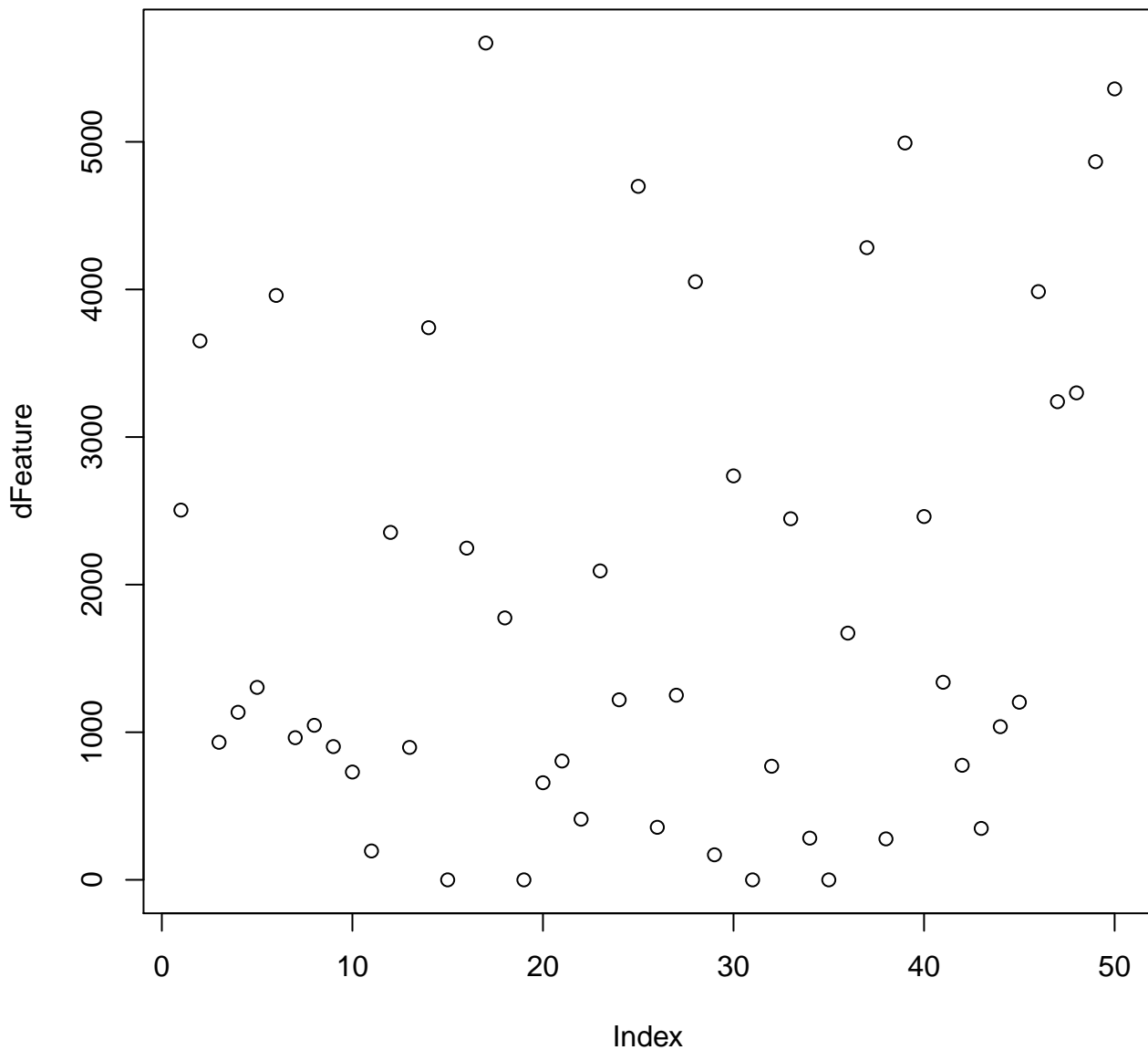
funcMakeFeature Mean (3.4) 7.39 SD(3.47) 1.07 Exp 7.37



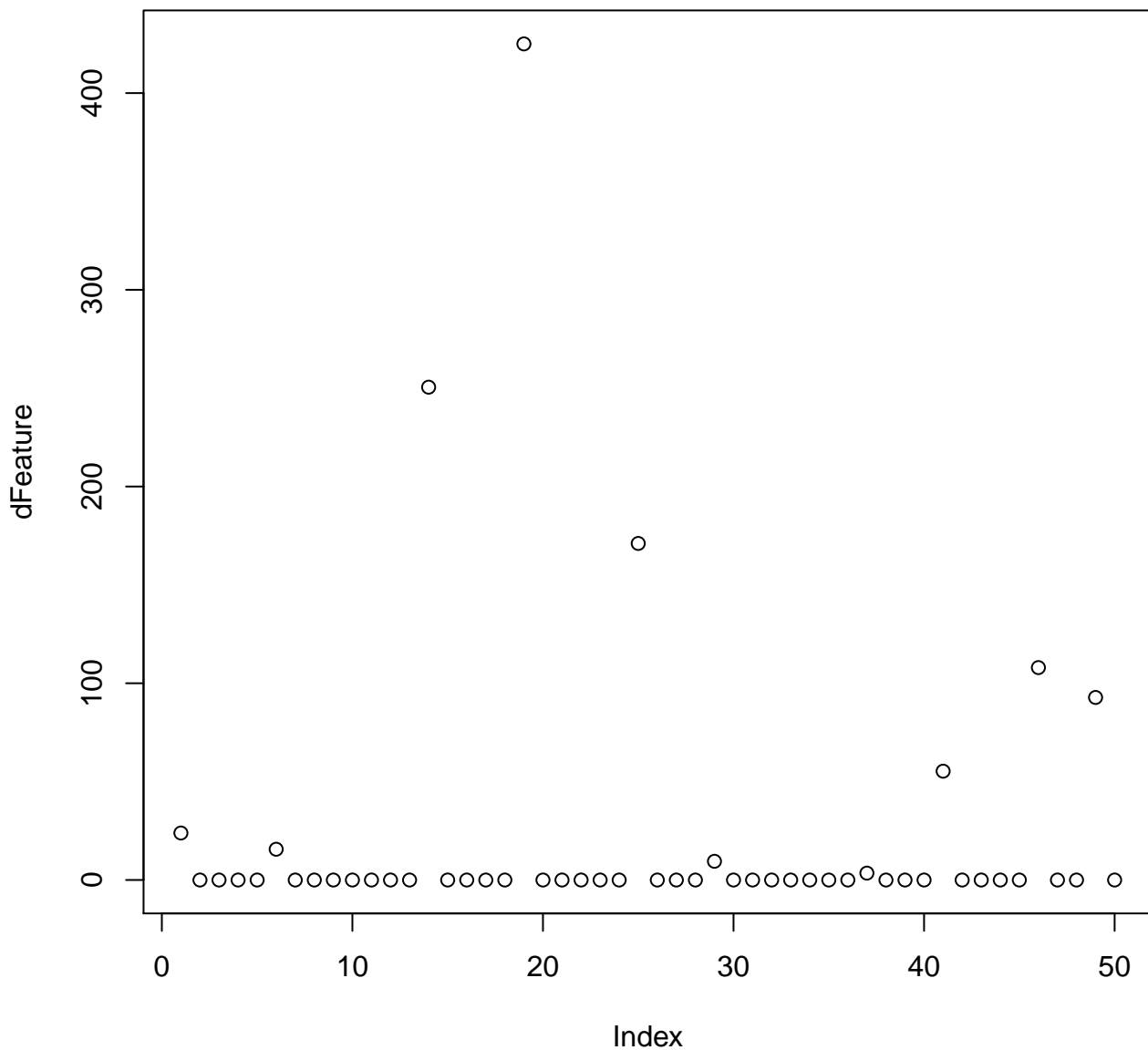
funcMakeFeature Mean (0.17) 0.03 SD(1.74) NA Exp 0.2



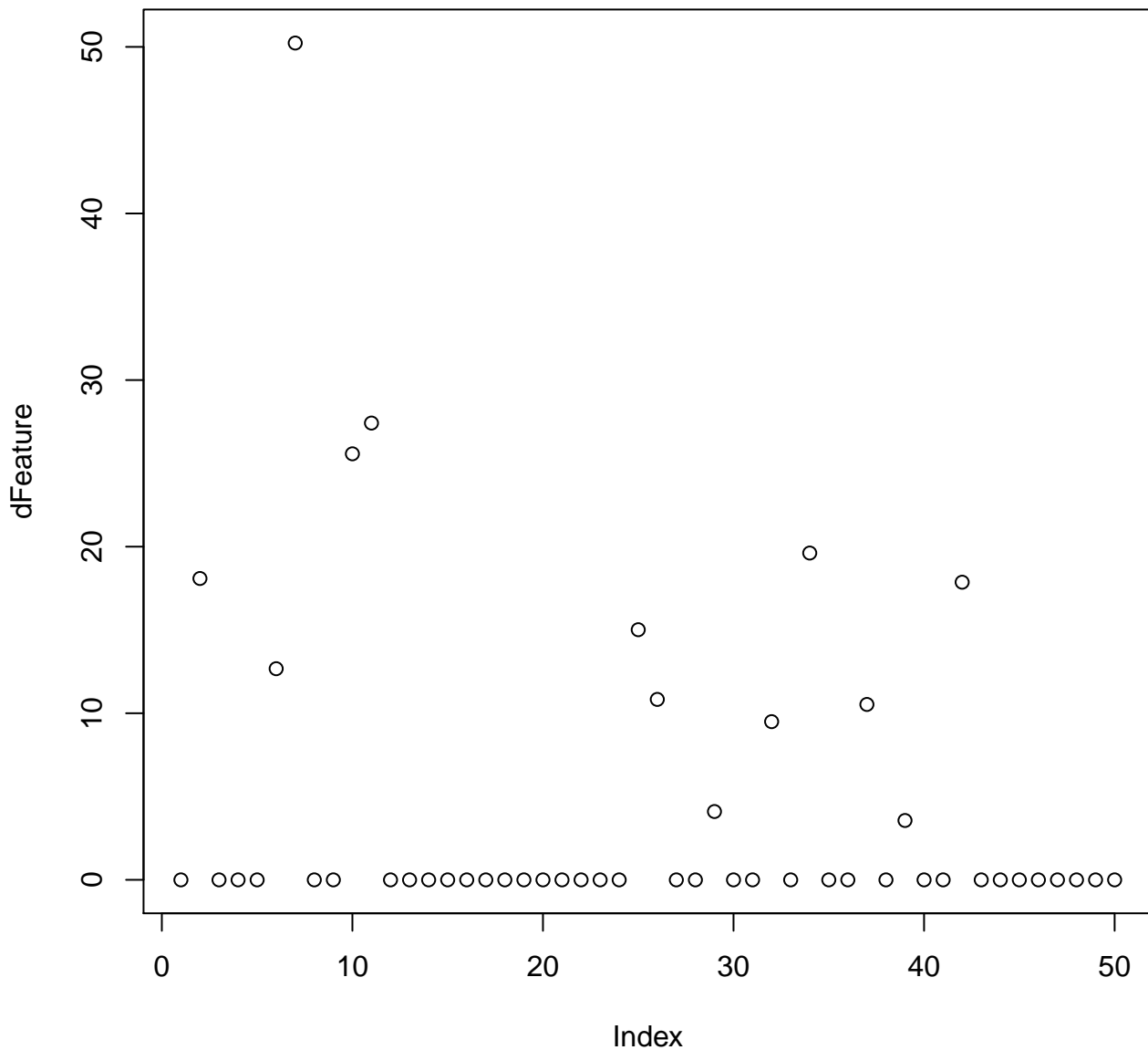
funcMakeFeature Mean (442.71) 1902.02 SD(5.52) 0.95 Exp 1902



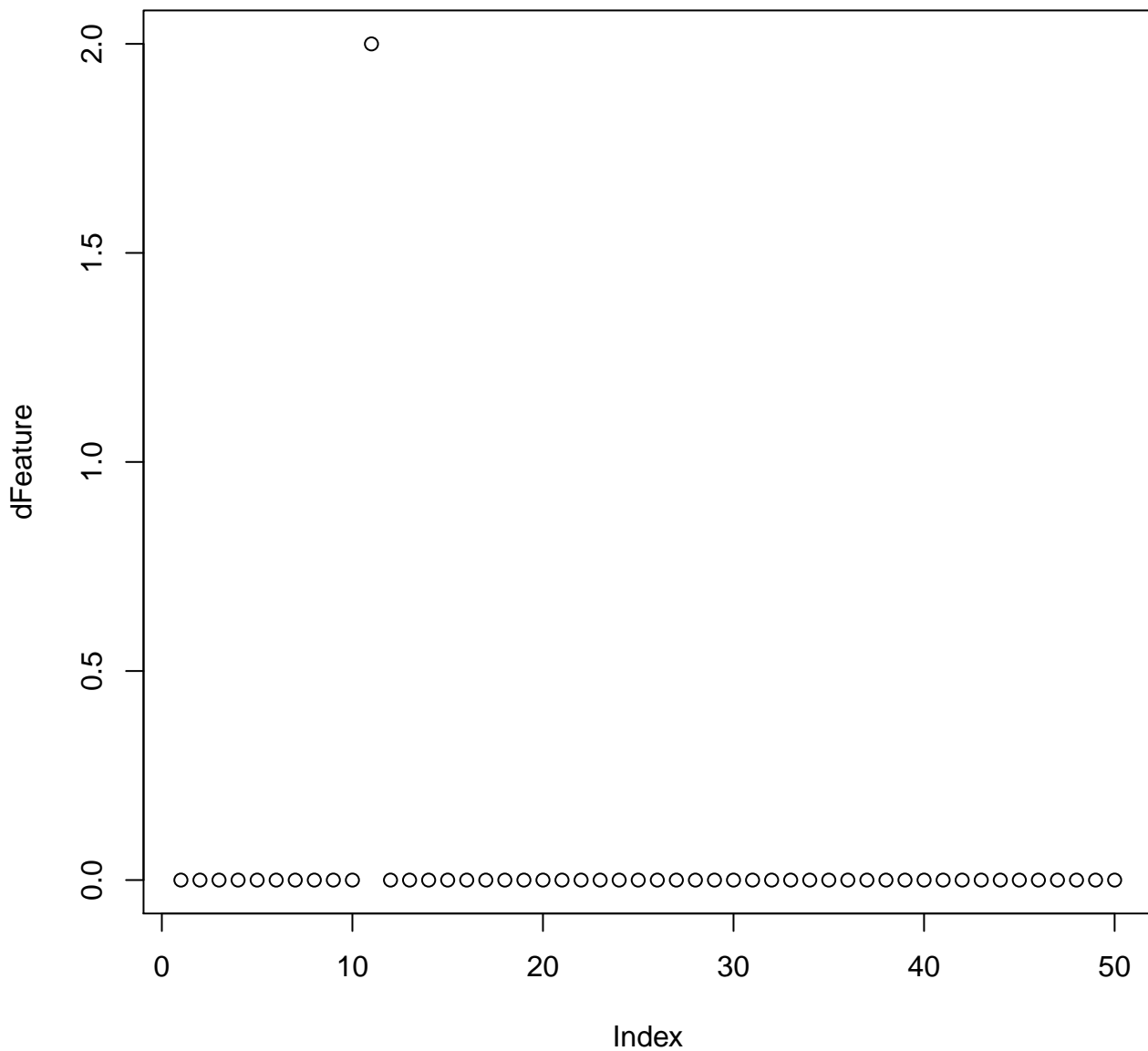
funcMakeFeature Mean (7.52) 23.1 SD(4.47) 1.54 Exp 23.09



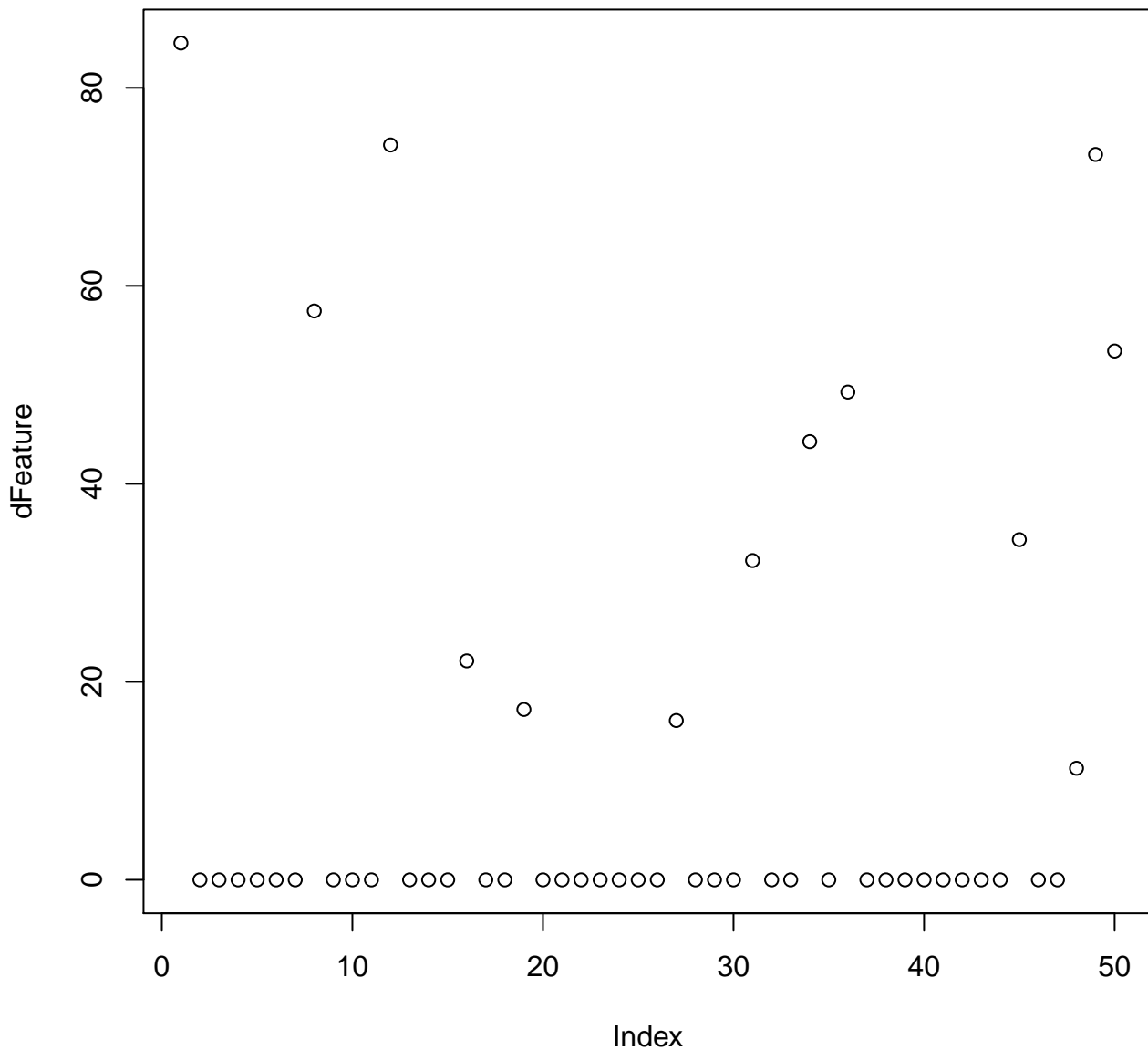
funcMakeFeature Mean (2.44) 4.5 SD(3.02) 0.73 Exp 4.5



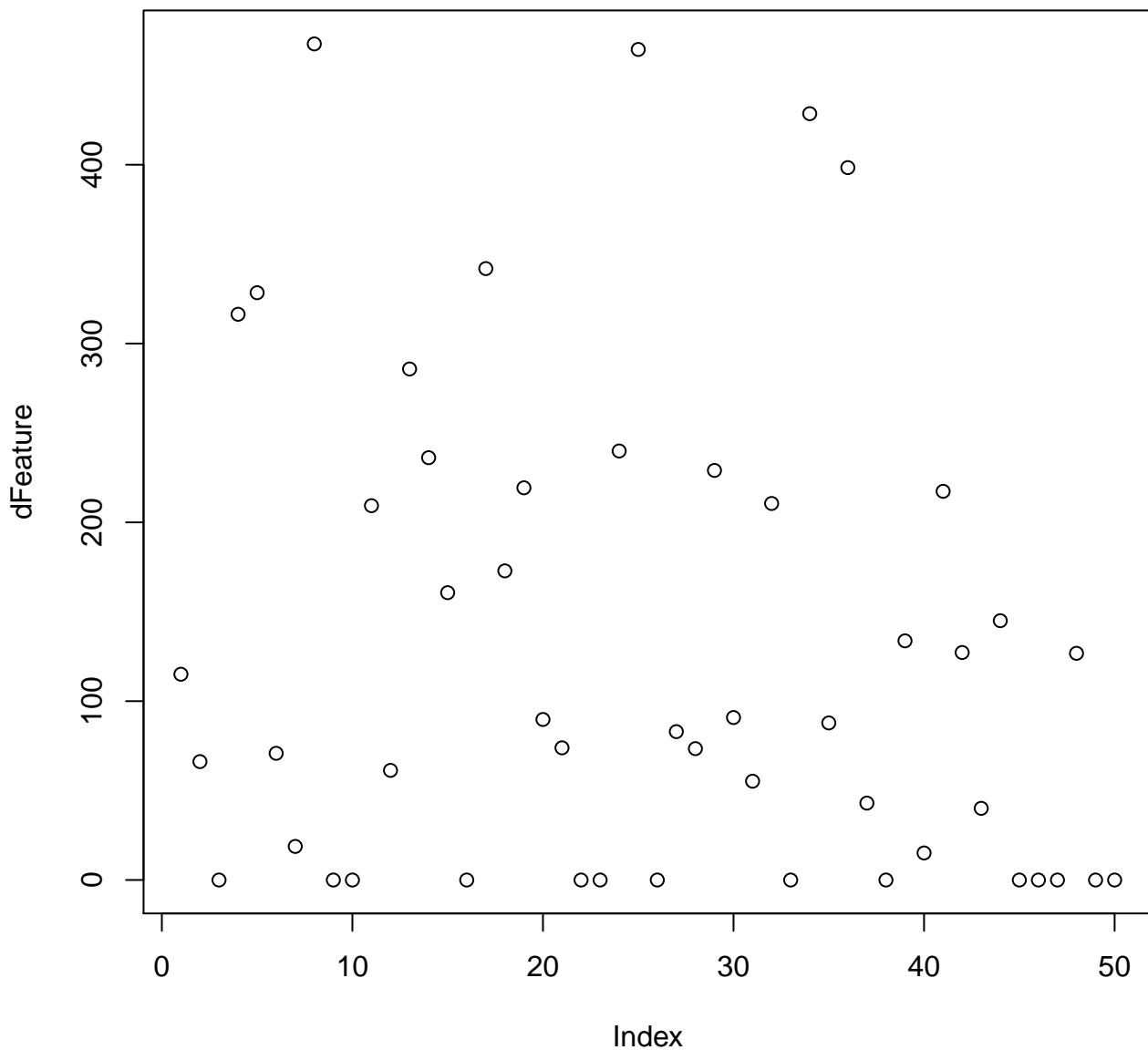
funcMakeFeature Mean (0.18) 0.04 SD(6.45) NA Exp 1.04



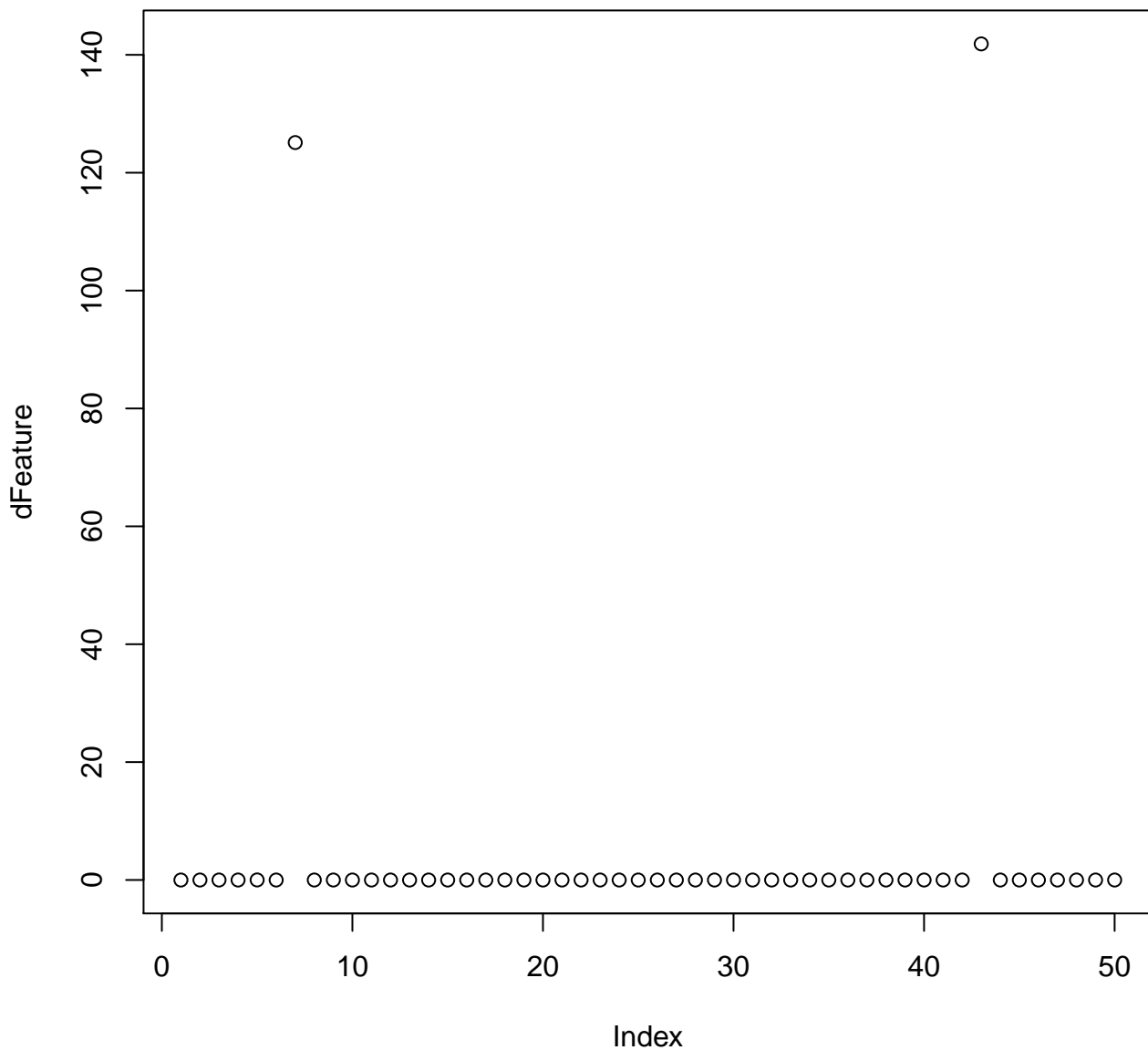
funcMakeFeature Mean (5.95) 11.4 SD(3.12) 0.65 Exp 11.38



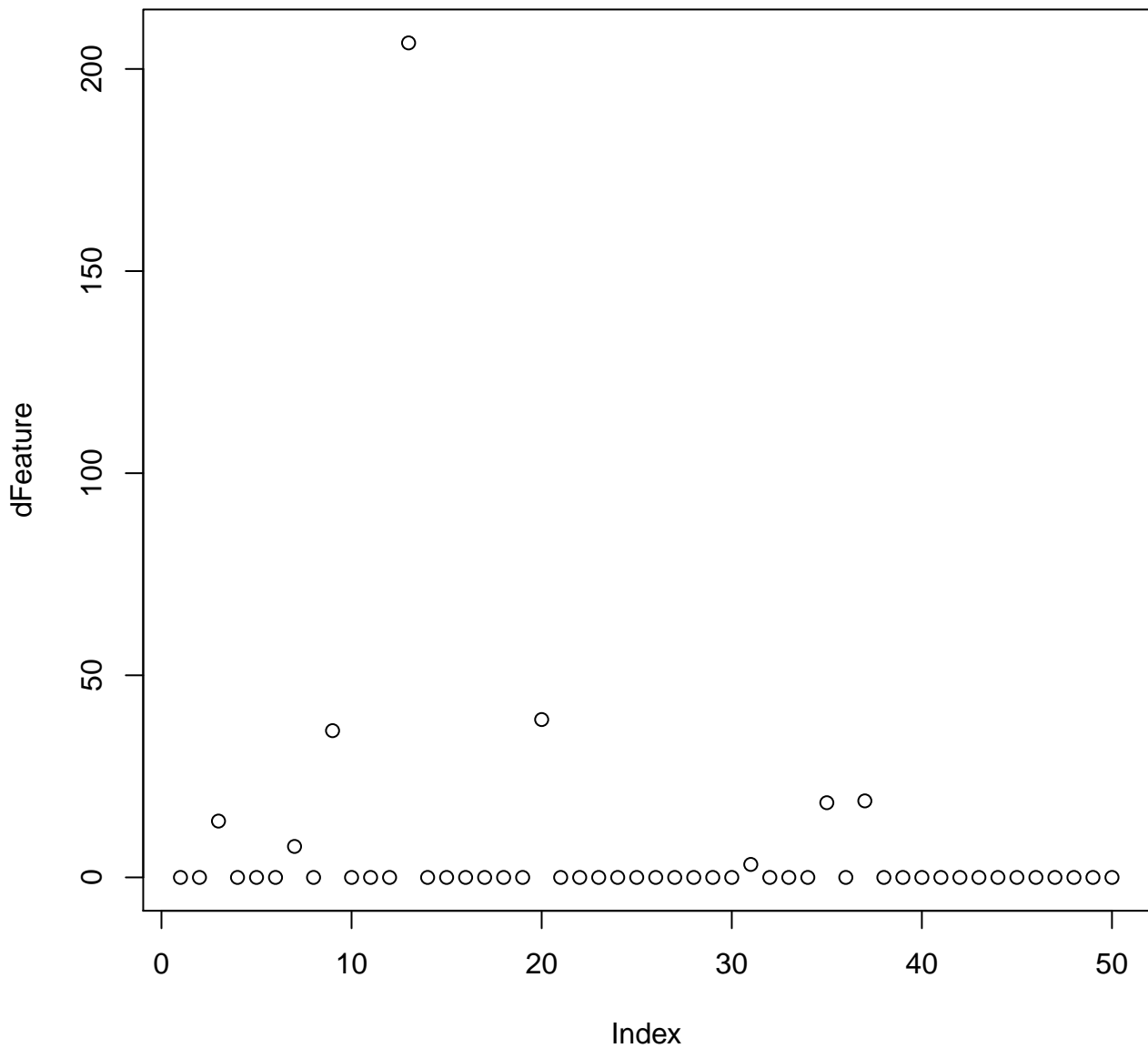
funcMakeFeature Mean (42.89) 128.88 SD(4.41) 0.86 Exp 128.87



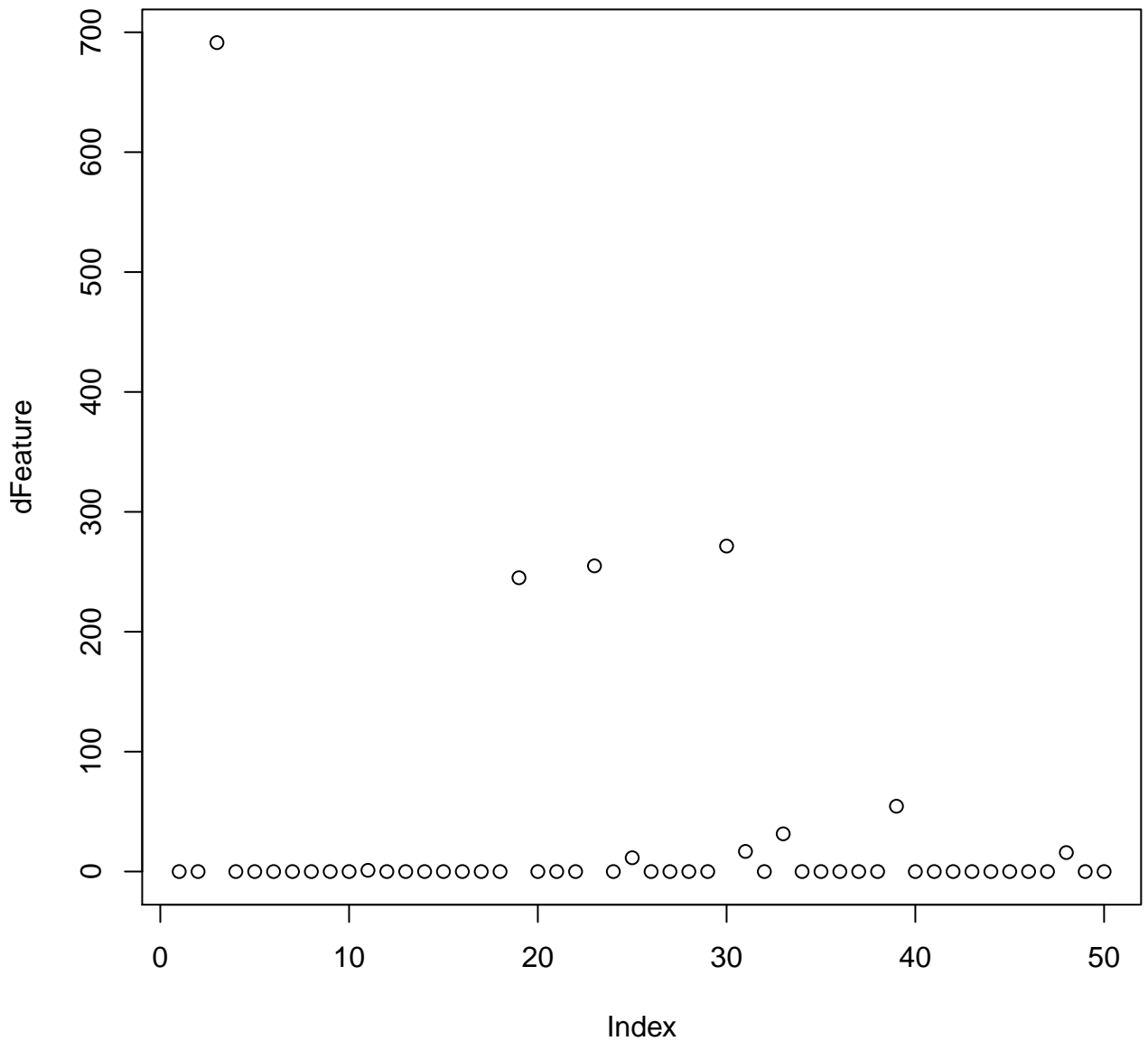
funcMakeFeature Mean (1.68) 5.34 SD(4.58) 5.38 Exp 5.33



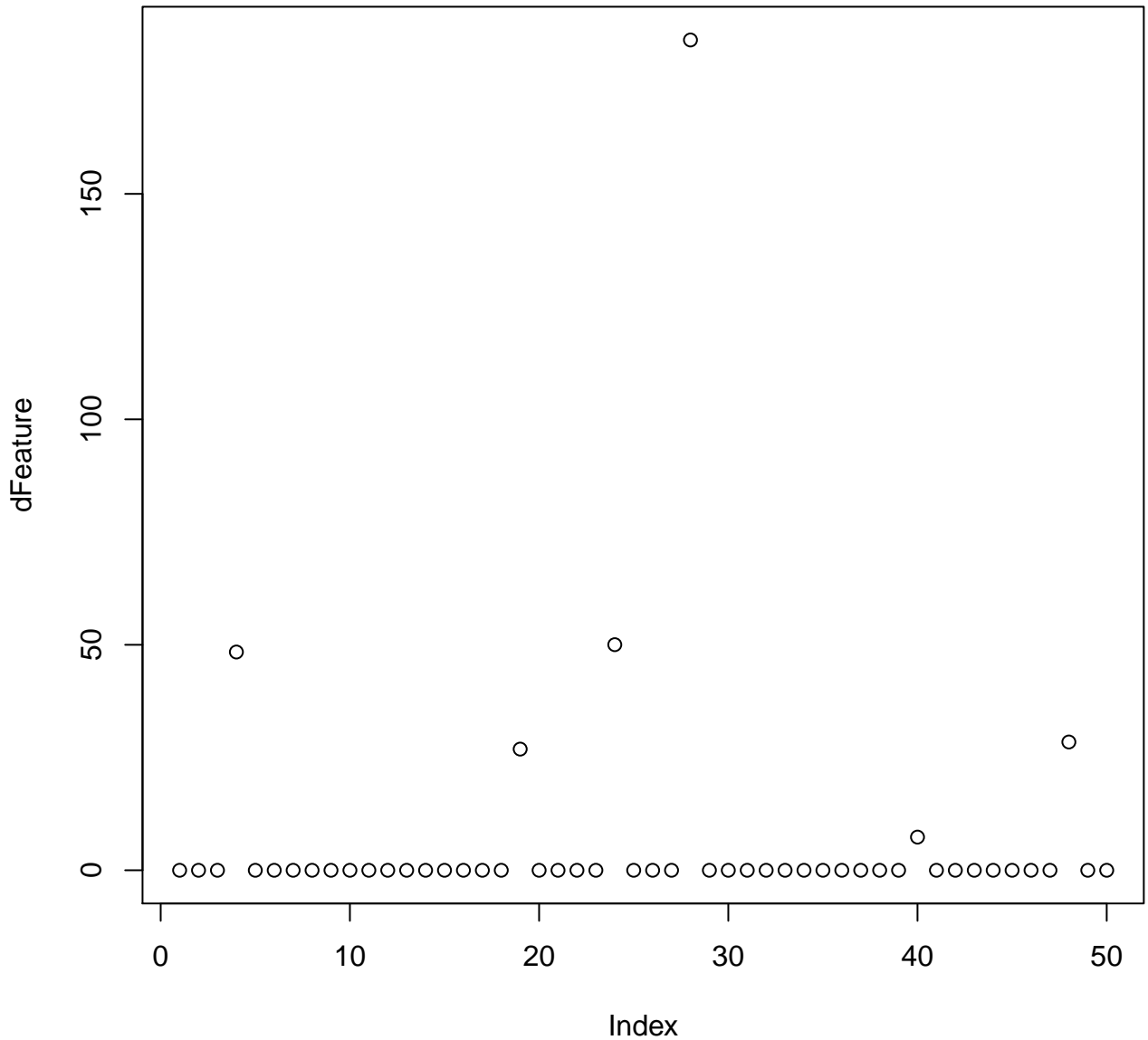
funcMakeFeature Mean (2.34) 6.88 SD(4.34) 1.23 Exp 6.86



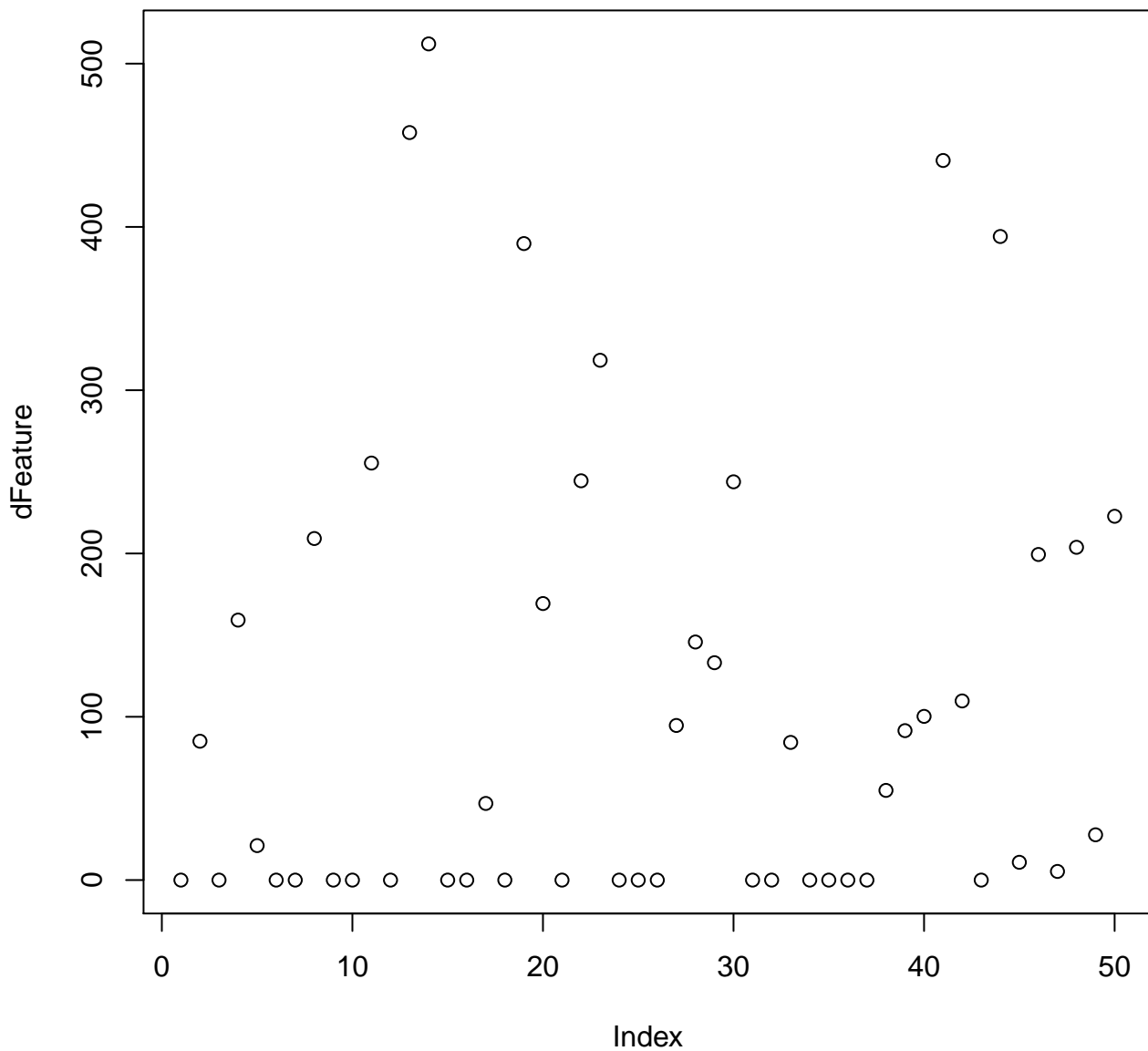
funcMakeFeature Mean (4.47) 31.88 SD(7.26) 1.97 Exp 31.88



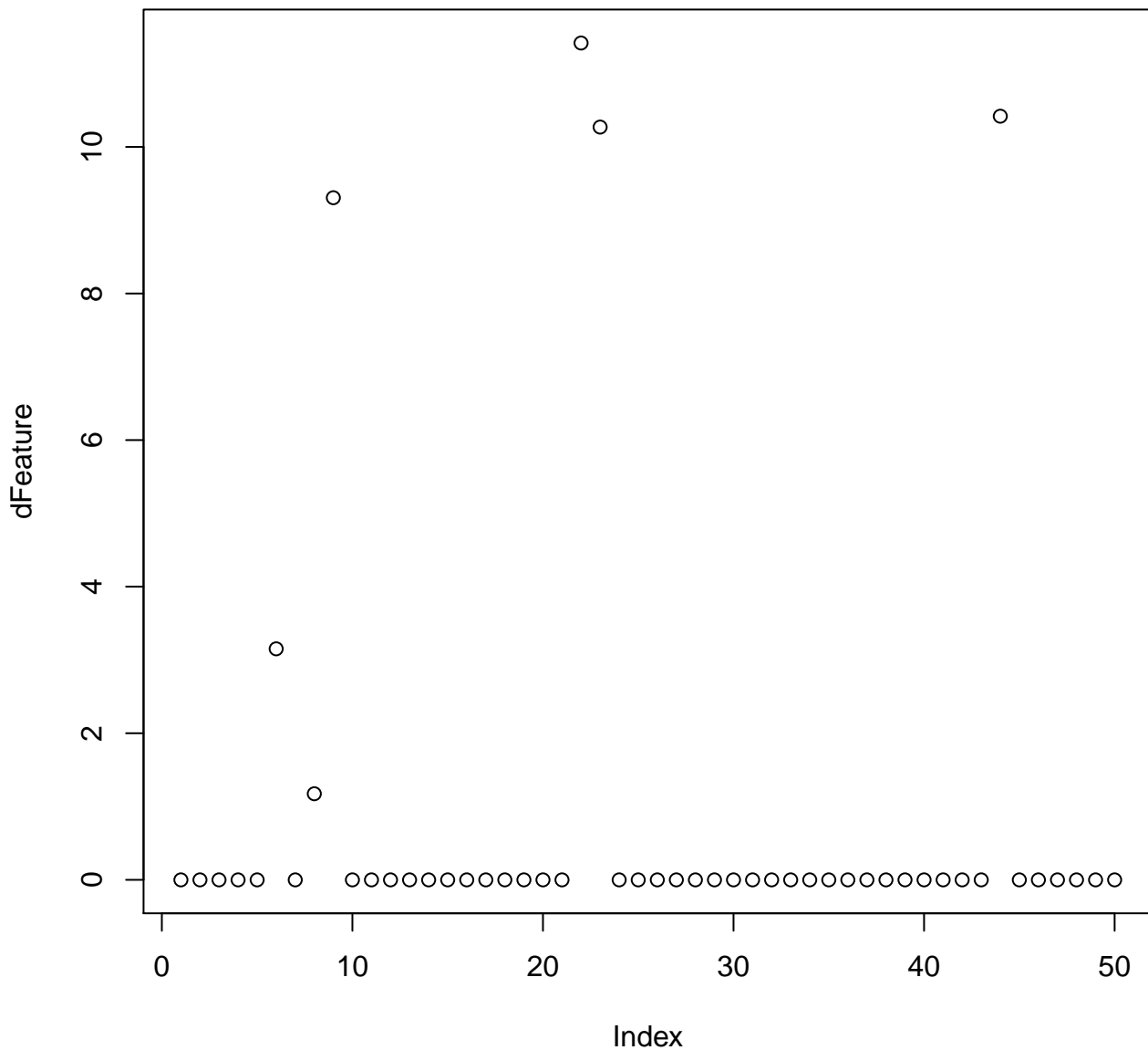
funcMakeFeature Mean (2.38) 6.9 SD(4.3) 1.05 Exp 6.89



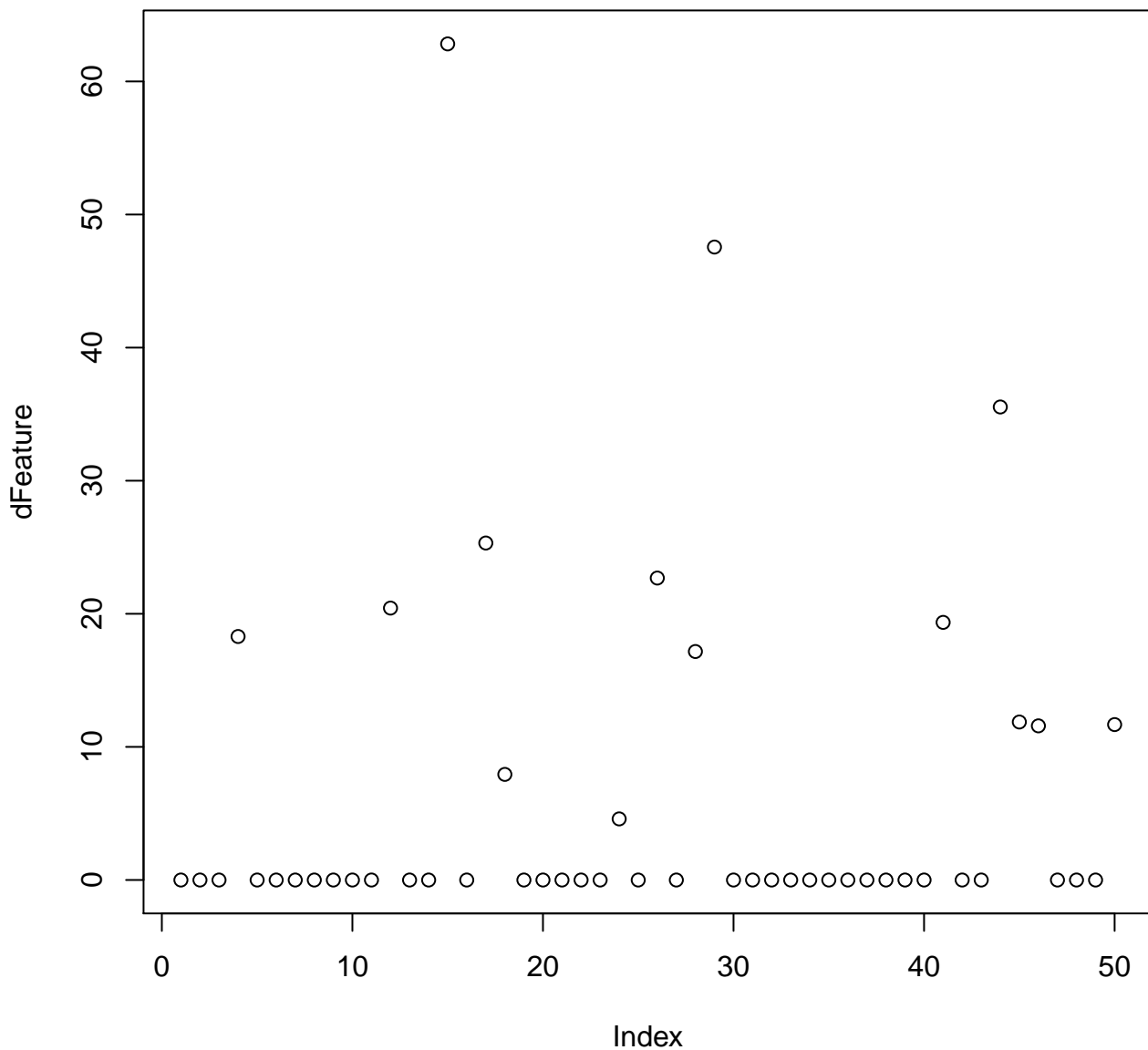
funcMakeFeature Mean (30.51) 108.64 SD(4.92) 1.12 Exp 108.63



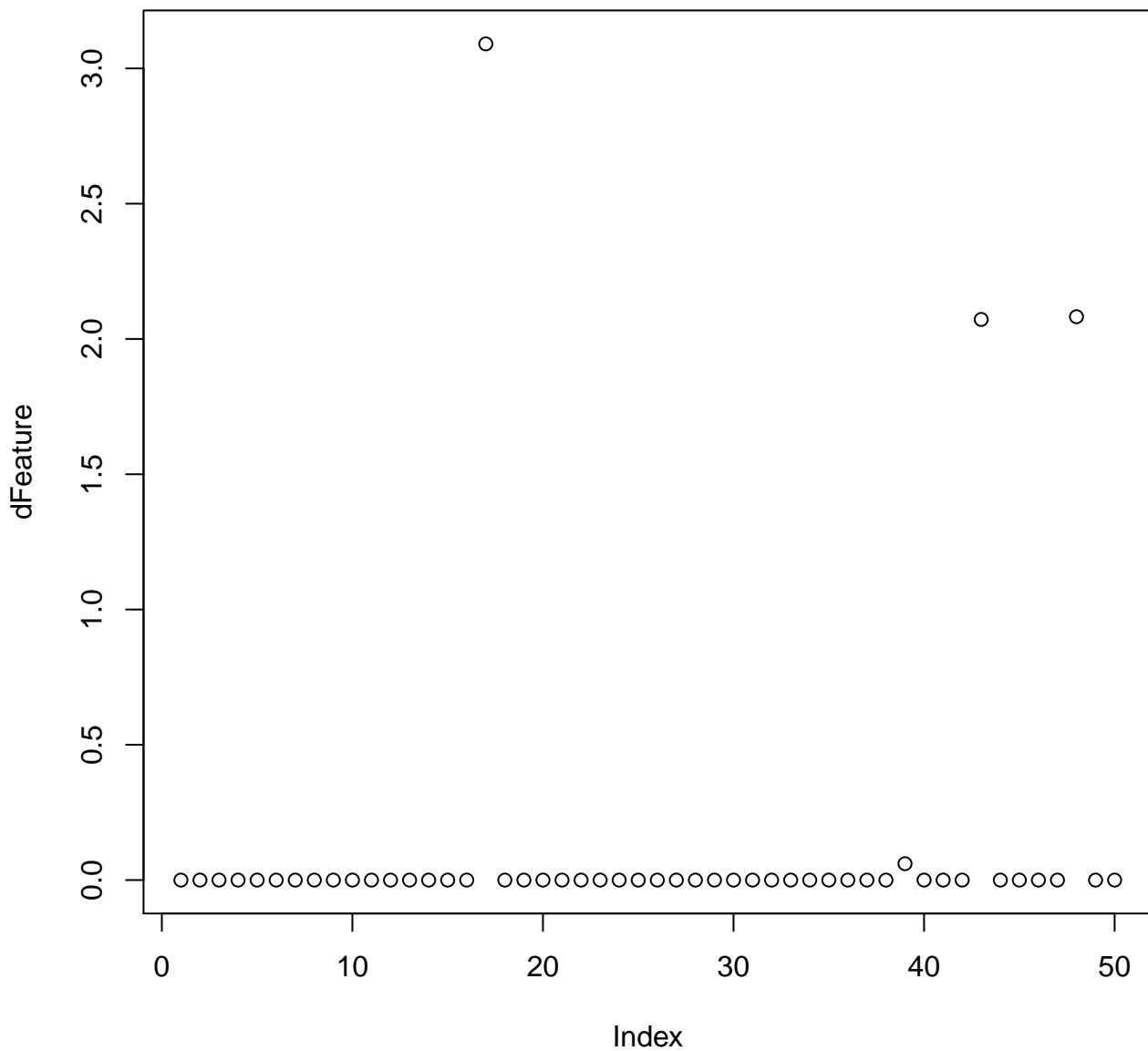
funcMakeFeature Mean (0.53) 0.91 SD(2.82) 0.92 Exp 0.91



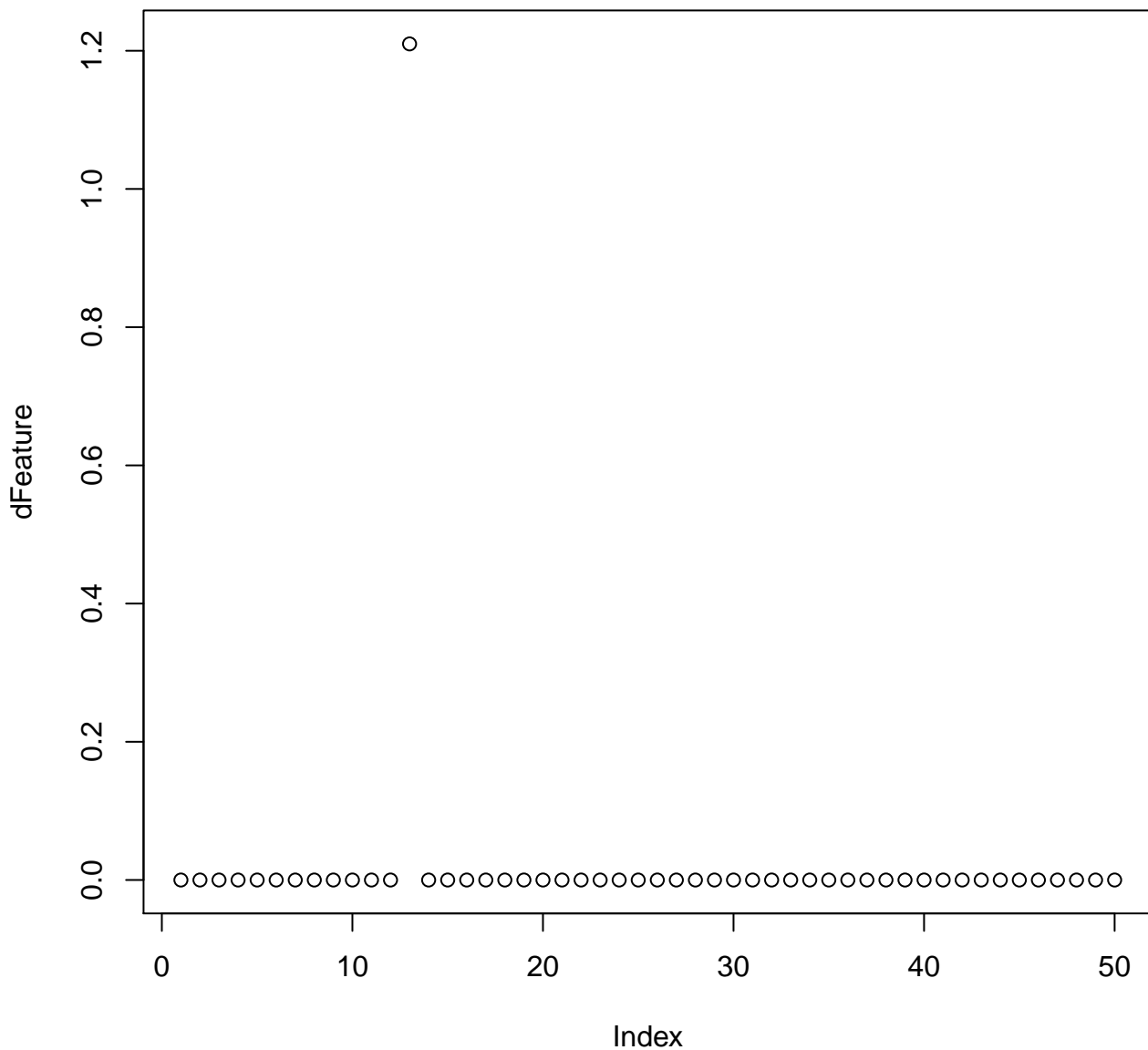
funcMakeFeature Mean (2.22) 6.34 SD(4.25) 0.69 Exp 6.33



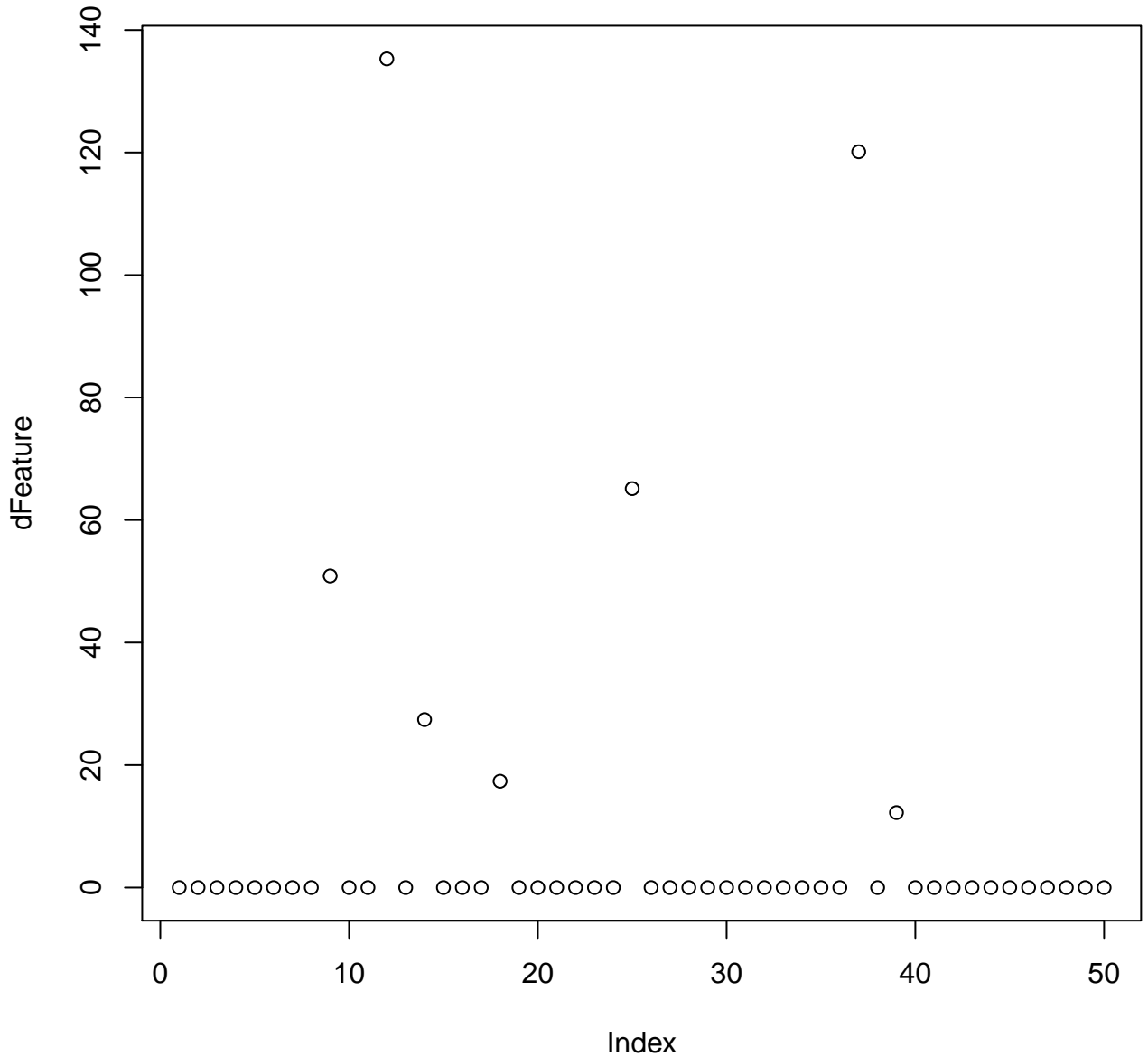
funcMakeFeature Mean (0.11) 0.15 SD(1.81) 1.84 Exp 0.13



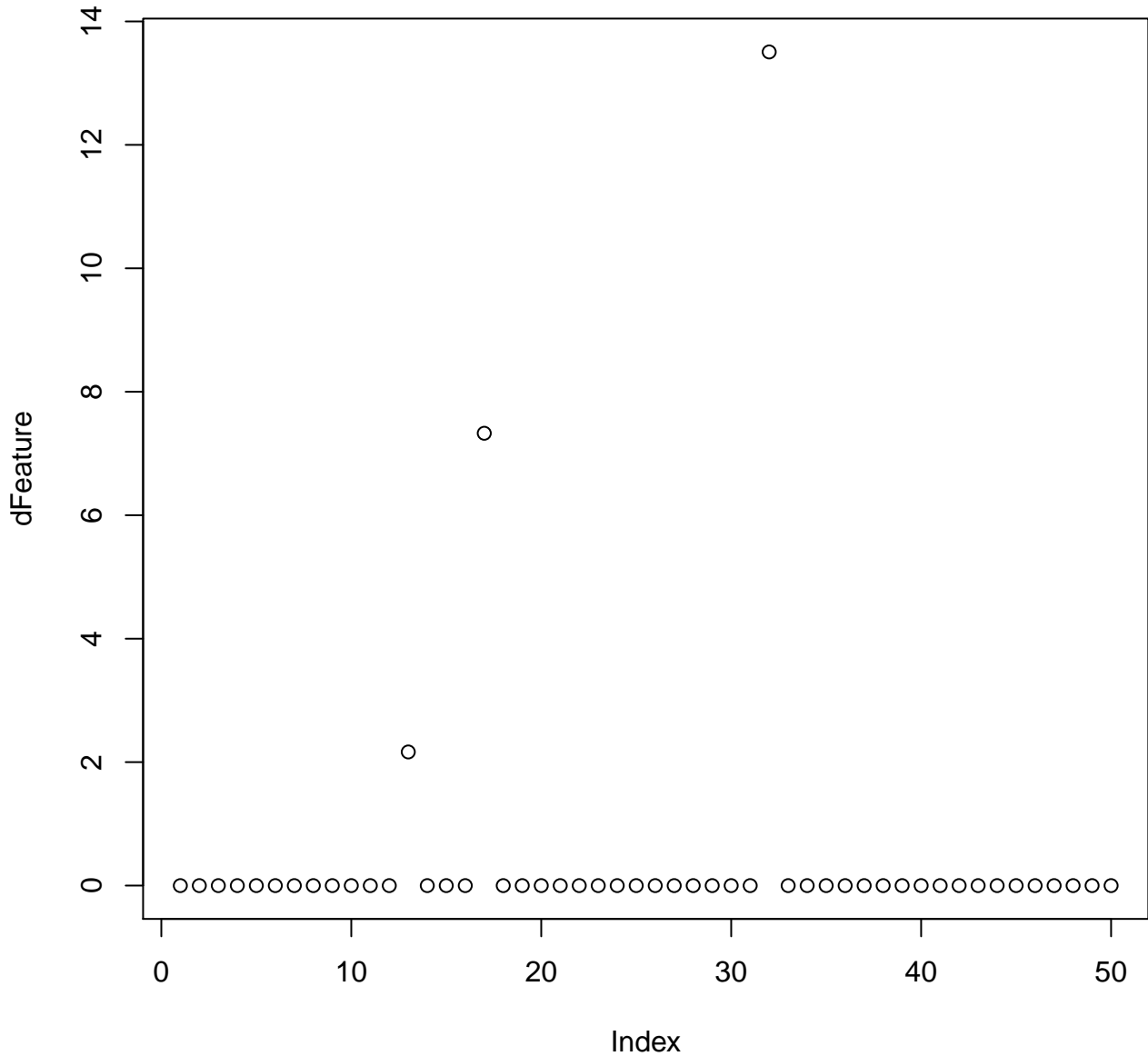
funcMakeFeature Mean (0.13) 0.02 SD(1.81) NA Exp 0.16



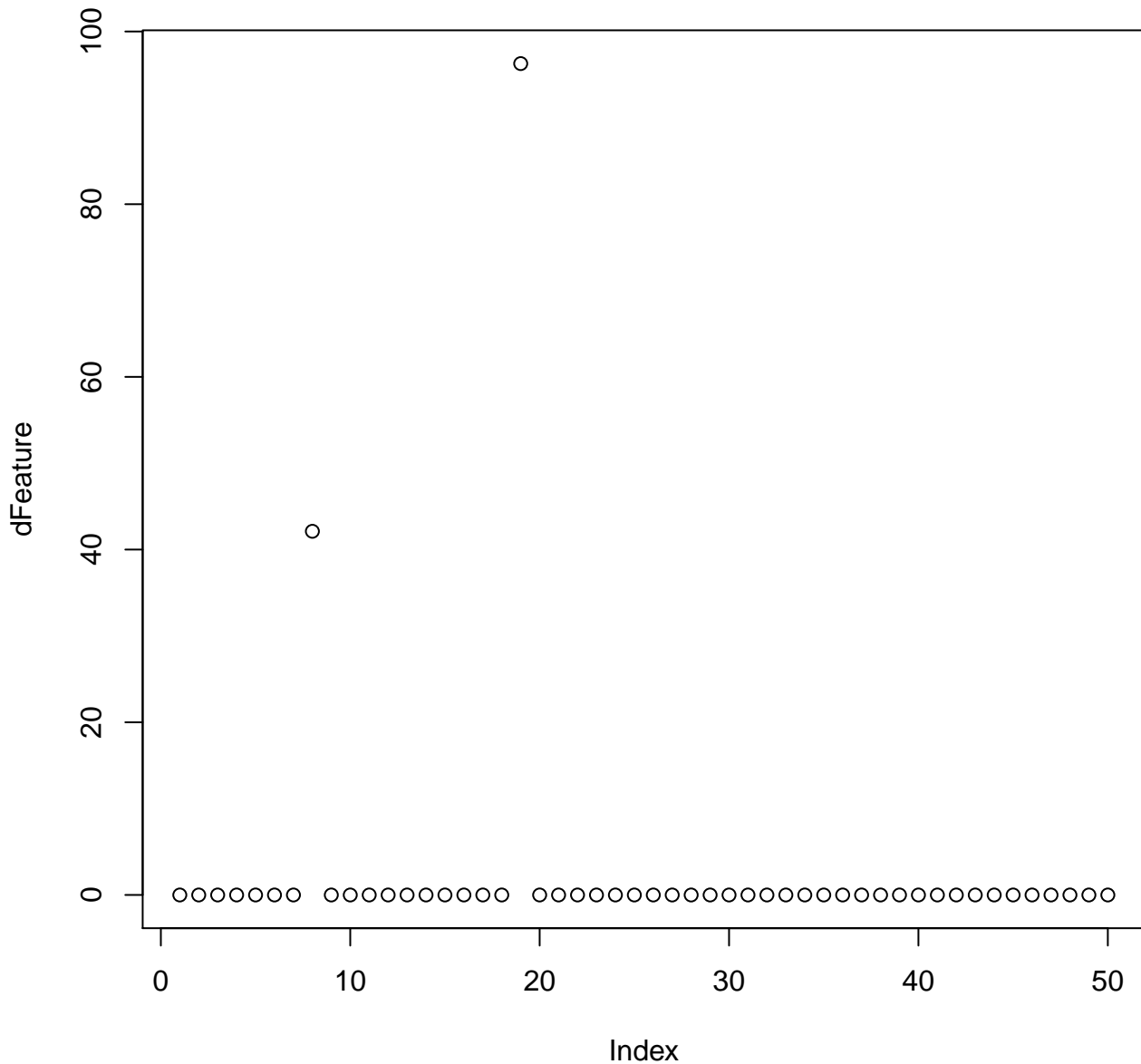
funcMakeFeature Mean (2.26) 8.57 SD(5.11) 0.93 Exp 8.56



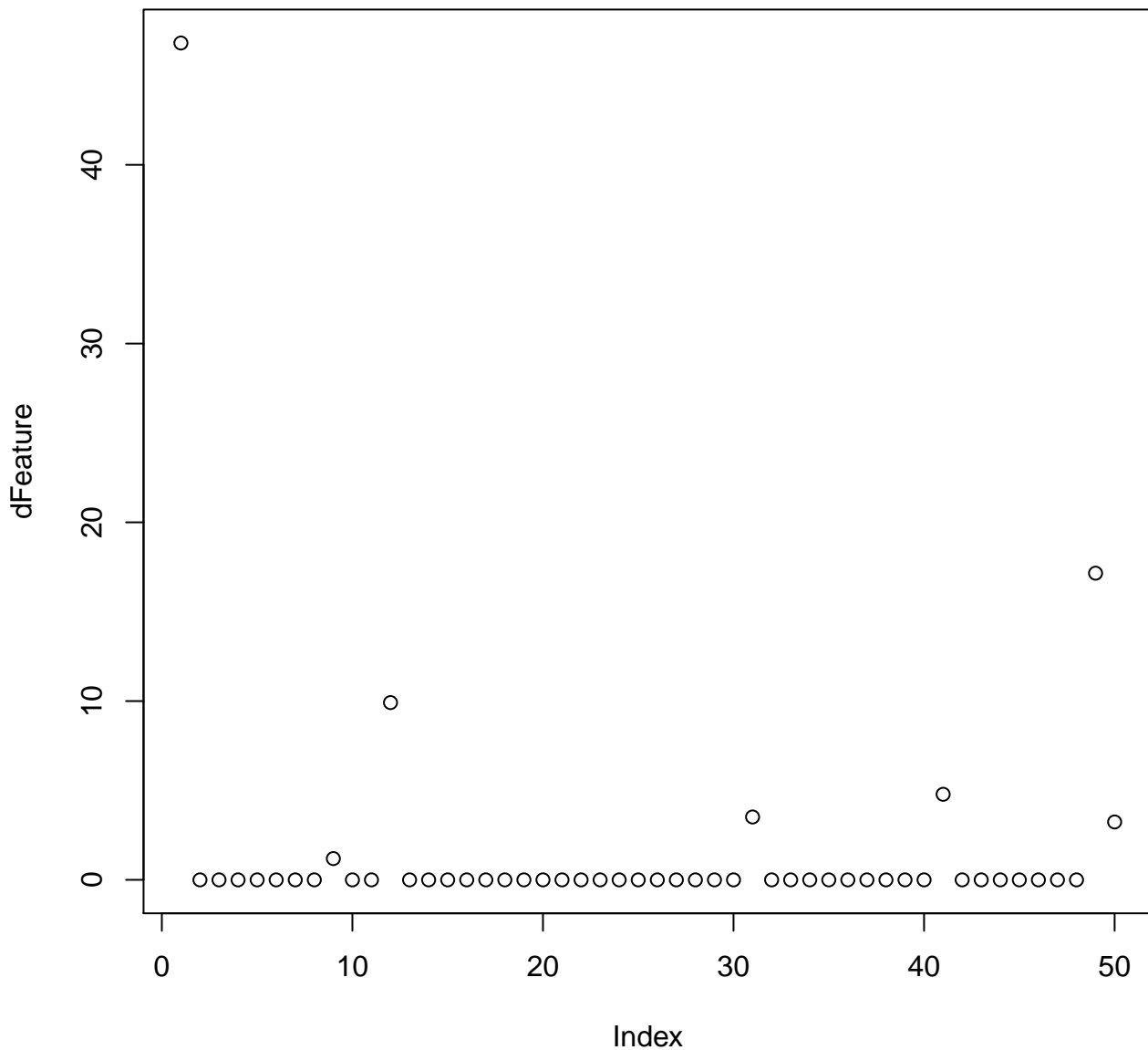
funcMakeFeature Mean (0.29) 0.46 SD(2.62) 0.93 Exp 0.46



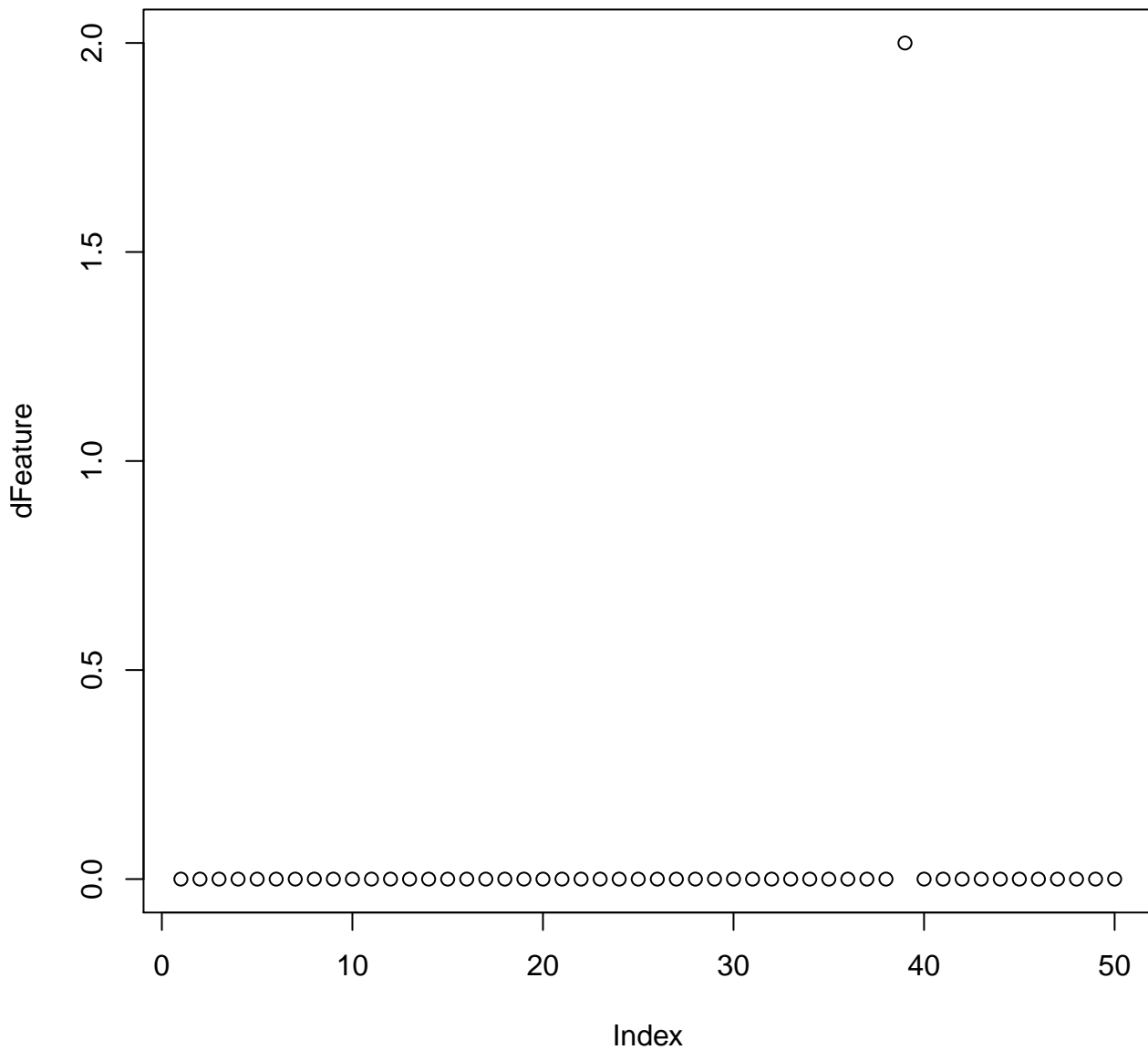
funcMakeFeature Mean (0.32) 2.77 SD(7.97) 0.58 Exp 2.75



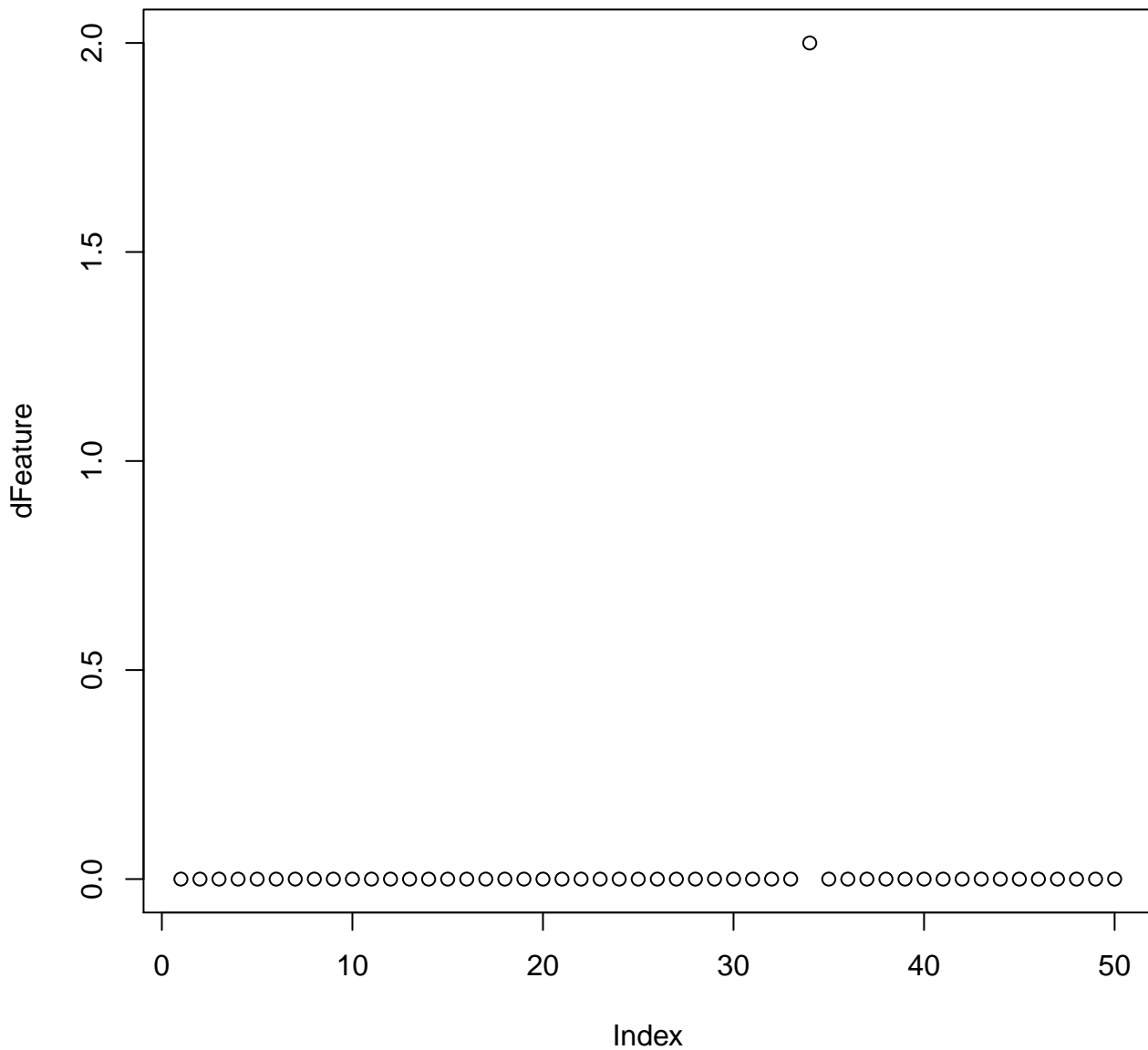
funcMakeFeature Mean (0.94) 1.73 SD(3) 1.22 Exp 1.72



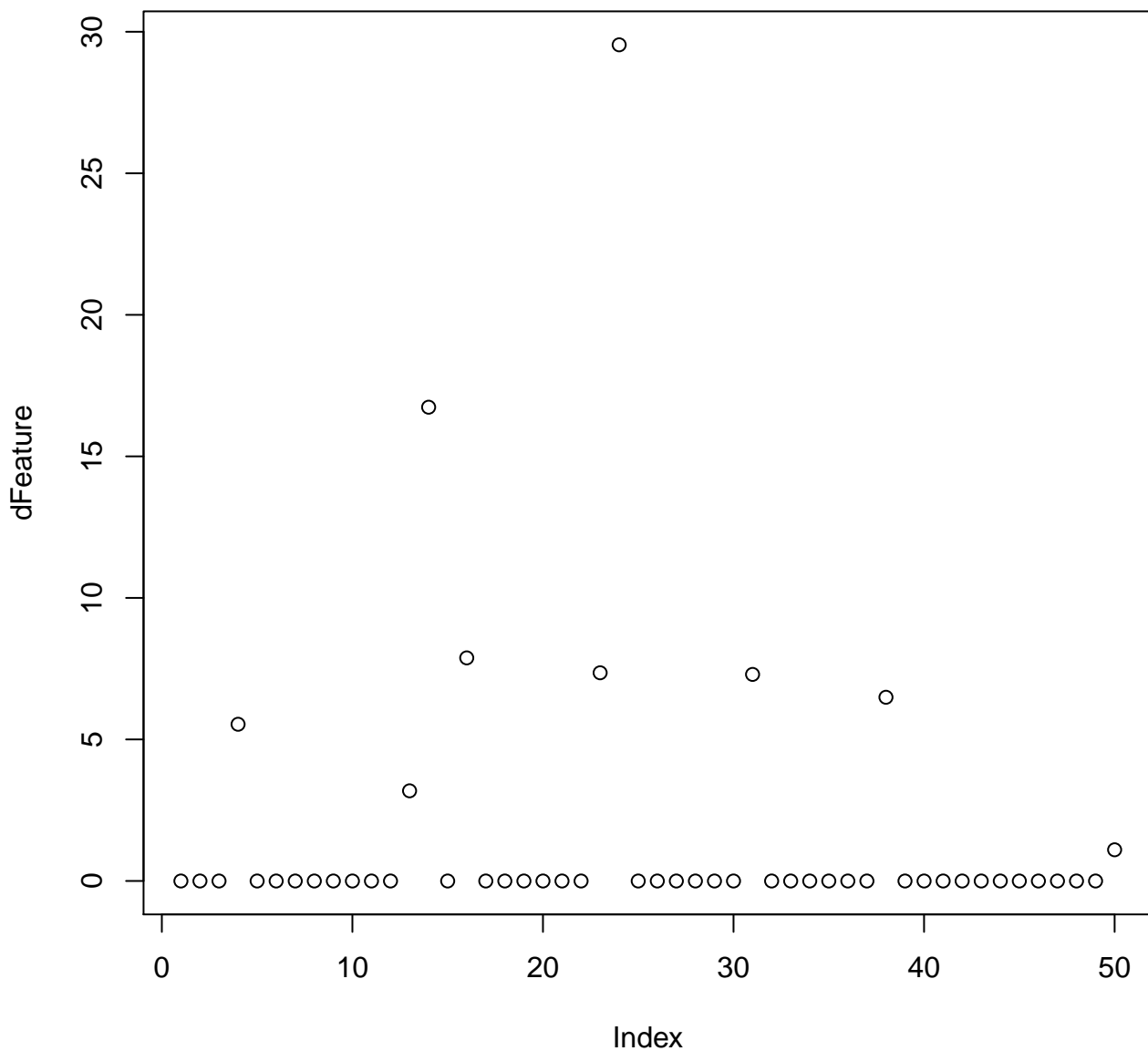
funcMakeFeature Mean (1.2) 0.04 SD(12.16) NA Exp 27.28



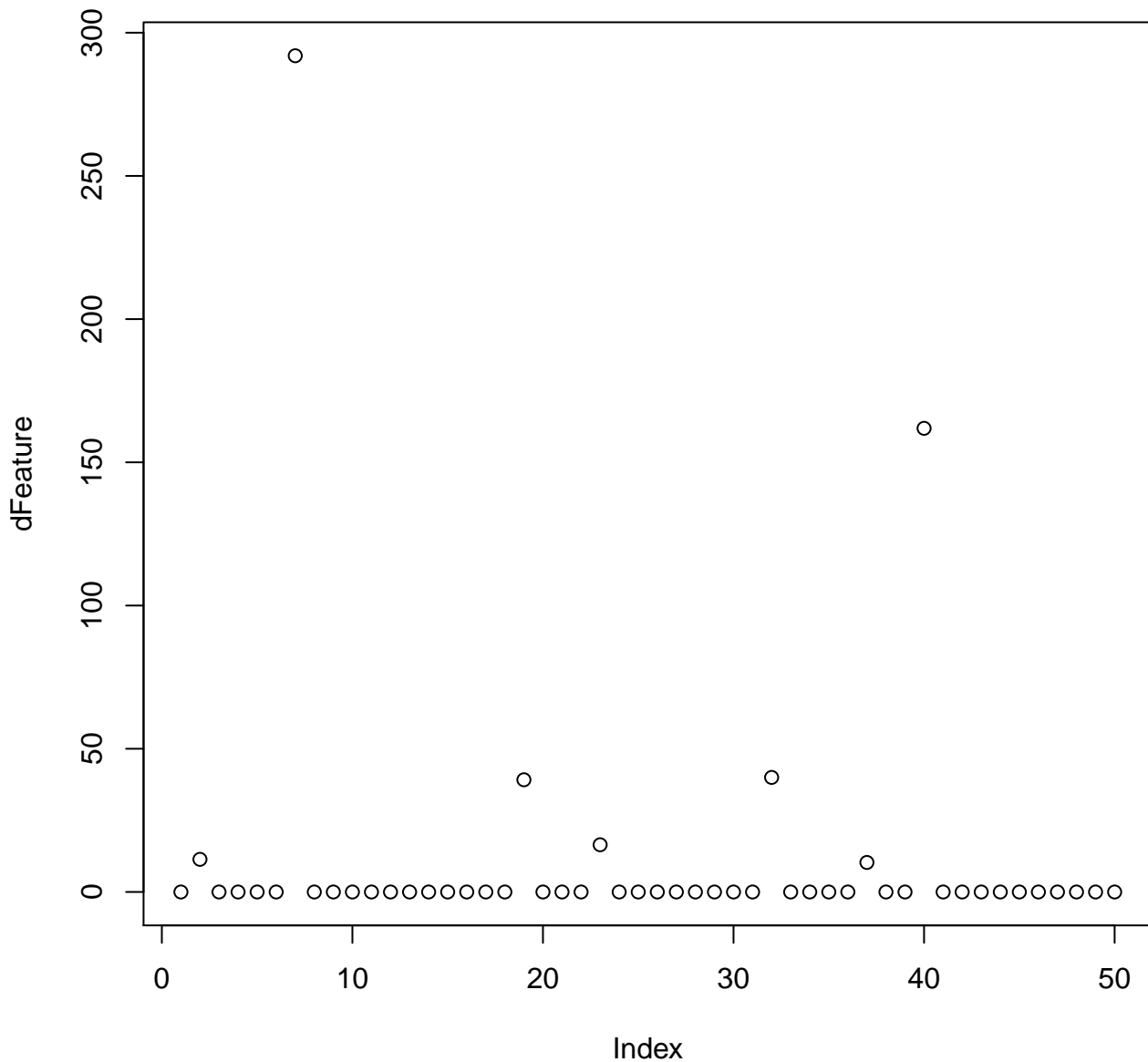
funcMakeFeature Mean (0.12) 0.04 SD(2.65) NA Exp 0.19



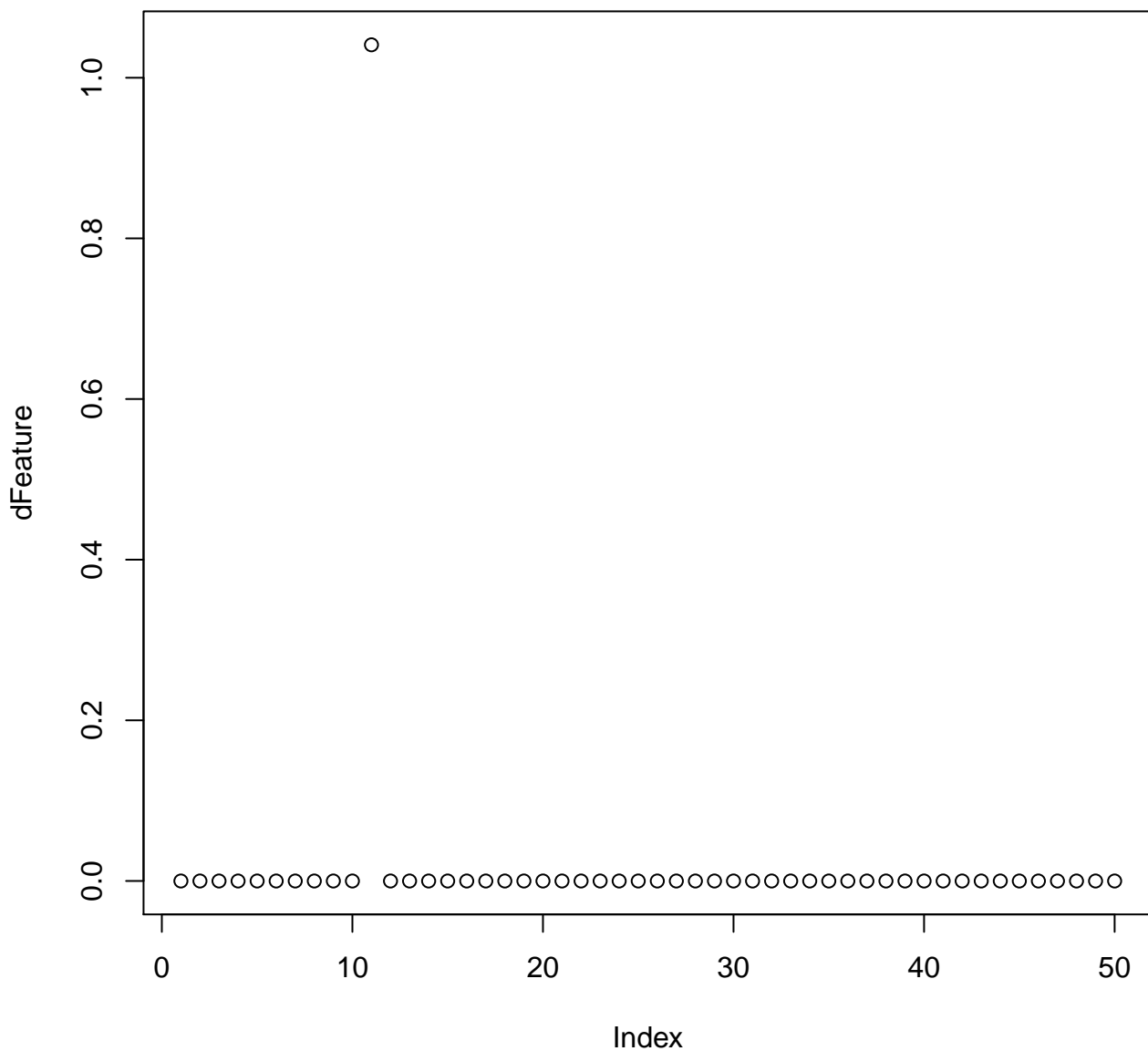
funcMakeFeature Mean (0.92) 1.7 SD(3) 0.93 Exp 1.69



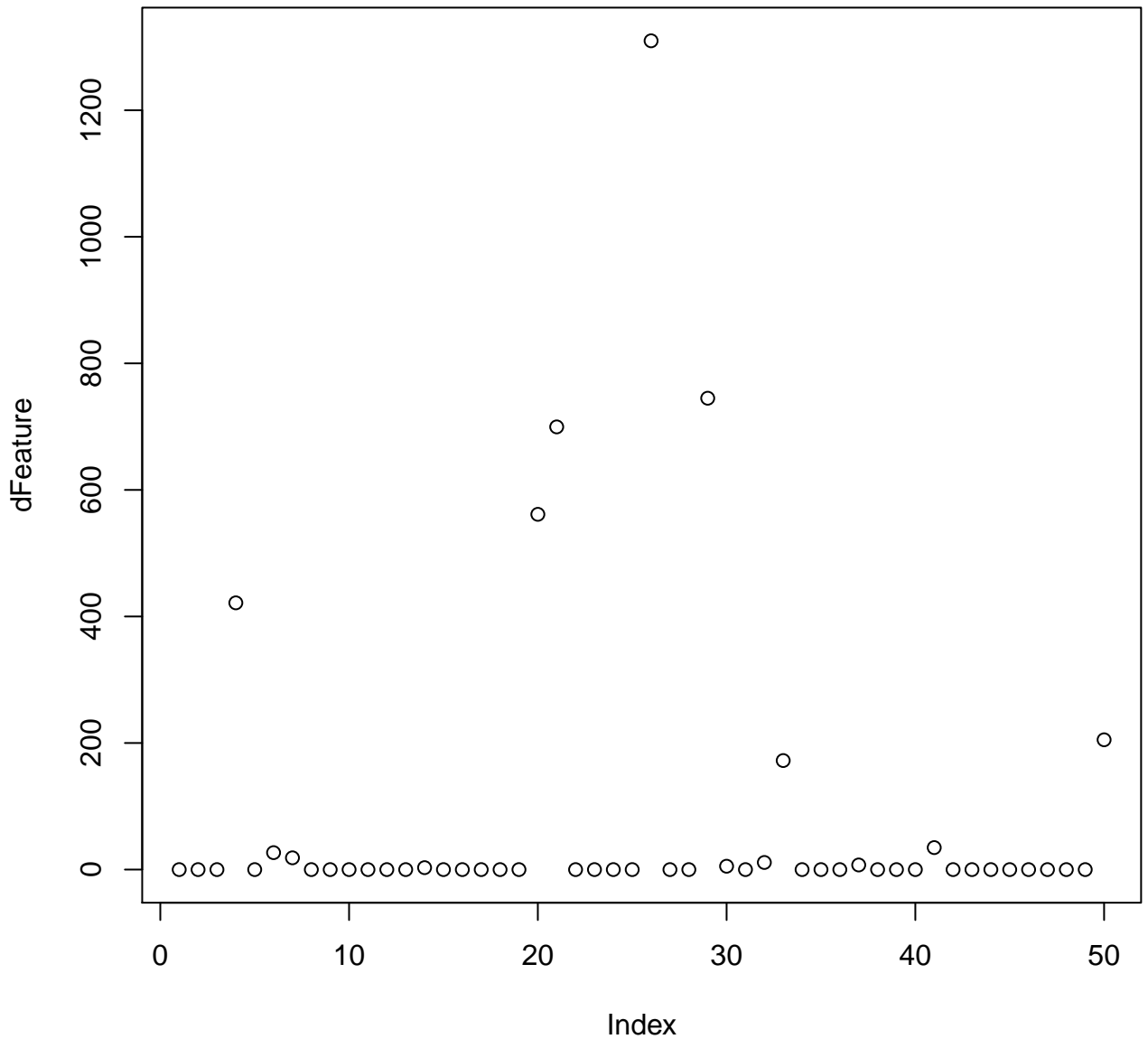
funcMakeFeature Mean (2.22) 11.42 SD(6.11) 1.3 Exp 11.42



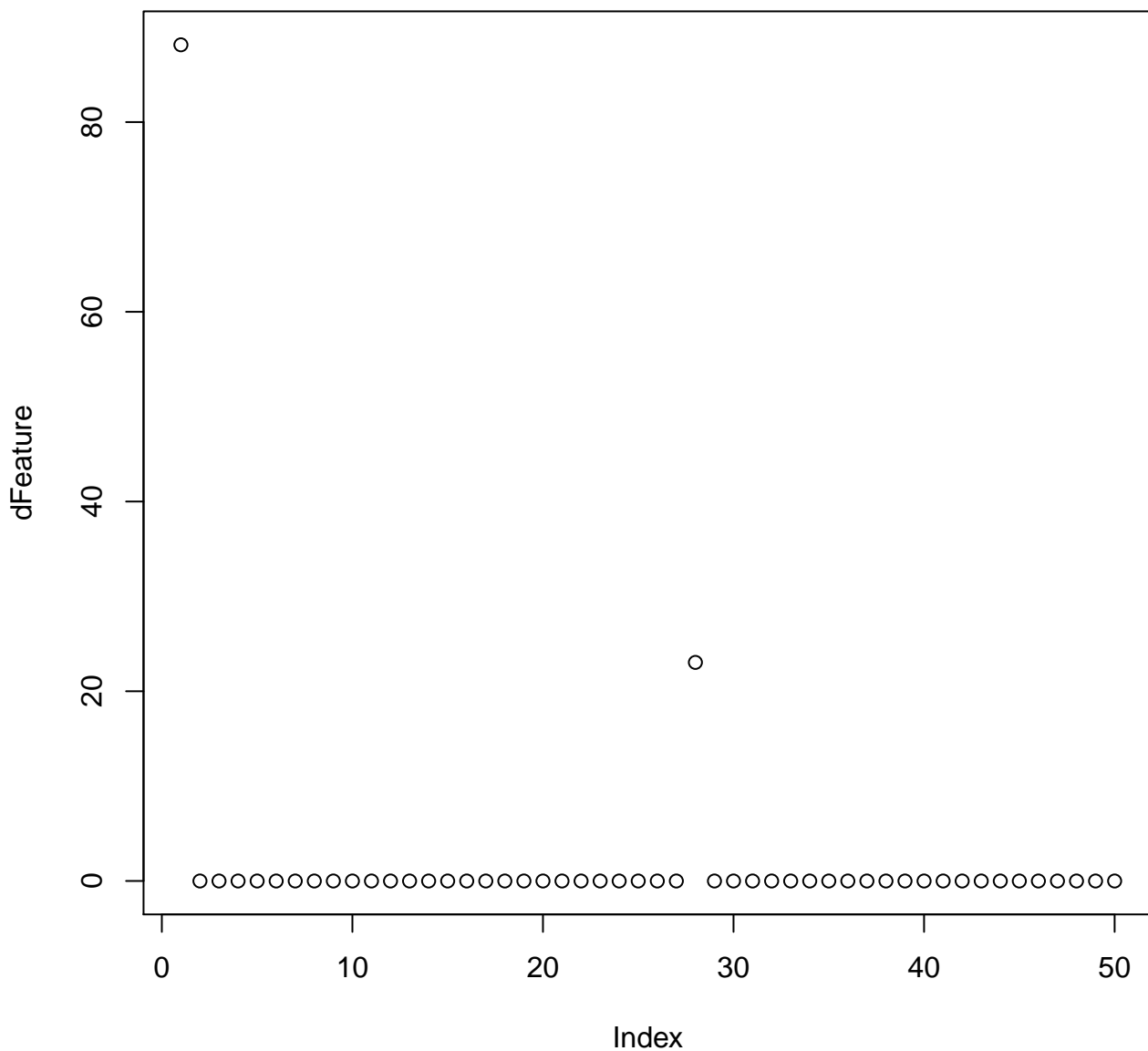
funcMakeFeature Mean (0.27) 0.02 SD(3.17) NA Exp 0.52



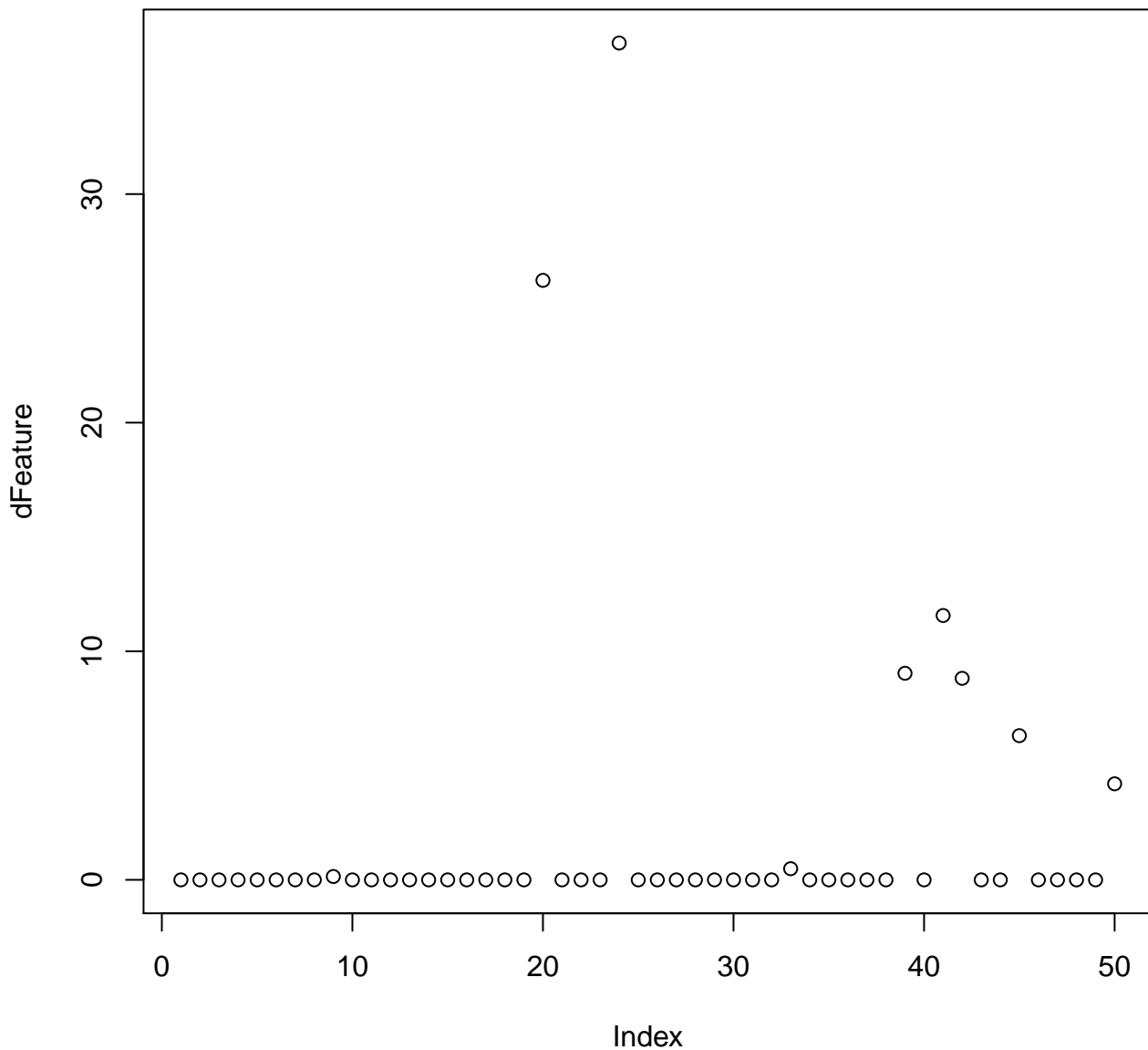
funcMakeFeature Mean (6.07) 84.44 SD(9.92) 2.09 Exp 84.42



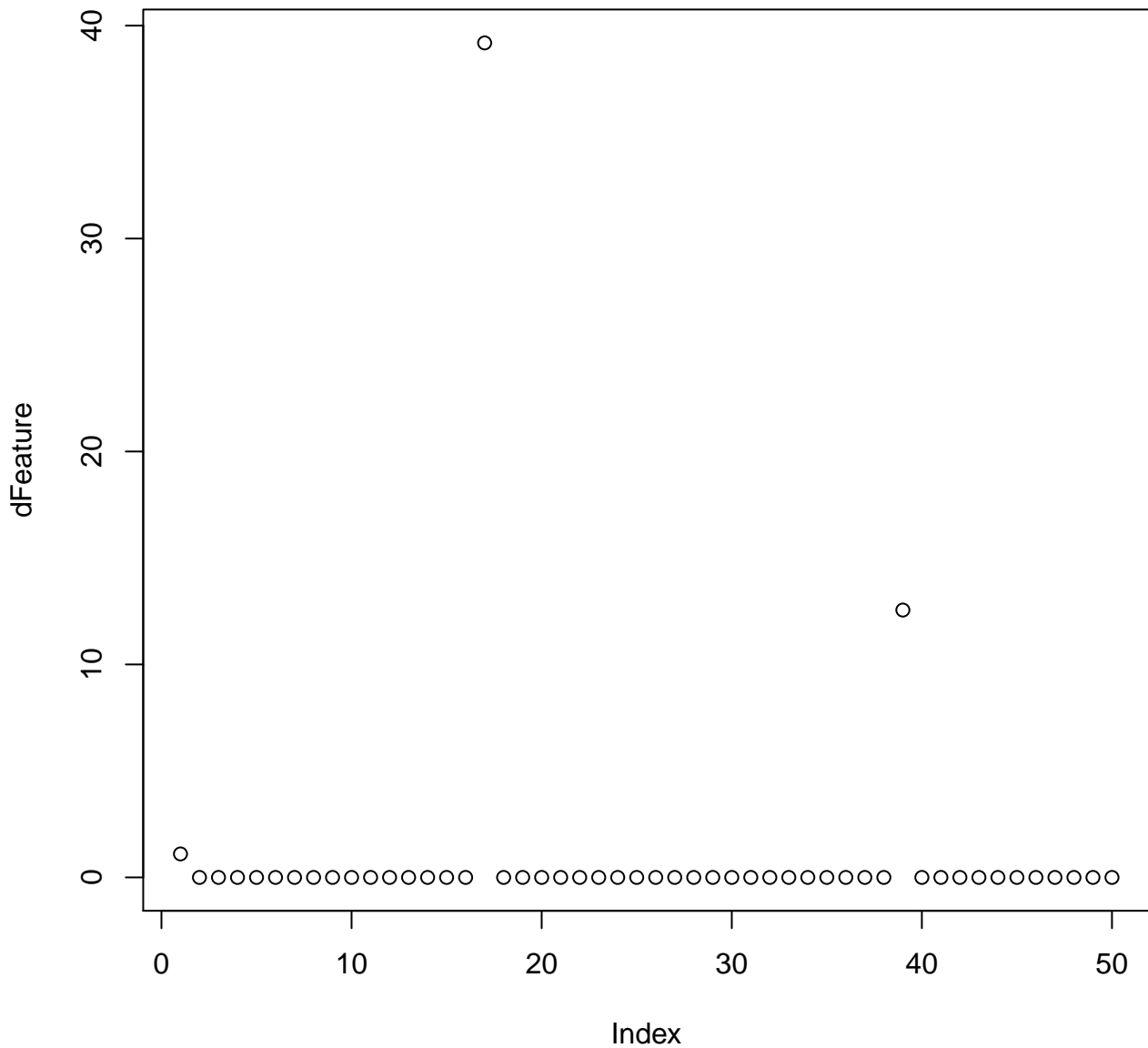
funcMakeFeature Mean (0.4) 2.22 SD(6.35) 0.95 Exp 2.2



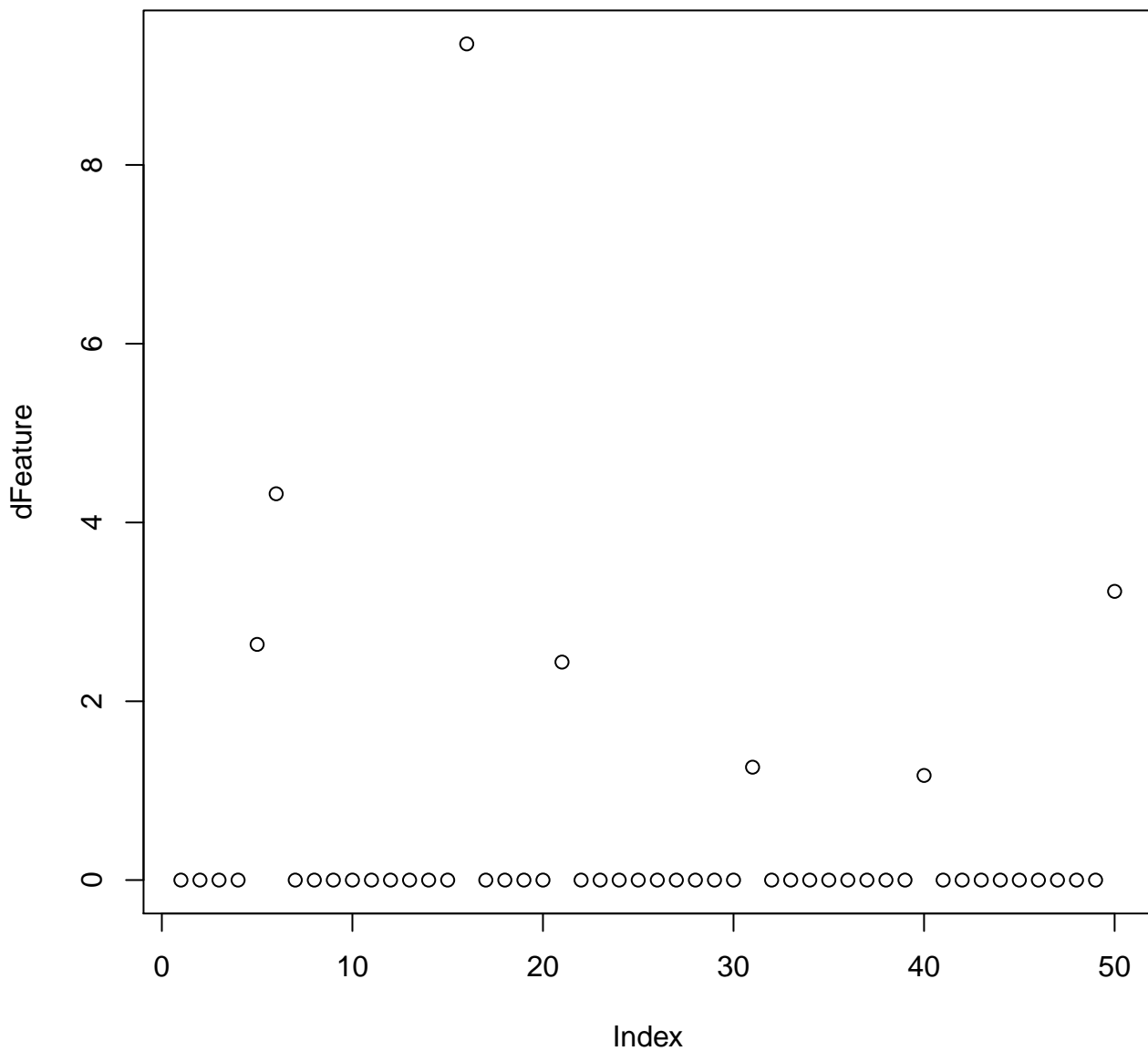
funcMakeFeature Mean (1.03) 2.07 SD(3.26) 1.81 Exp 2.06



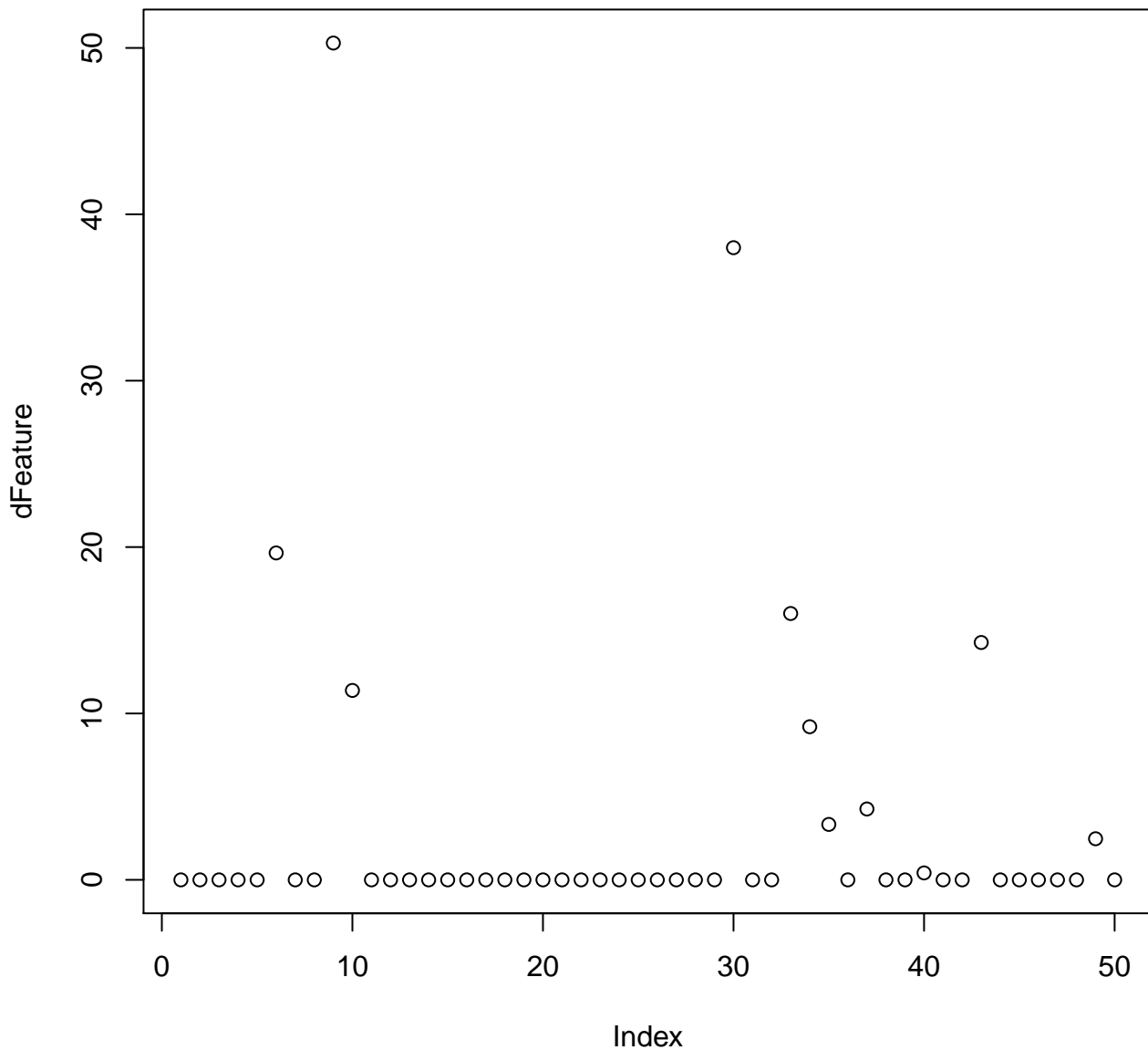
funcMakeFeature Mean (0.68) 1.06 SD(2.55) 1.82 Exp 1.05



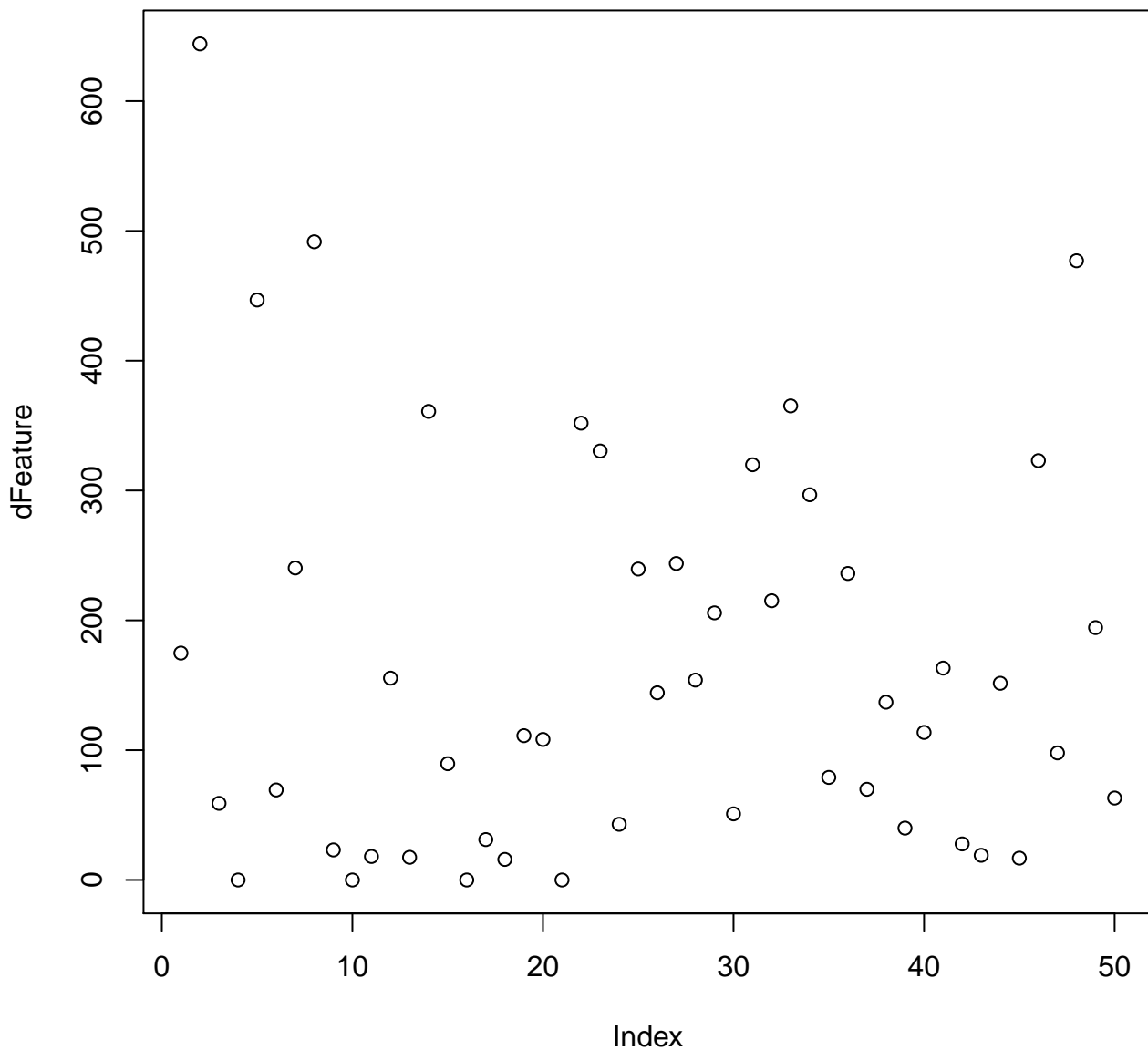
funcMakeFeature Mean (0.33) 0.49 SD(2.4) 0.72 Exp 0.49



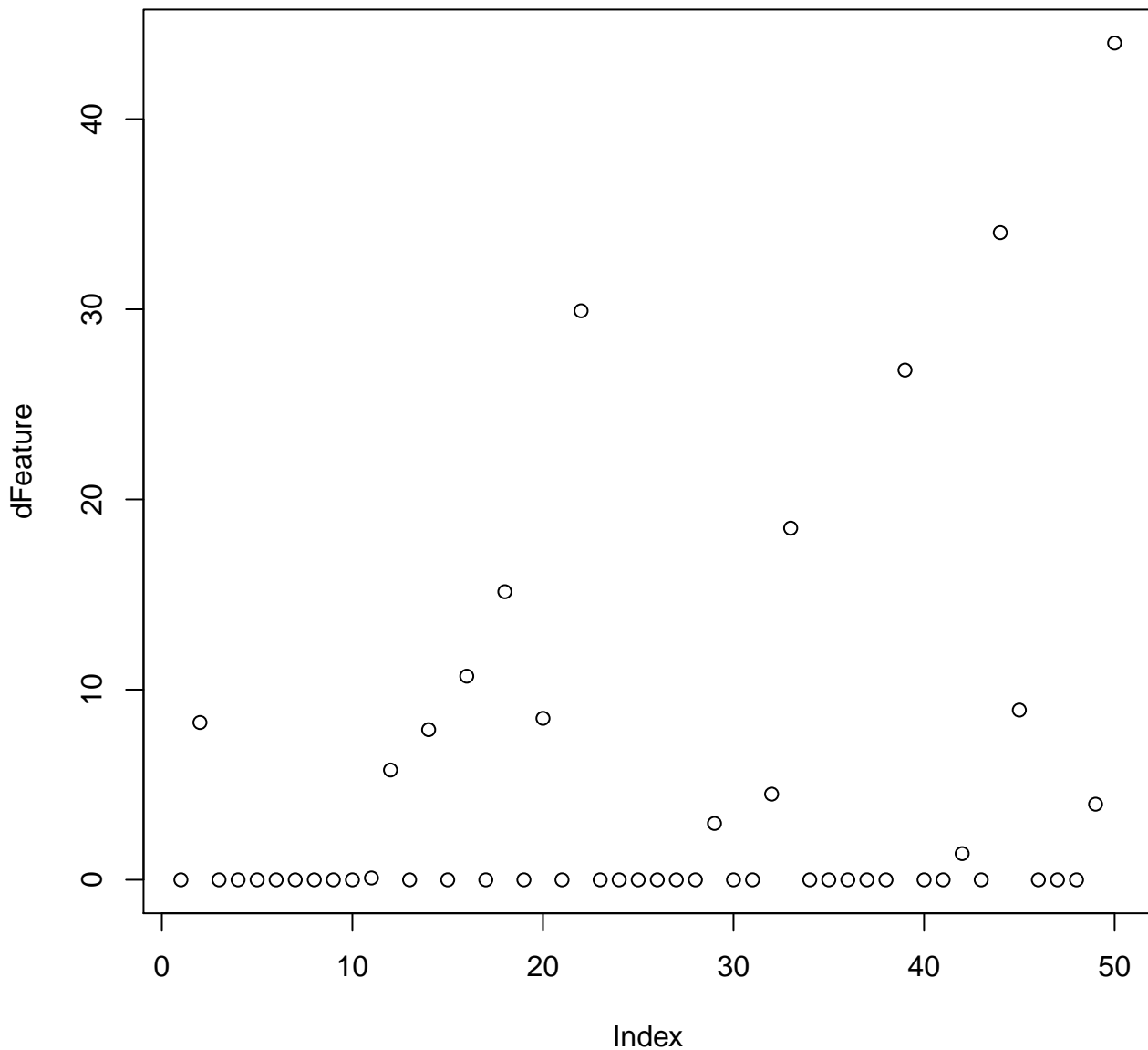
funcMakeFeature Mean (1.85) 3.39 SD(3) 1.37 Exp 3.38



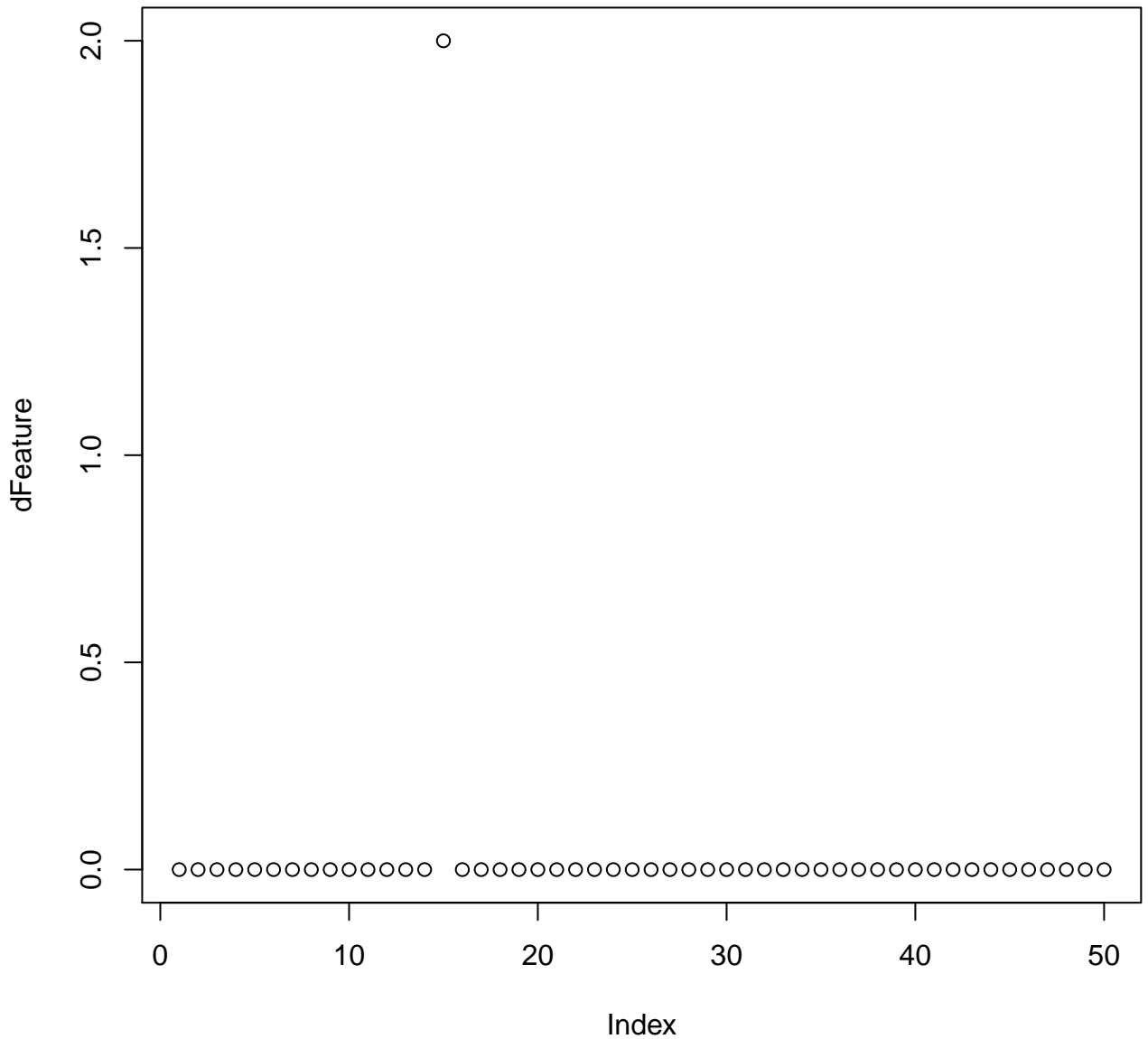
funcMakeFeature Mean (35.99) 164.55 SD(5.72) 1.05 Exp 164.54



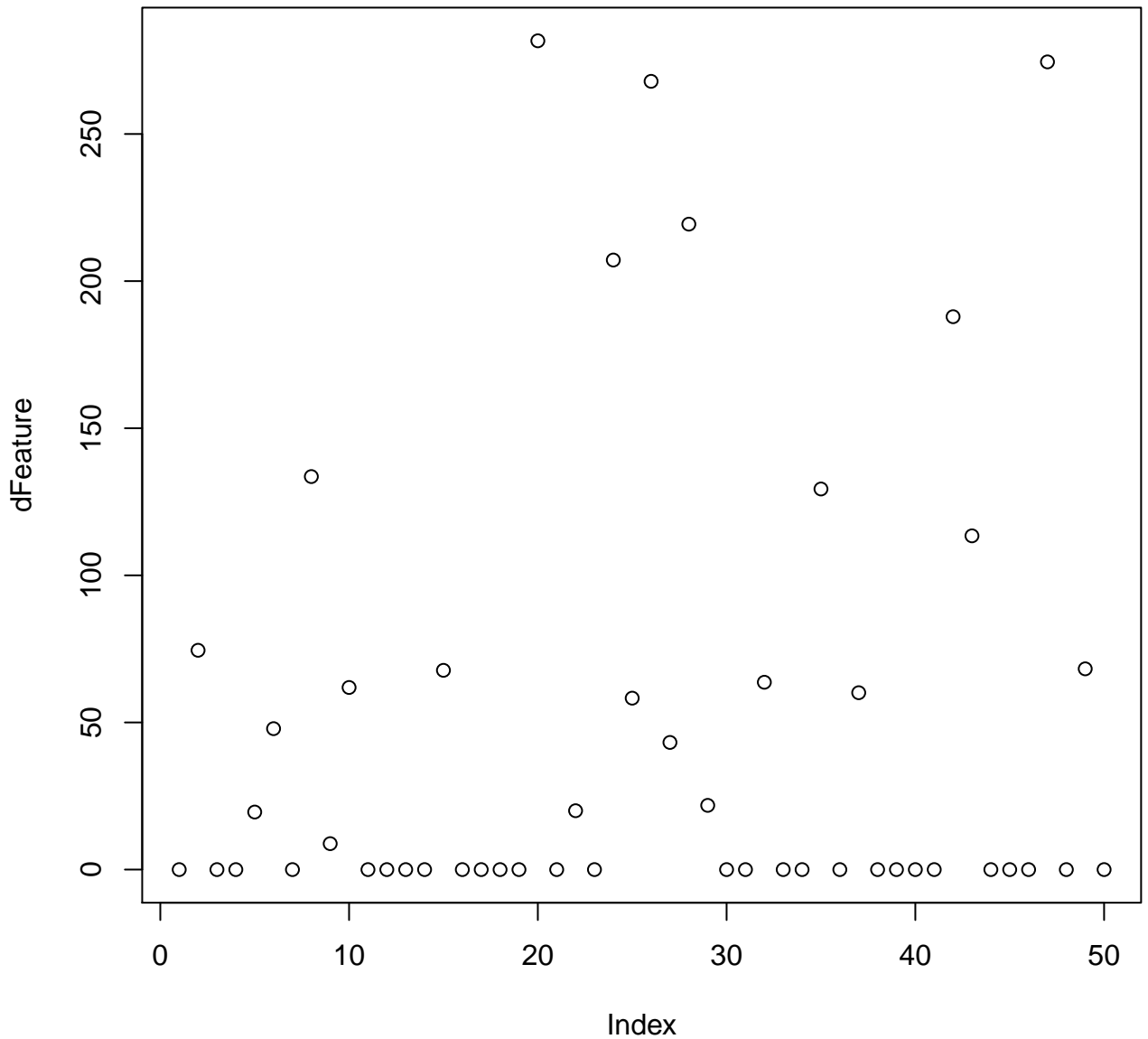
funcMakeFeature Mean (2.34) 4.63 SD(3.2) 1.46 Exp 4.62



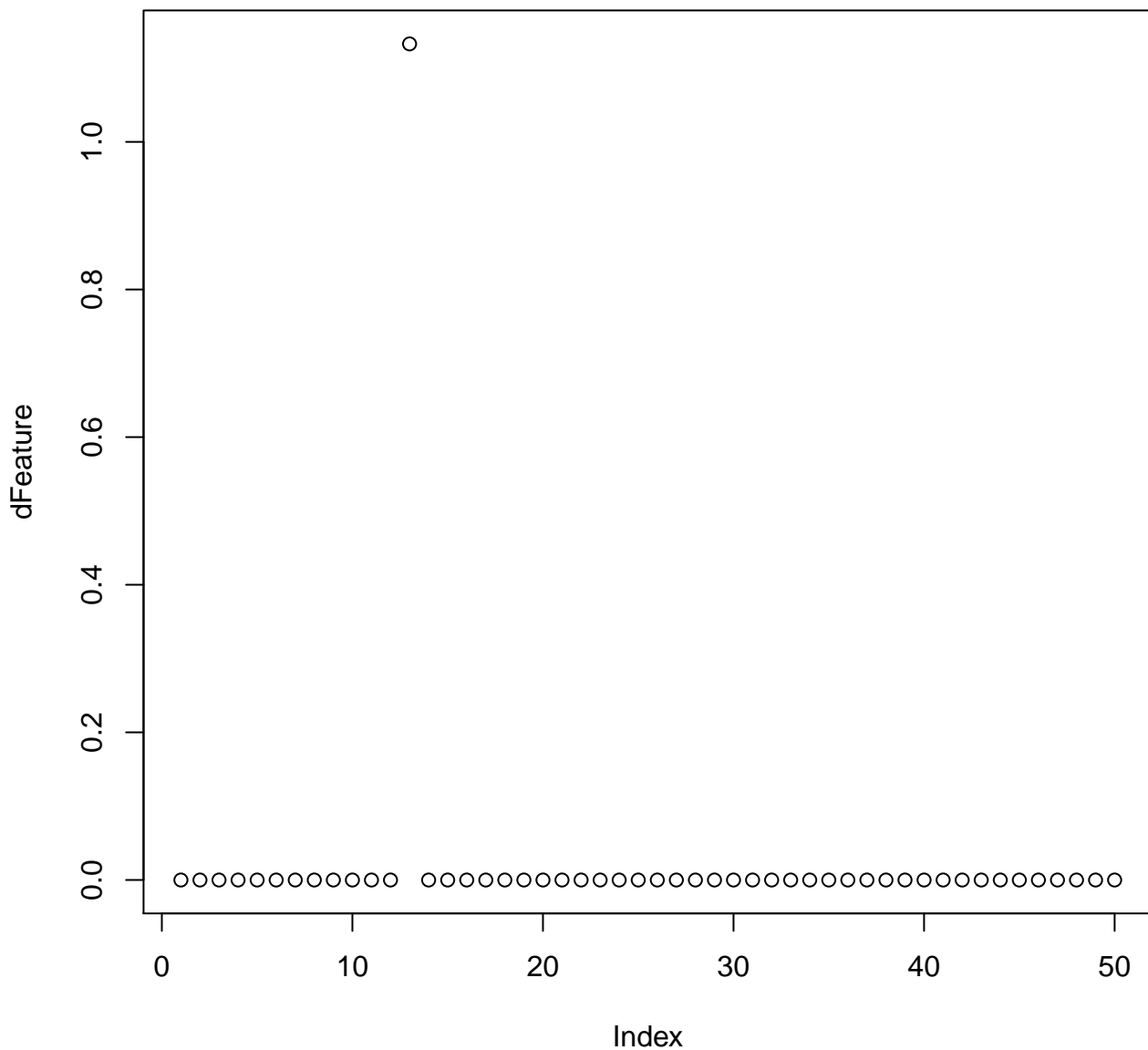
funcMakeFeature Mean (0.23) 0.04 SD(2.07) NA Exp 0.3



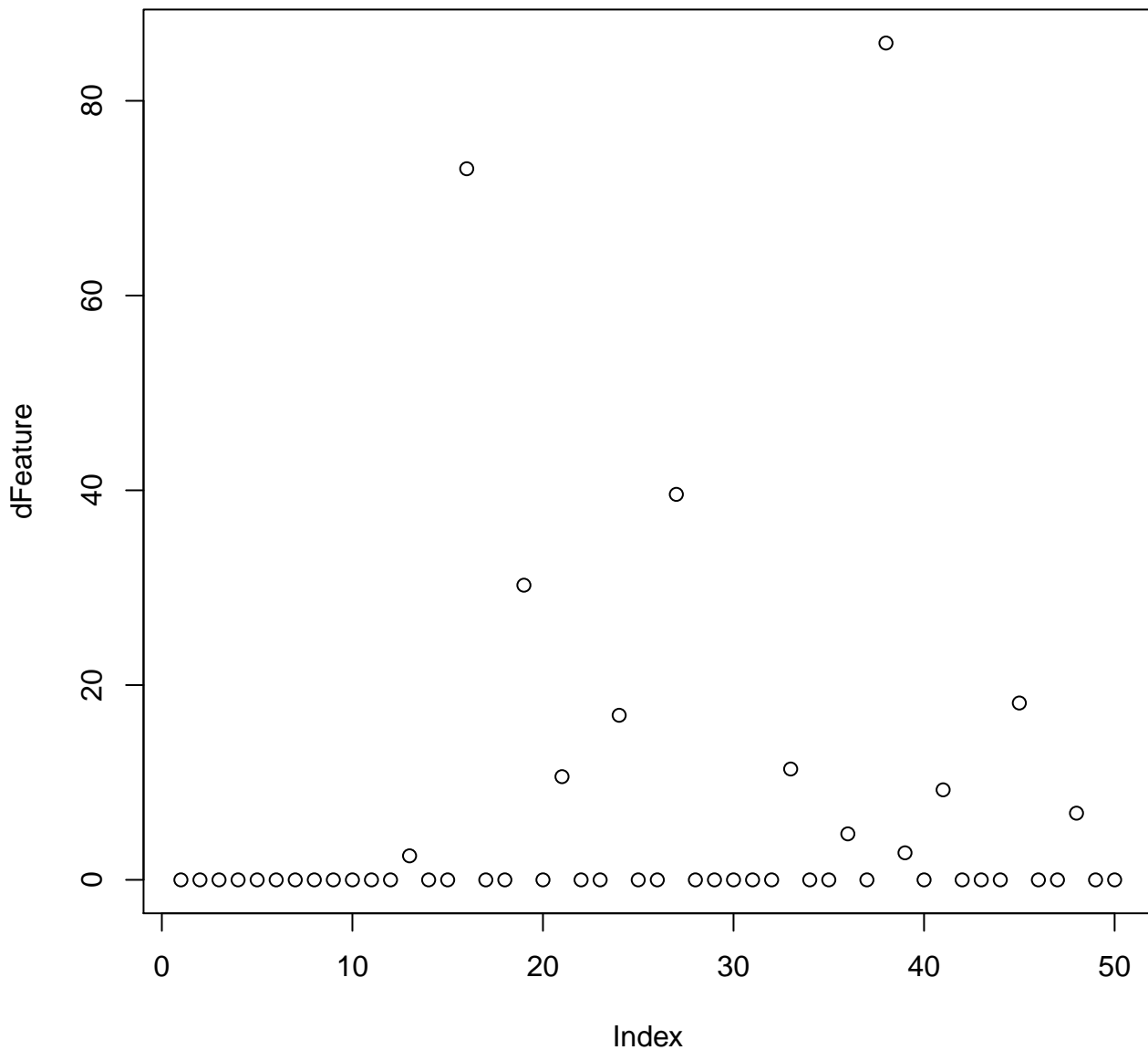
funcMakeFeature Mean (10.13) 48.61 SD(5.88) 0.96 Exp 48.6



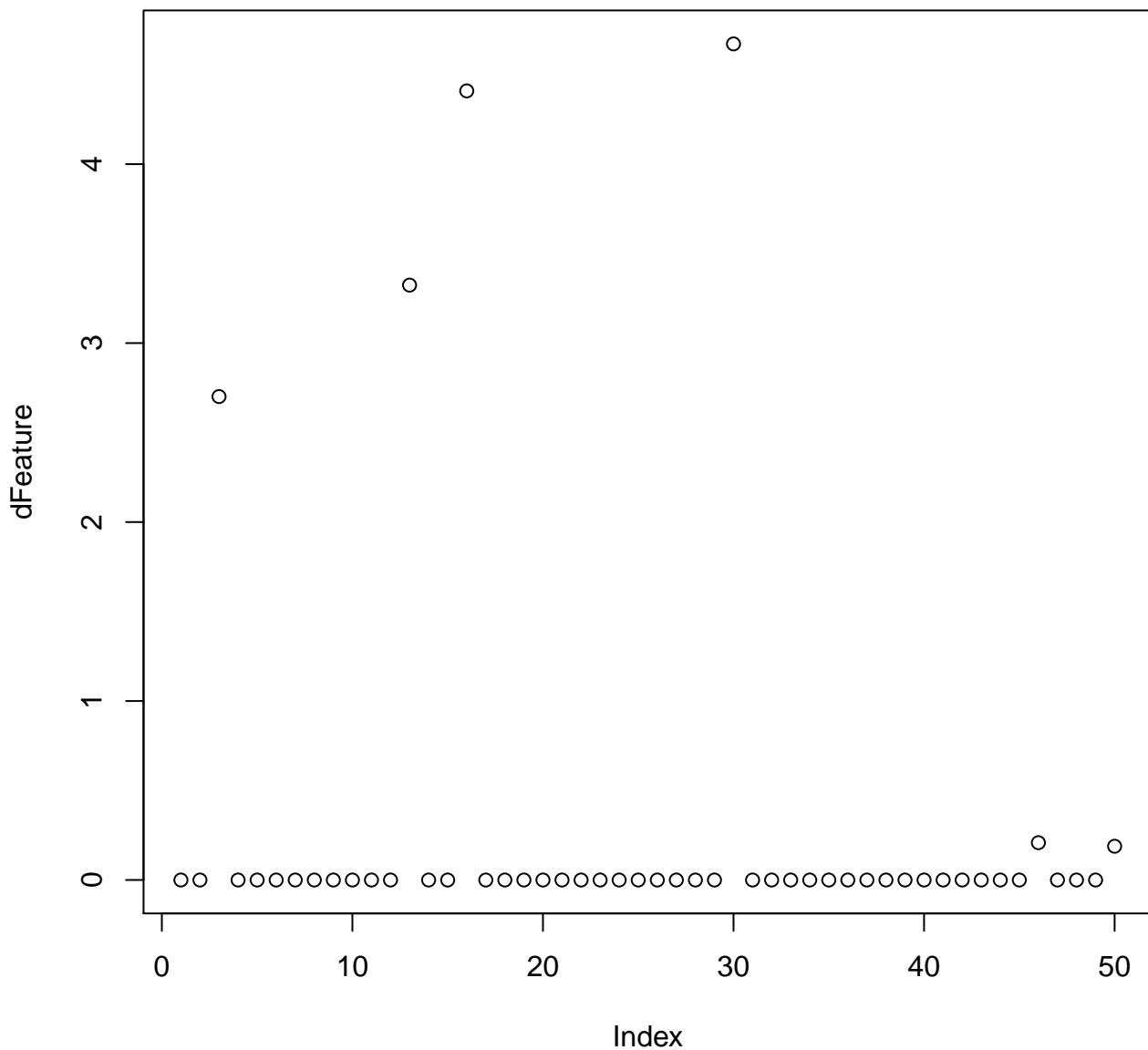
funcMakeFeature Mean (0.06) 0.02 SD(2) NA Exp 0.08



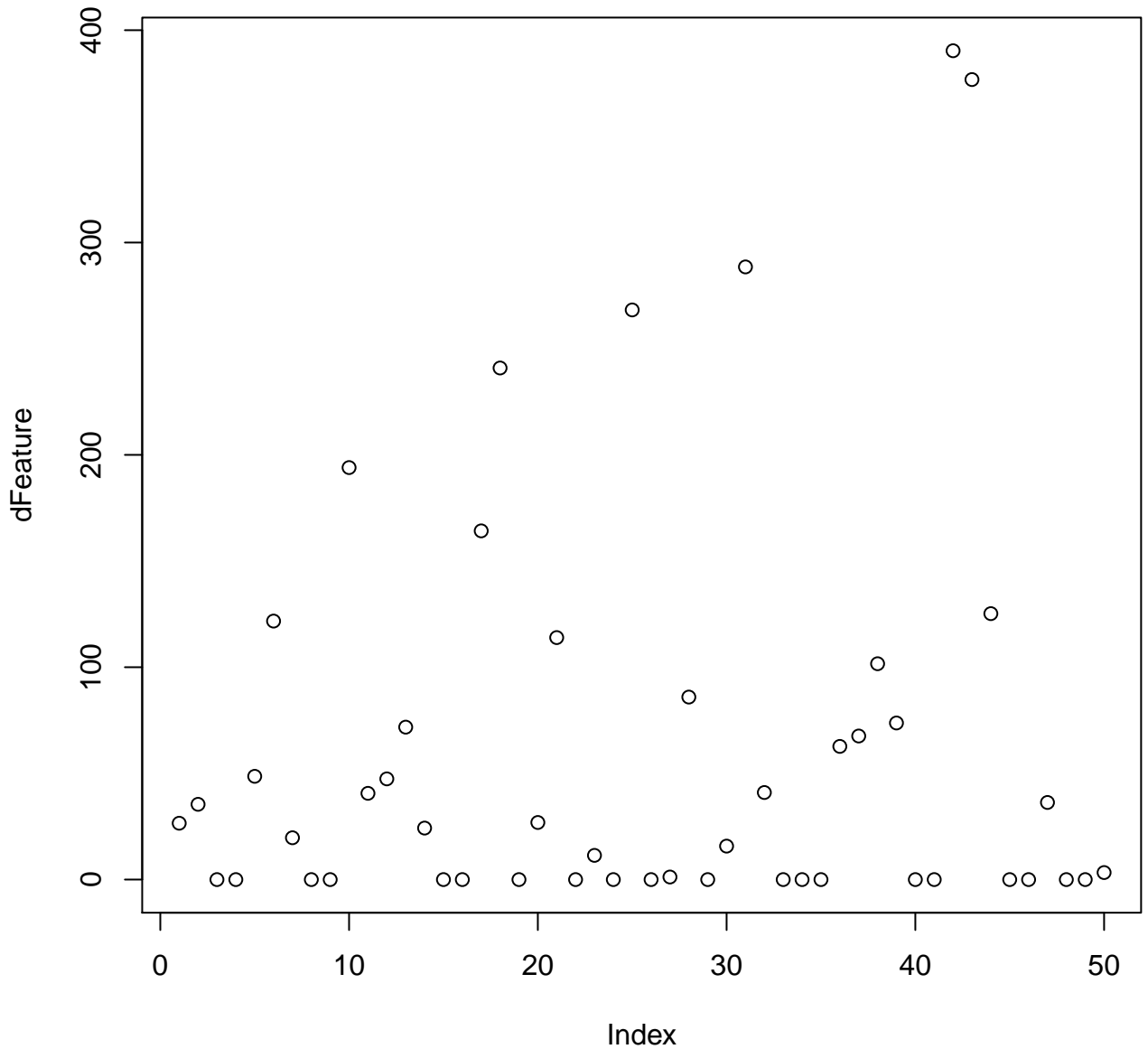
funcMakeFeature Mean (2.4) 6.24 SD(3.97) 1.13 Exp 6.22



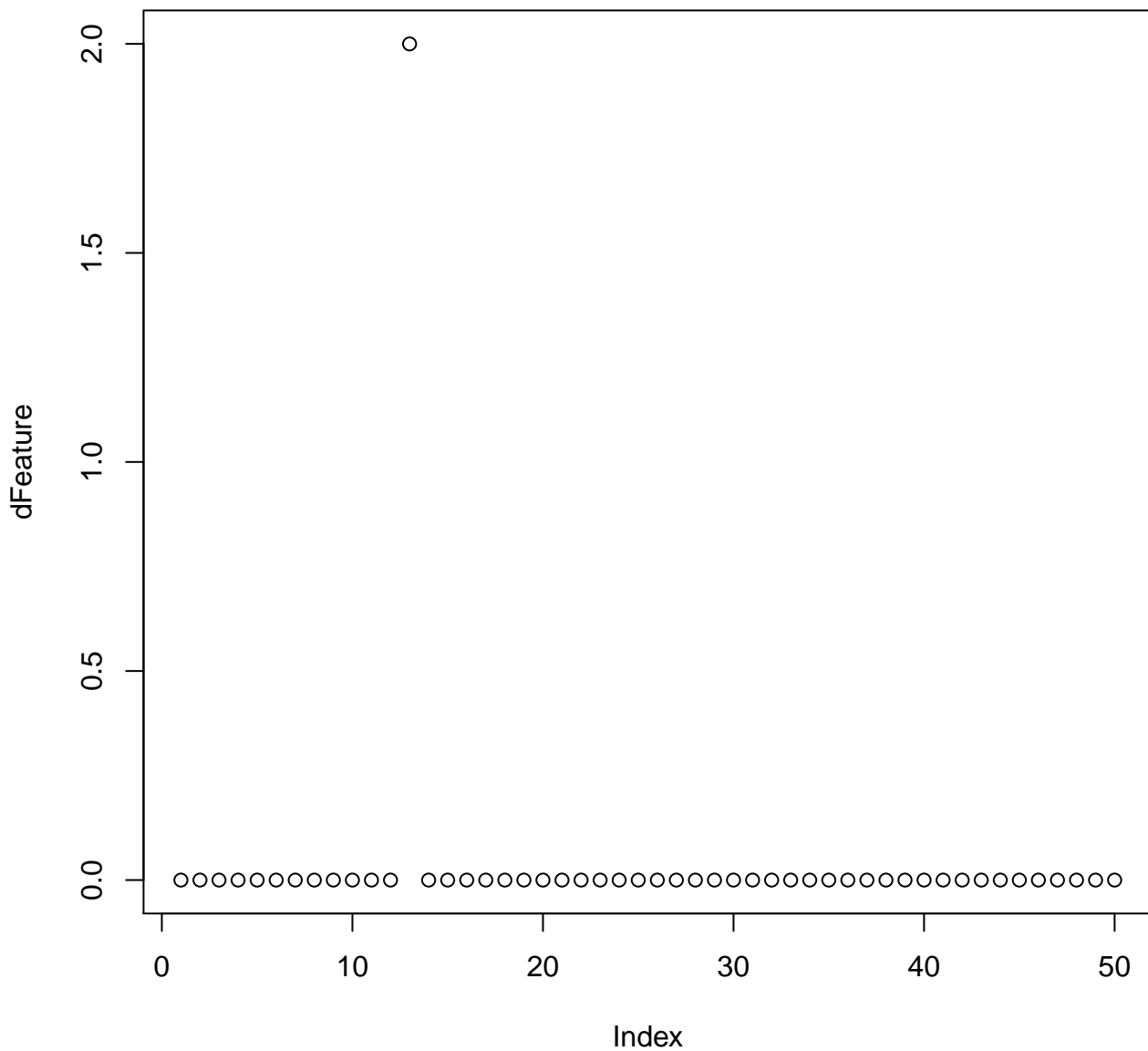
funcMakeFeature Mean (0.22) 0.31 SD(2.14) 1.52 Exp 0.3



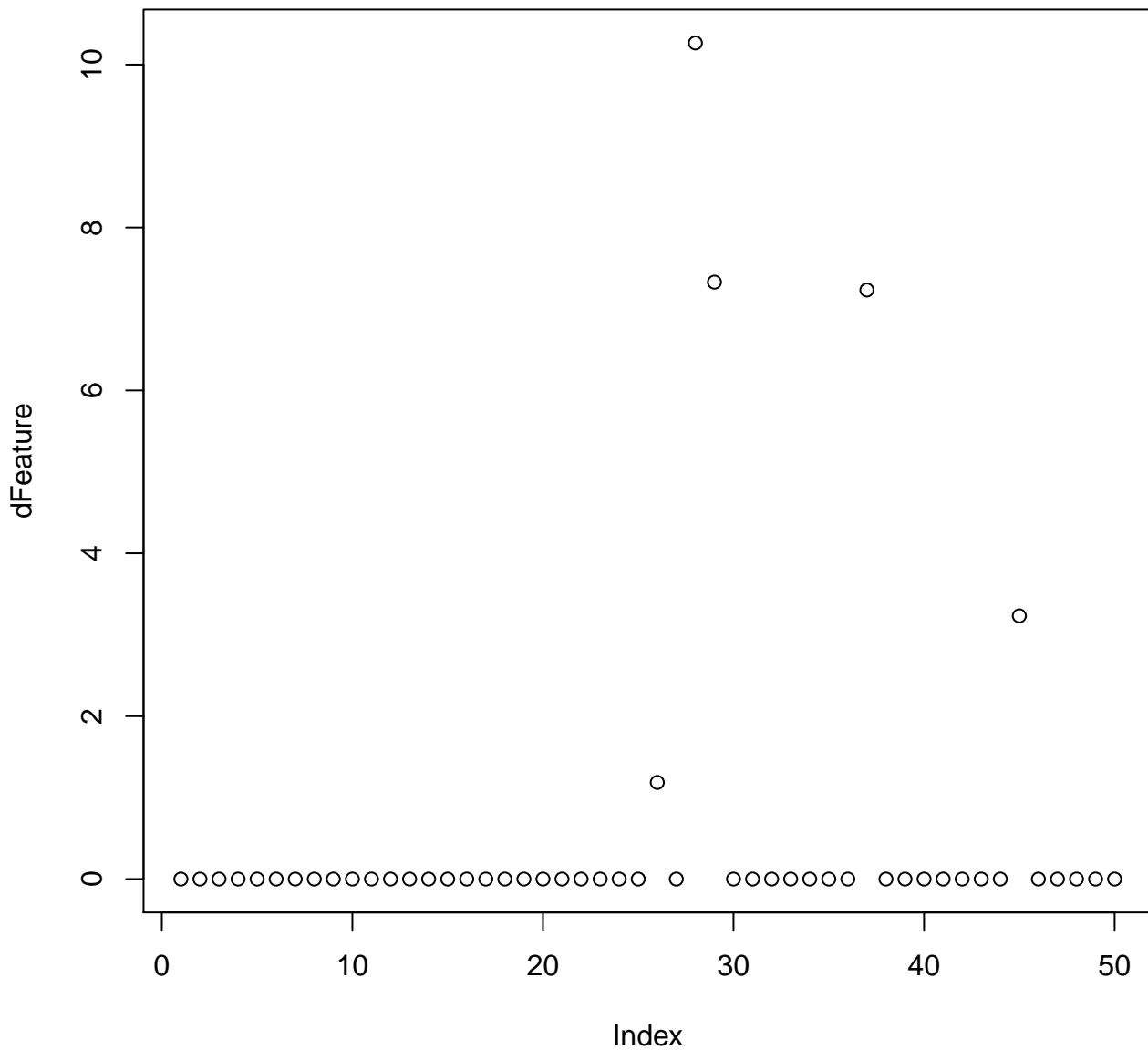
funcMakeFeature Mean (15.19) 62.52 SD(5.38) 1.32 Exp 62.5



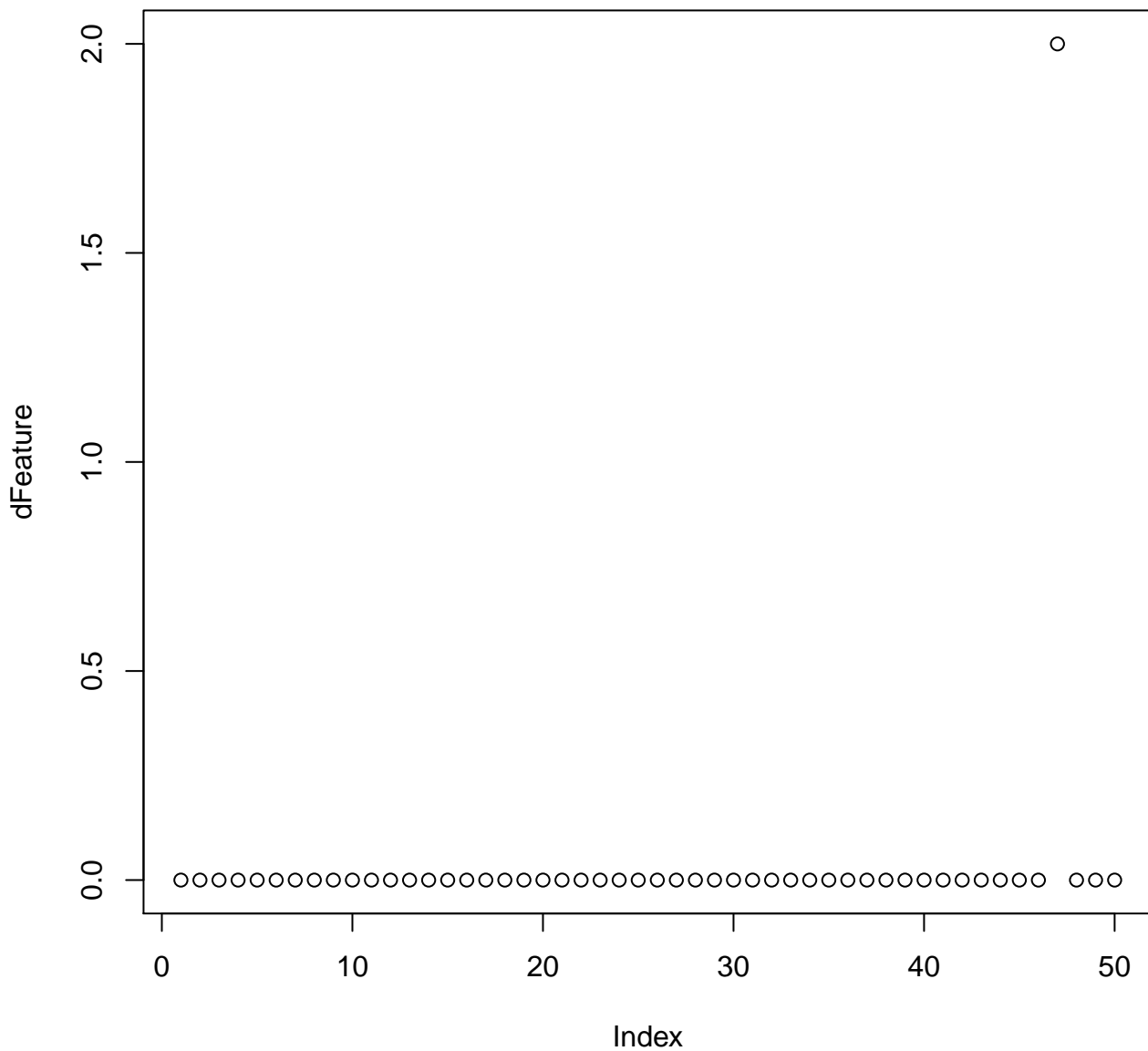
funcMakeFeature Mean (0.24) 0.04 SD(3.86) NA Exp 0.59



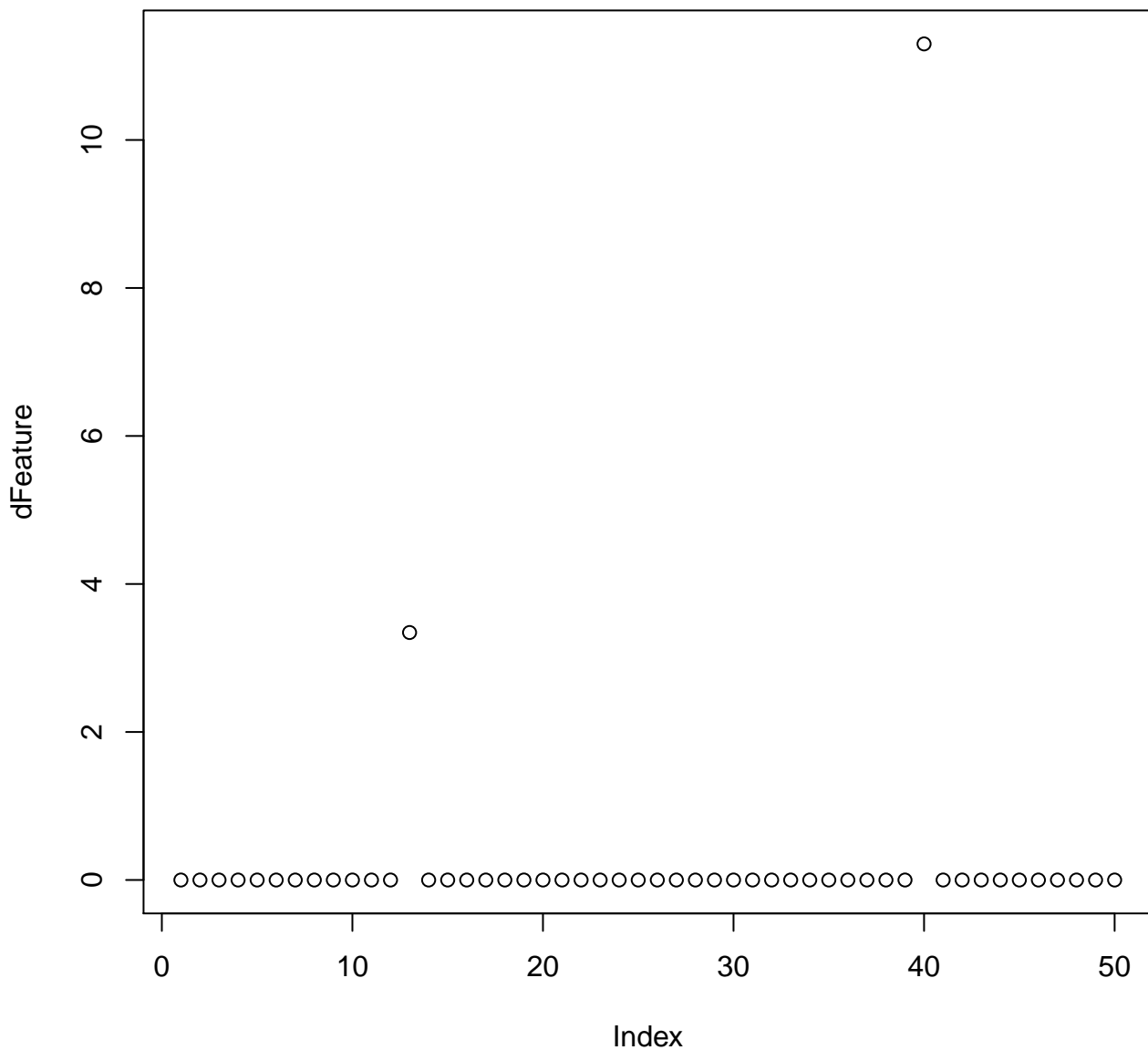
funcMakeFeature Mean (0.41) 0.58 SD(2.3) 0.87 Exp 0.58



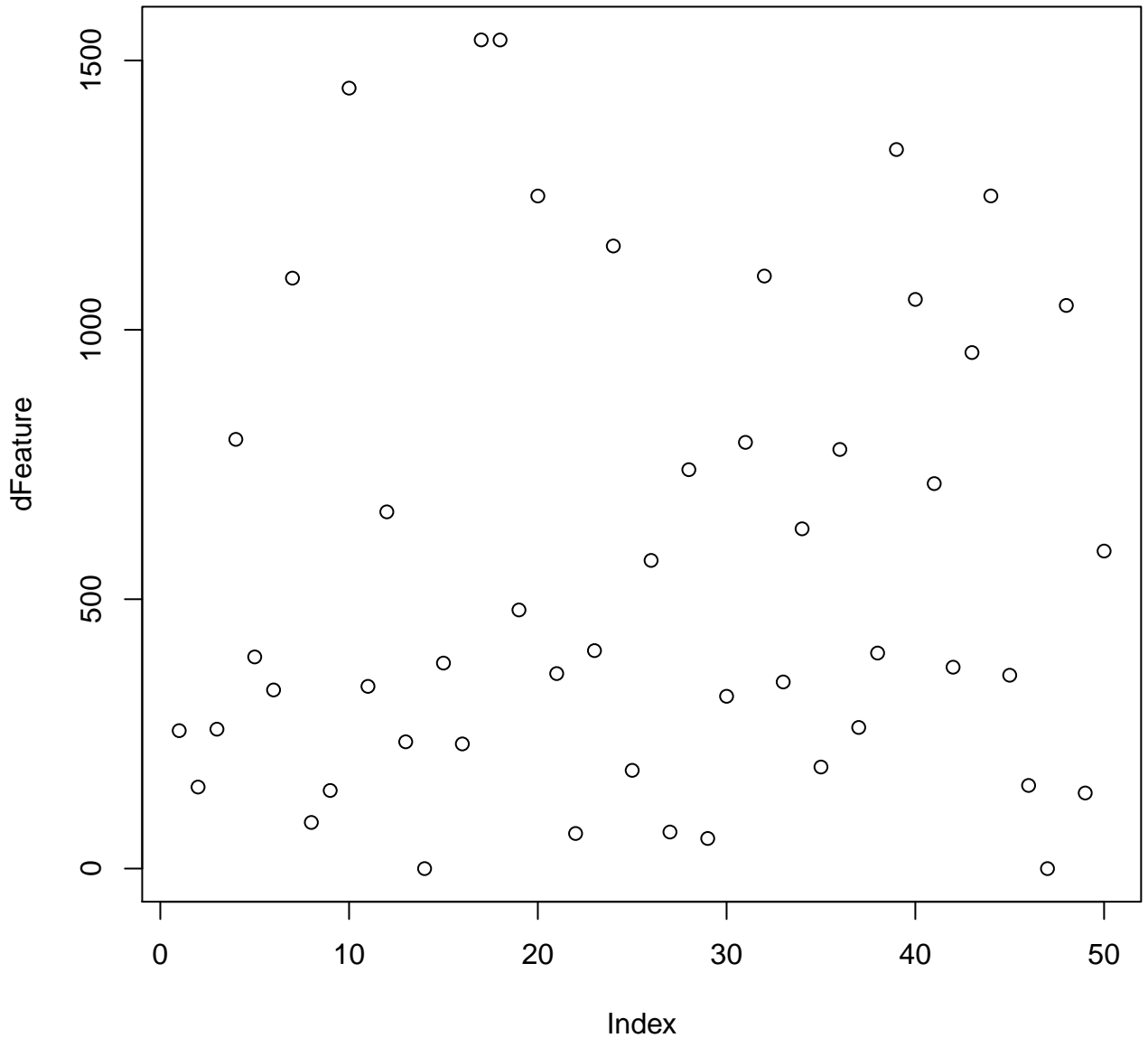
funcMakeFeature Mean (0.47) 0.04 SD(3.22) NA Exp 0.92



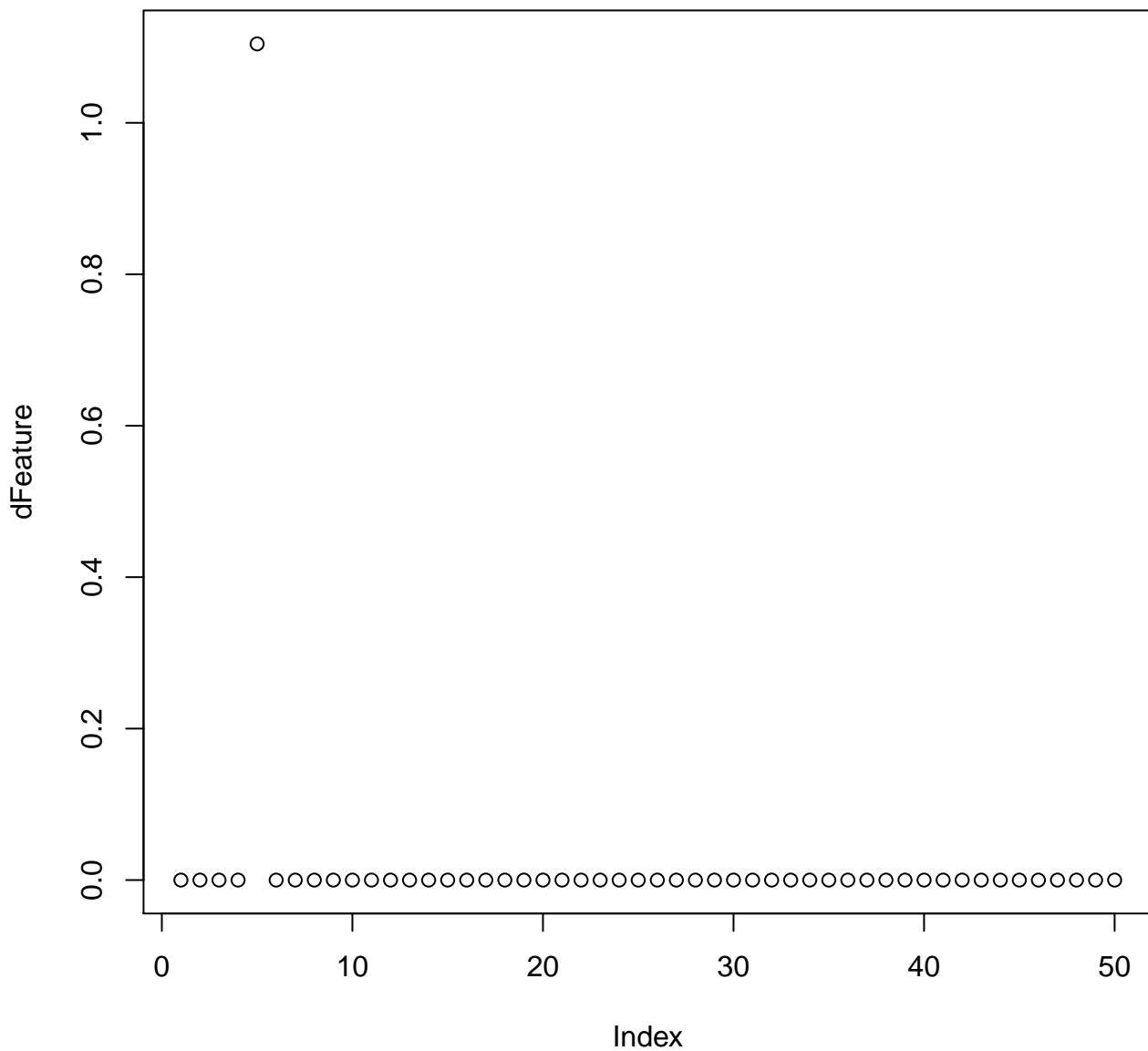
funcMakeFeature Mean (0.2) 0.29 SD(2.33) 0.86 Exp 0.29



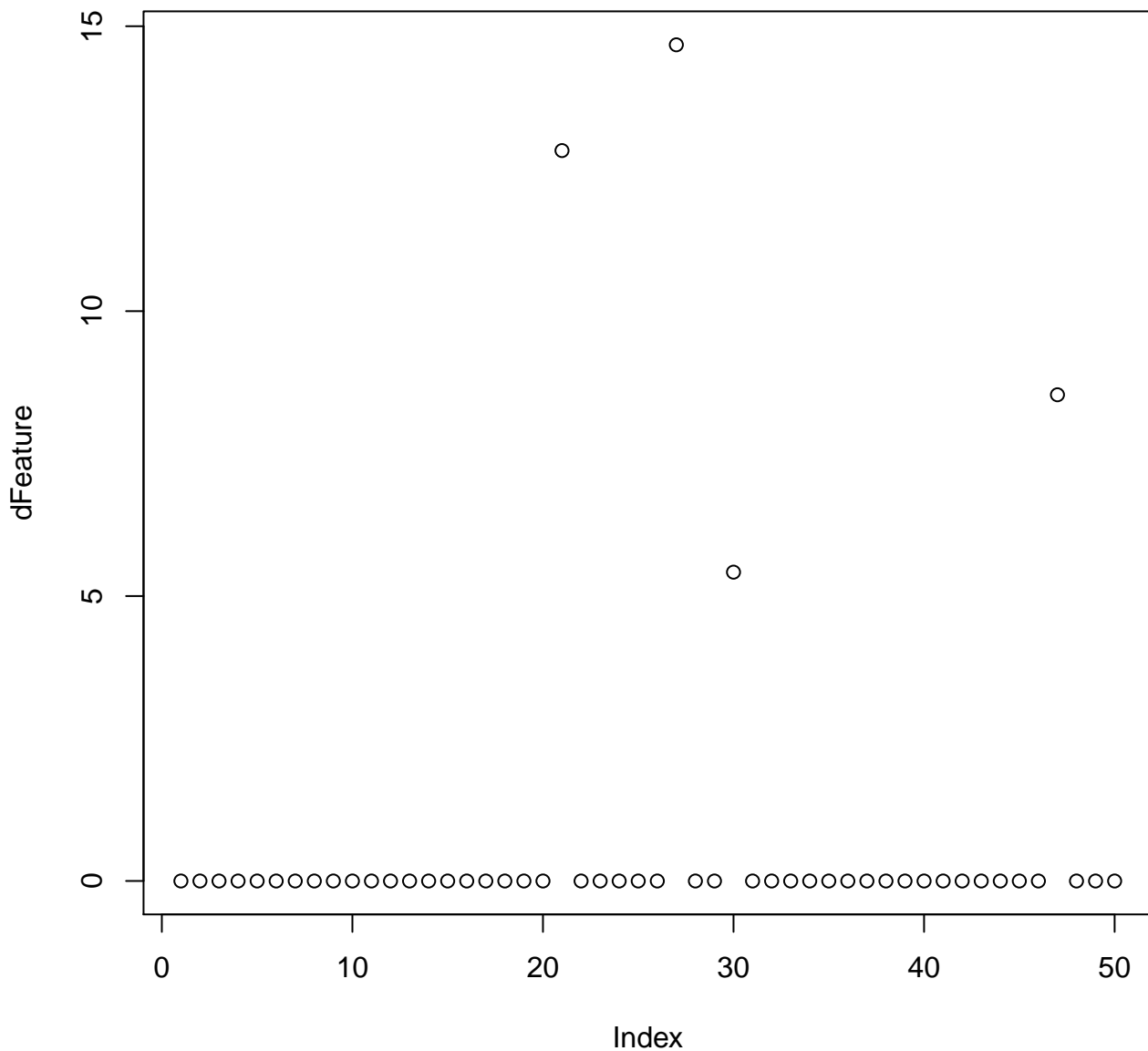
funcMakeFeature Mean (167.88) 560.25 SD(4.72) 0.89 Exp 560.25



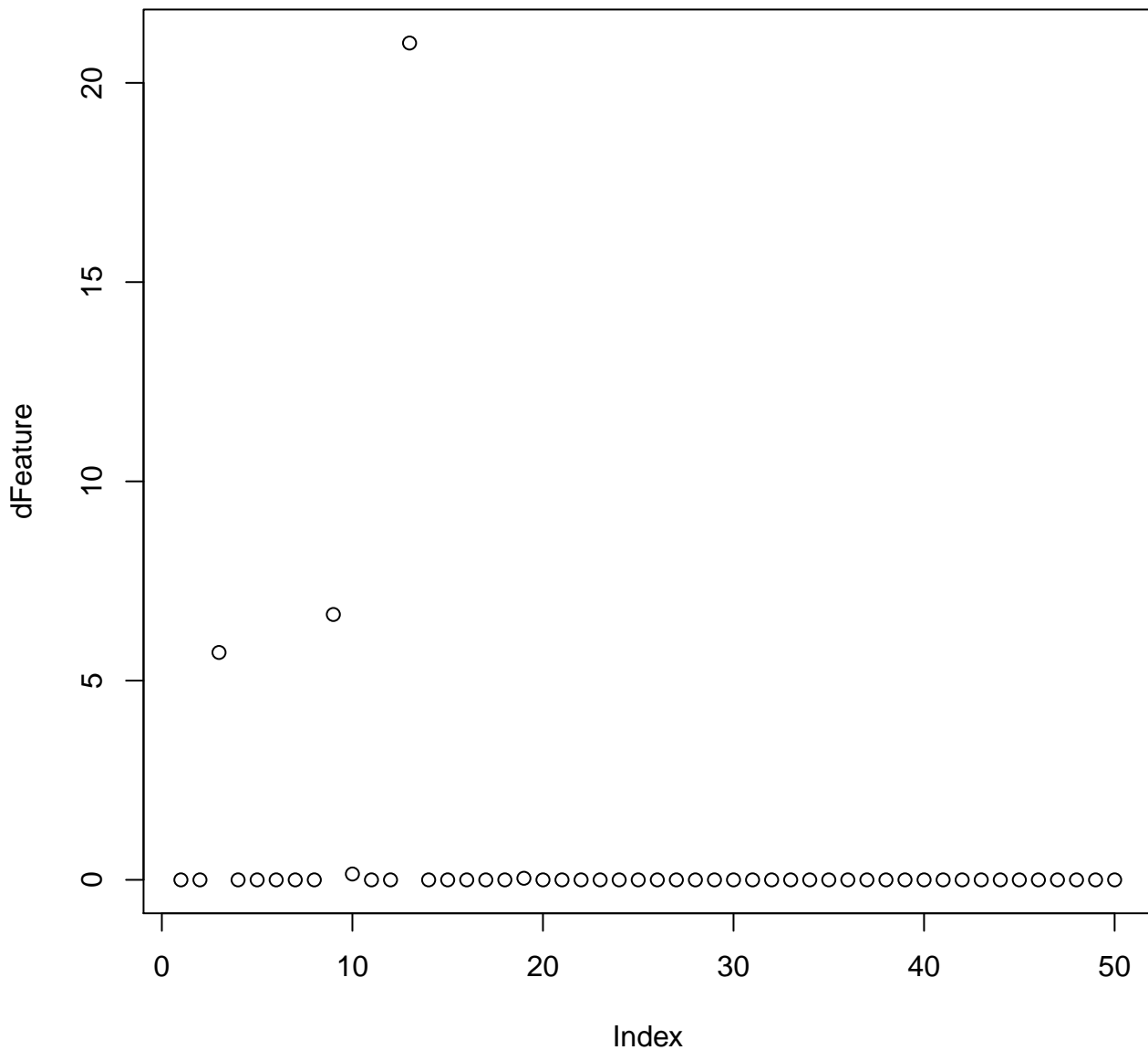
funcMakeFeature Mean (0.22) 0.02 SD(2.47) NA Exp 0.33



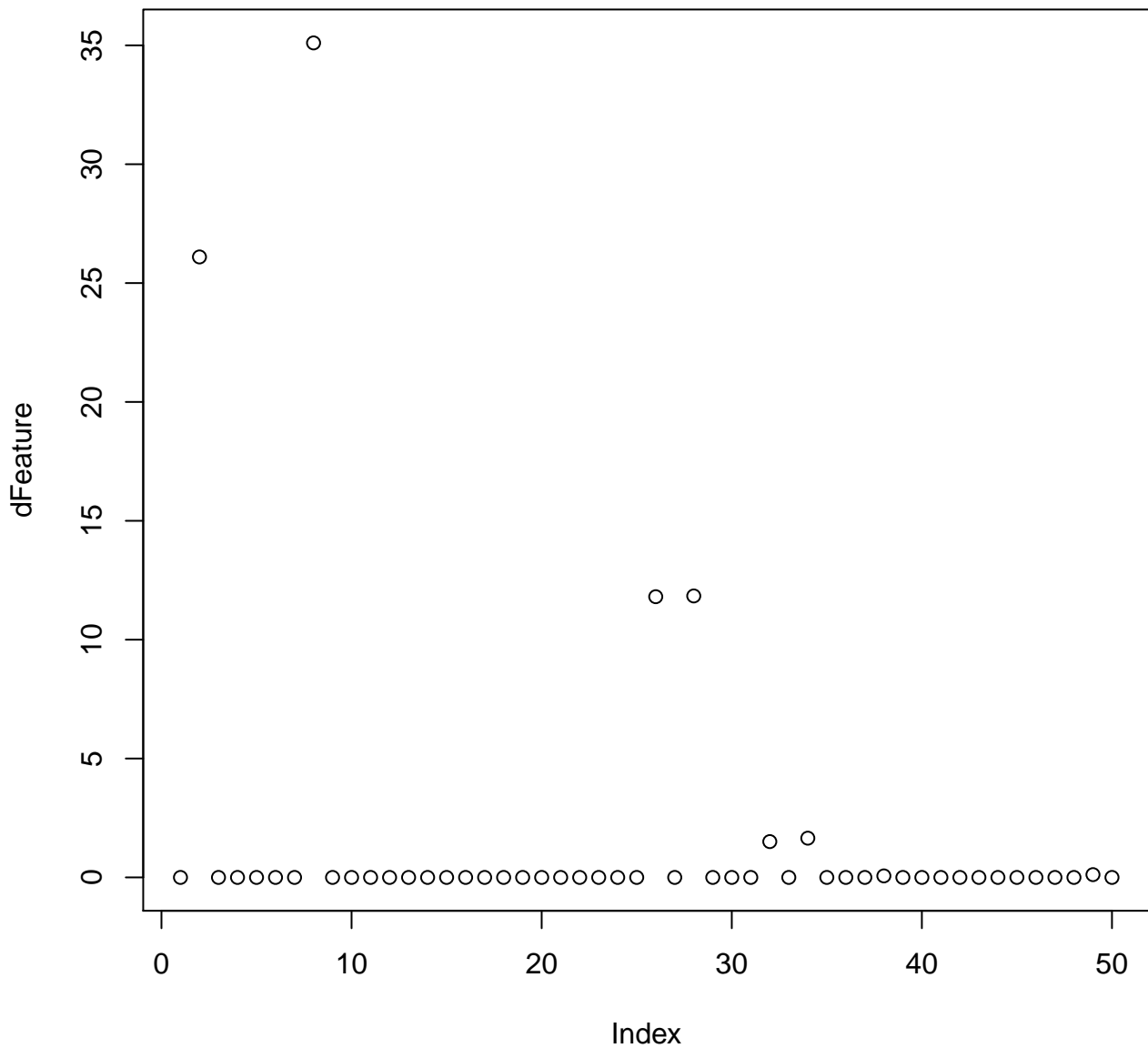
funcMakeFeature Mean (0.41) 0.83 SD(3.25) 0.45 Exp 0.82



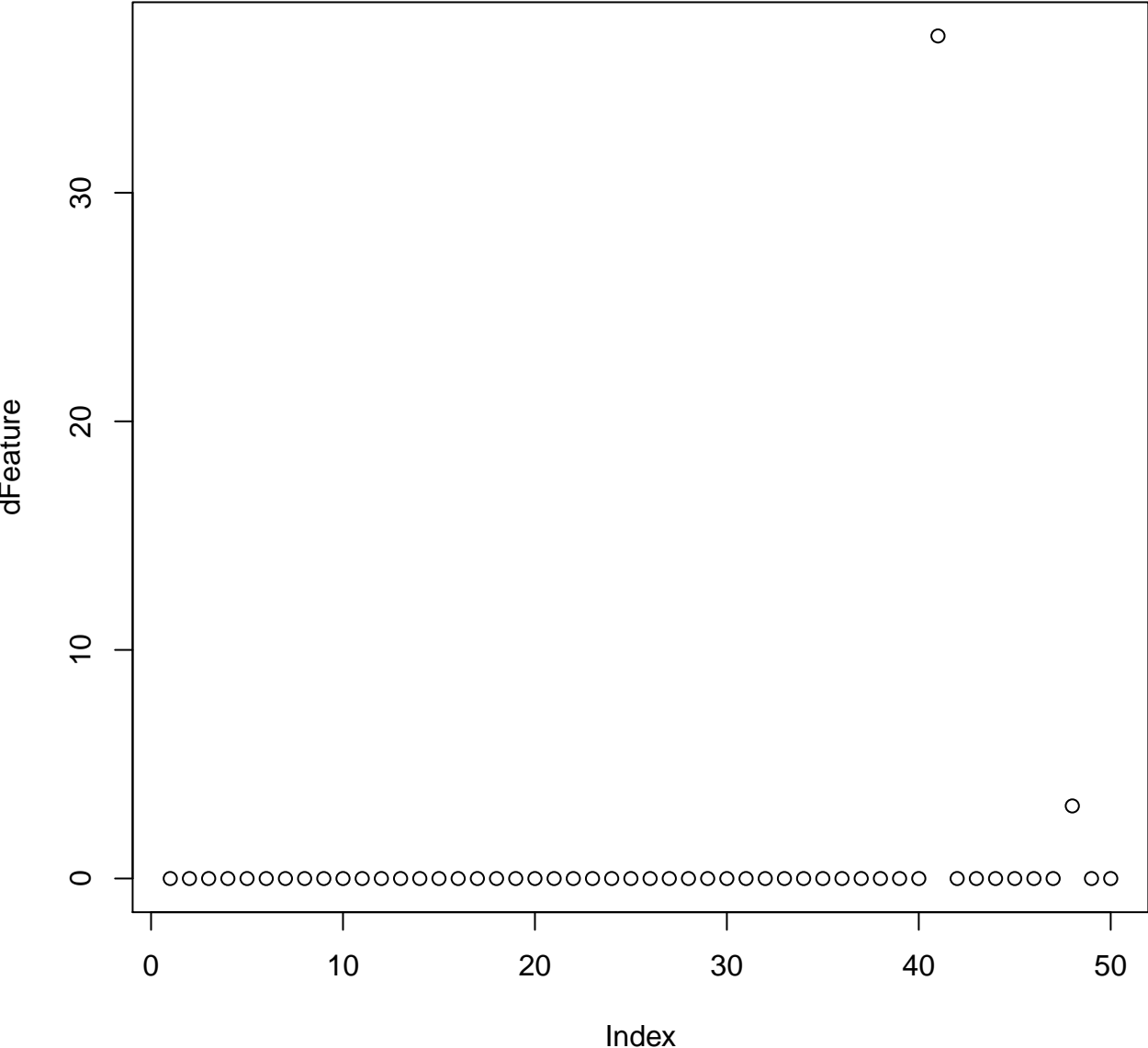
funcMakeFeature Mean (0.39) 0.67 SD(2.81) 2.71 Exp 0.66



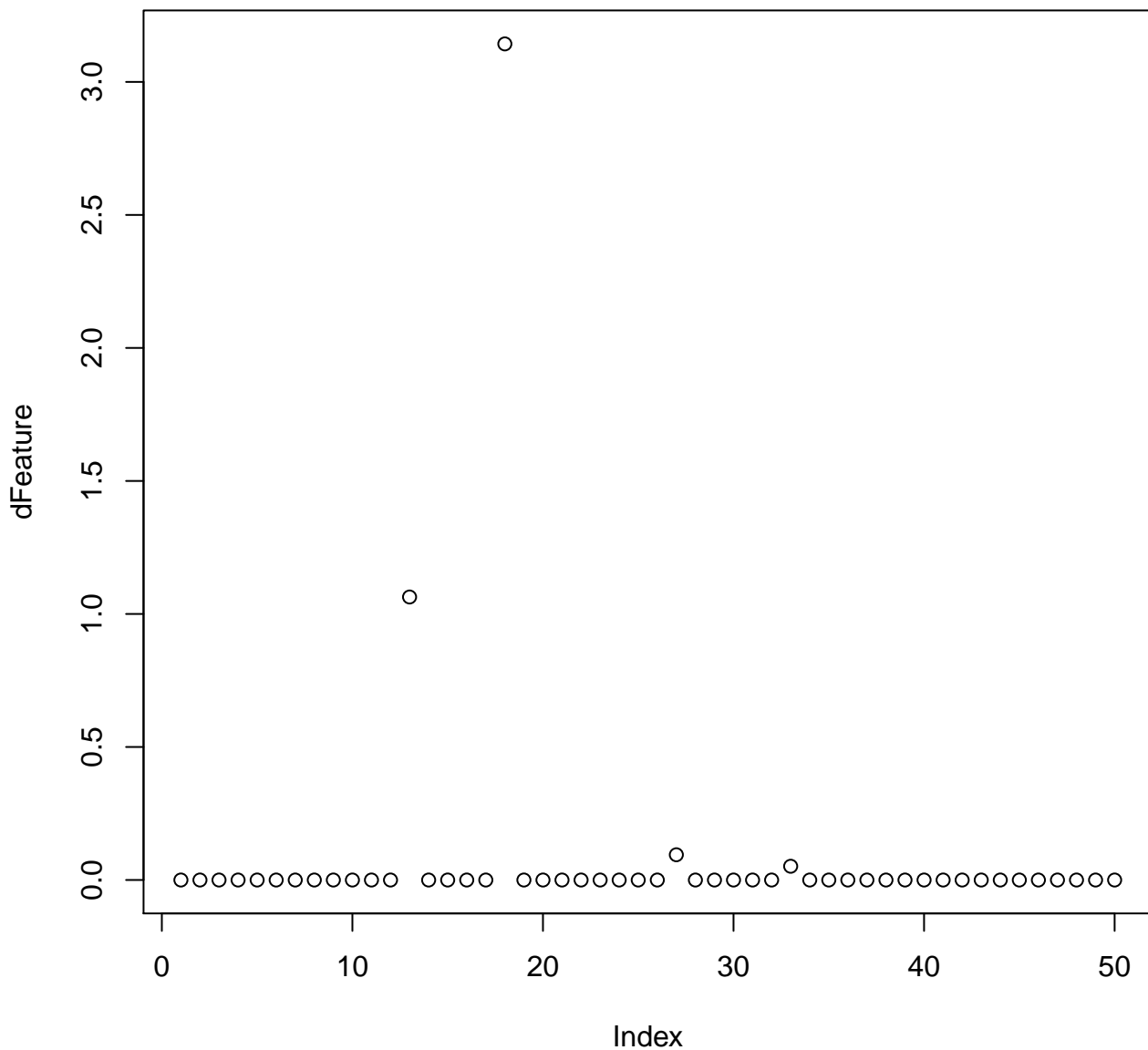
funcMakeFeature Mean (0.75) 1.76 SD(3.66) 2.41 Exp 1.75



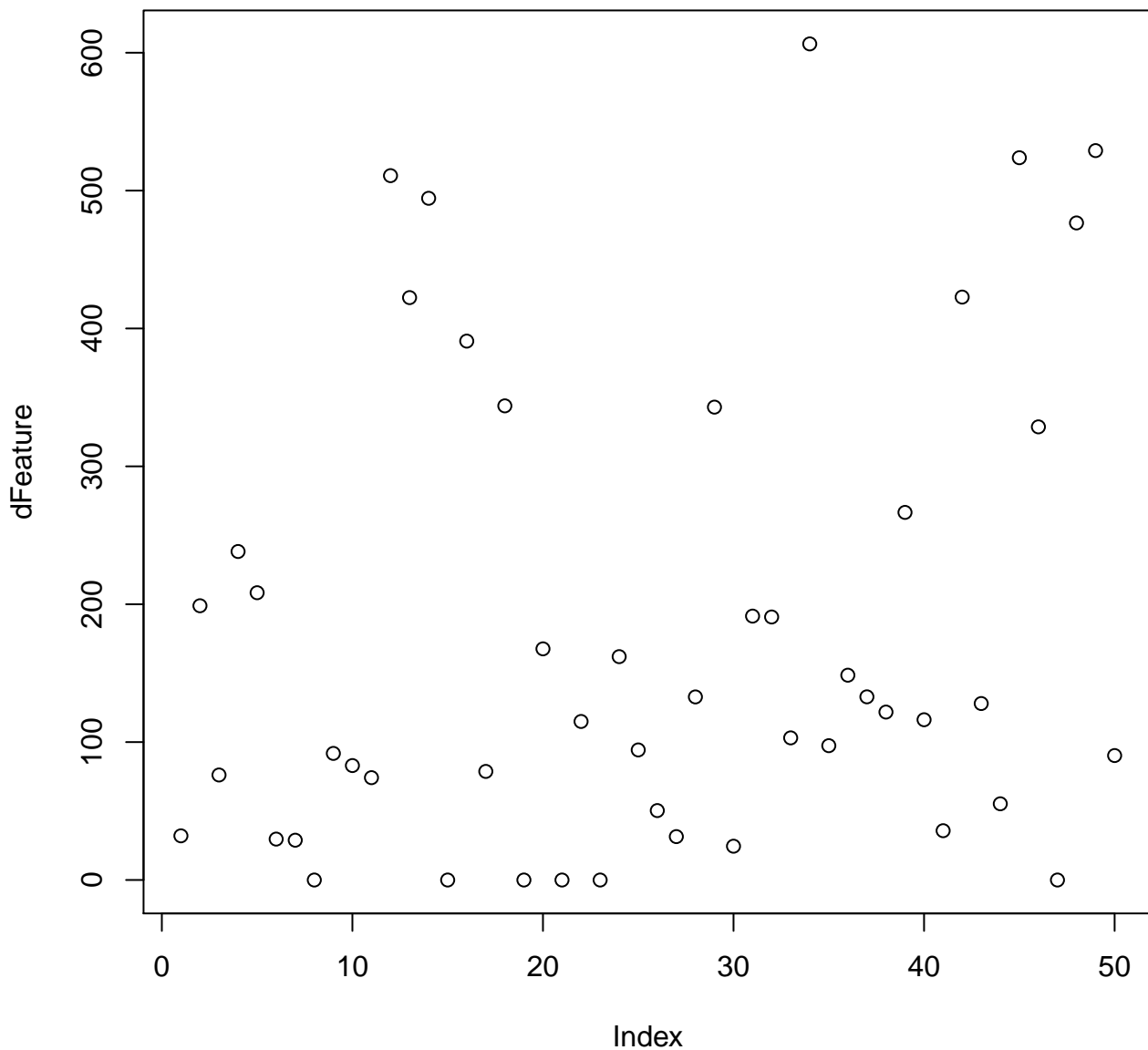
funcMakeFeature Mean (0.45) 0.8 SD(2.9) 1.73 Exp 0.79



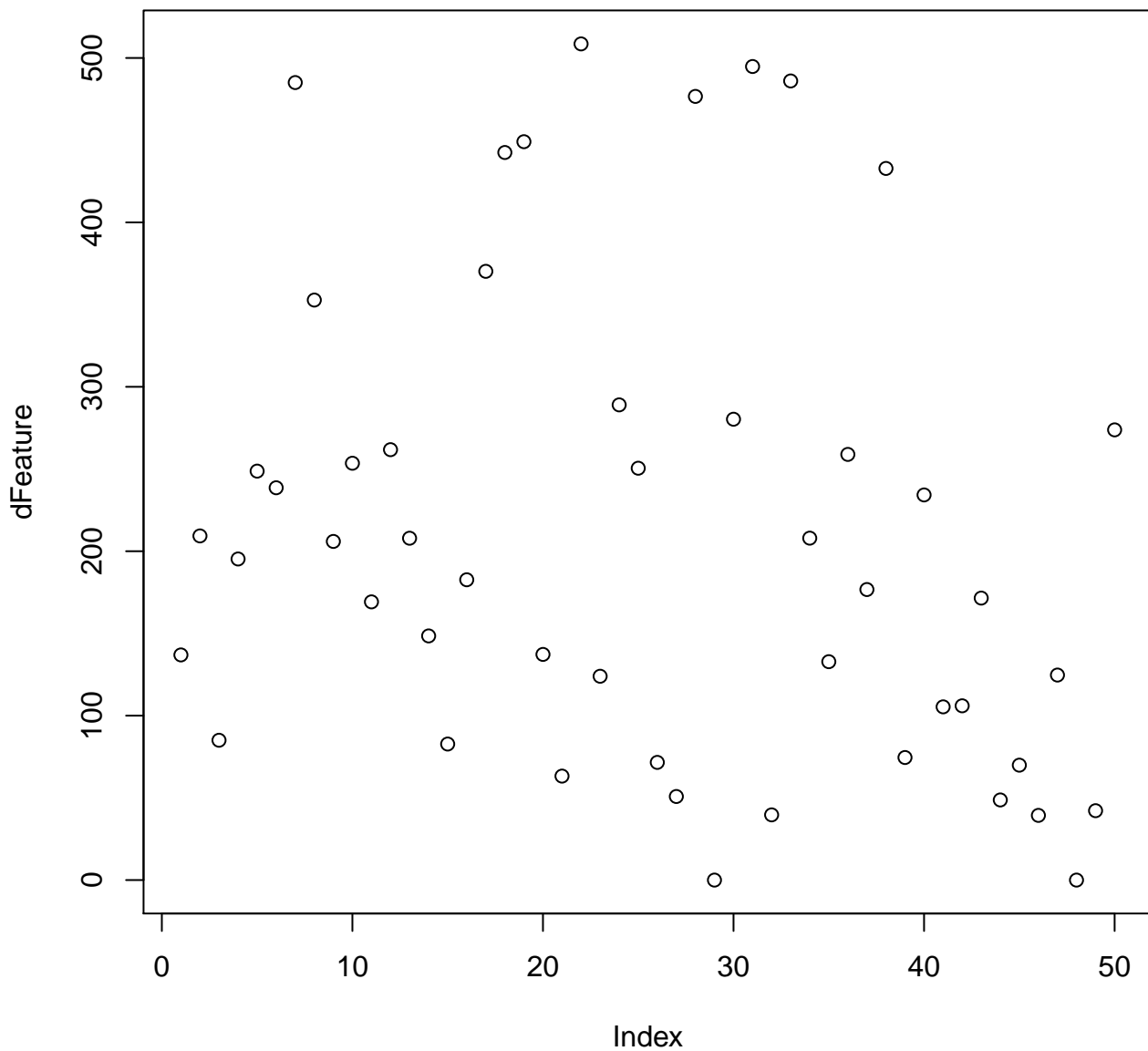
funcMakeFeature Mean (0.08) 0.09 SD(1.32) 1.95 Exp 0.08



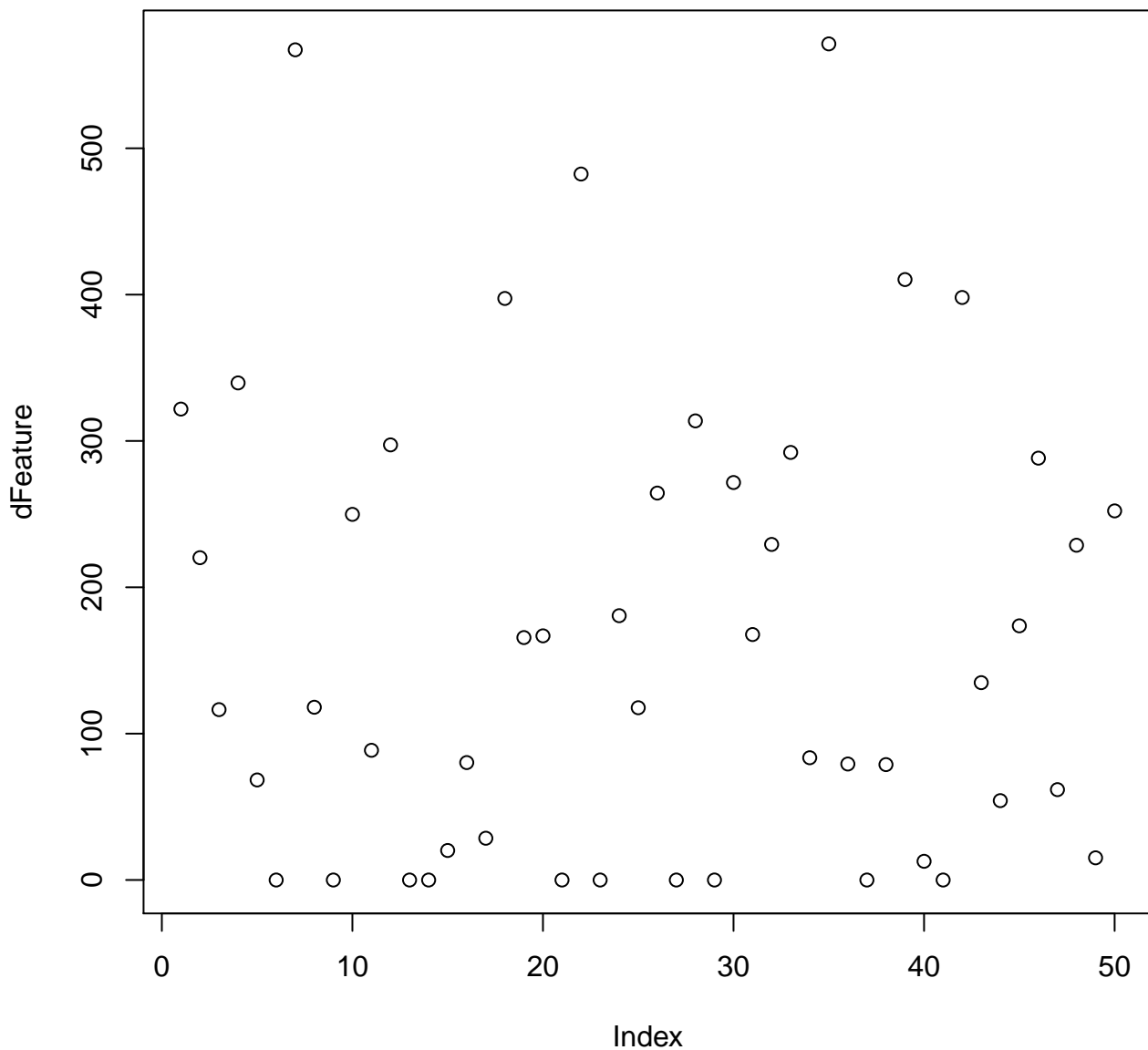
funcMakeFeature Mean (52.11) 179.78 SD(4.82) 0.91 Exp 179.77



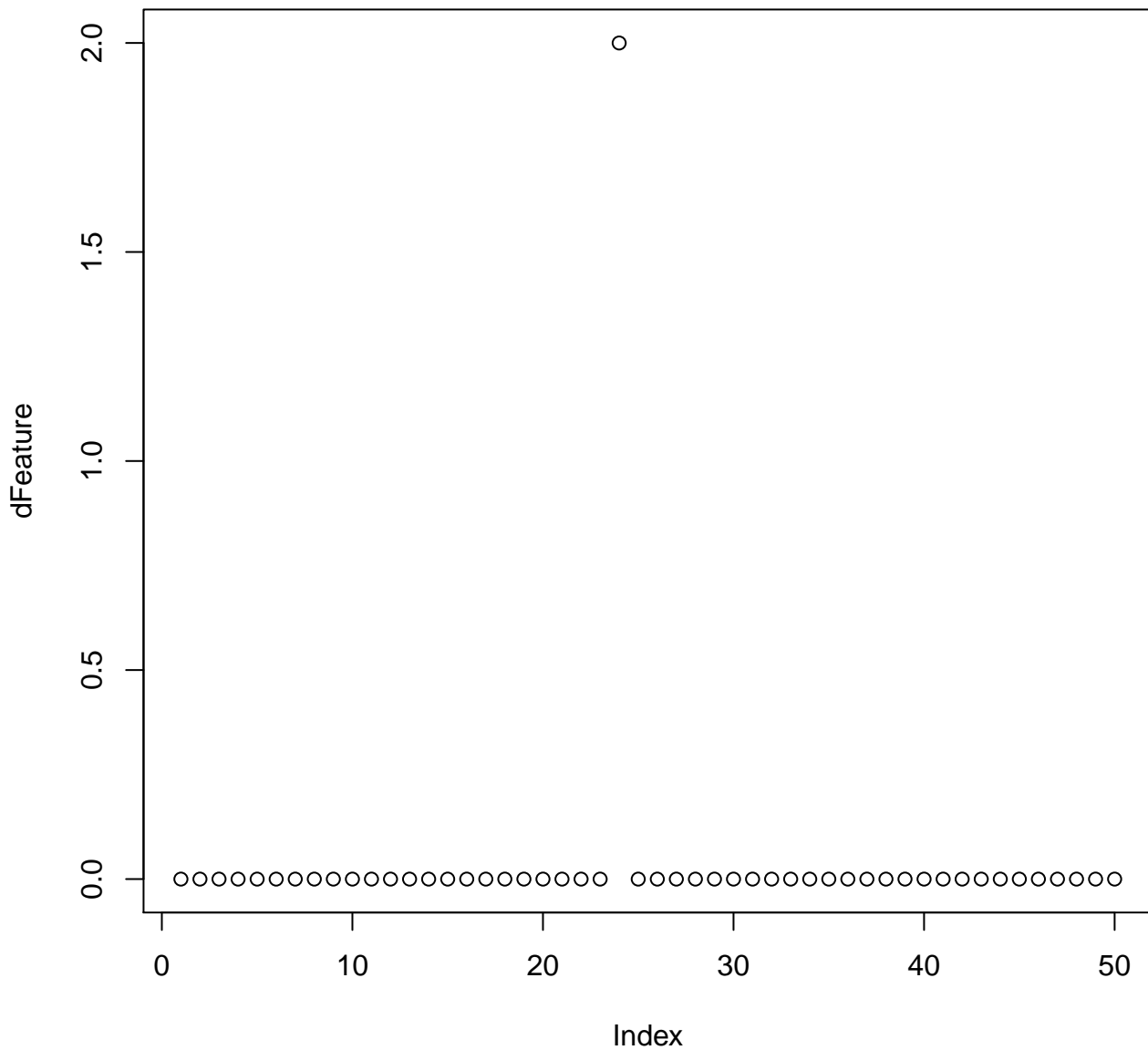
funcMakeFeature Mean (84.63) 209.96 SD(3.85) 0.74 Exp 209.96



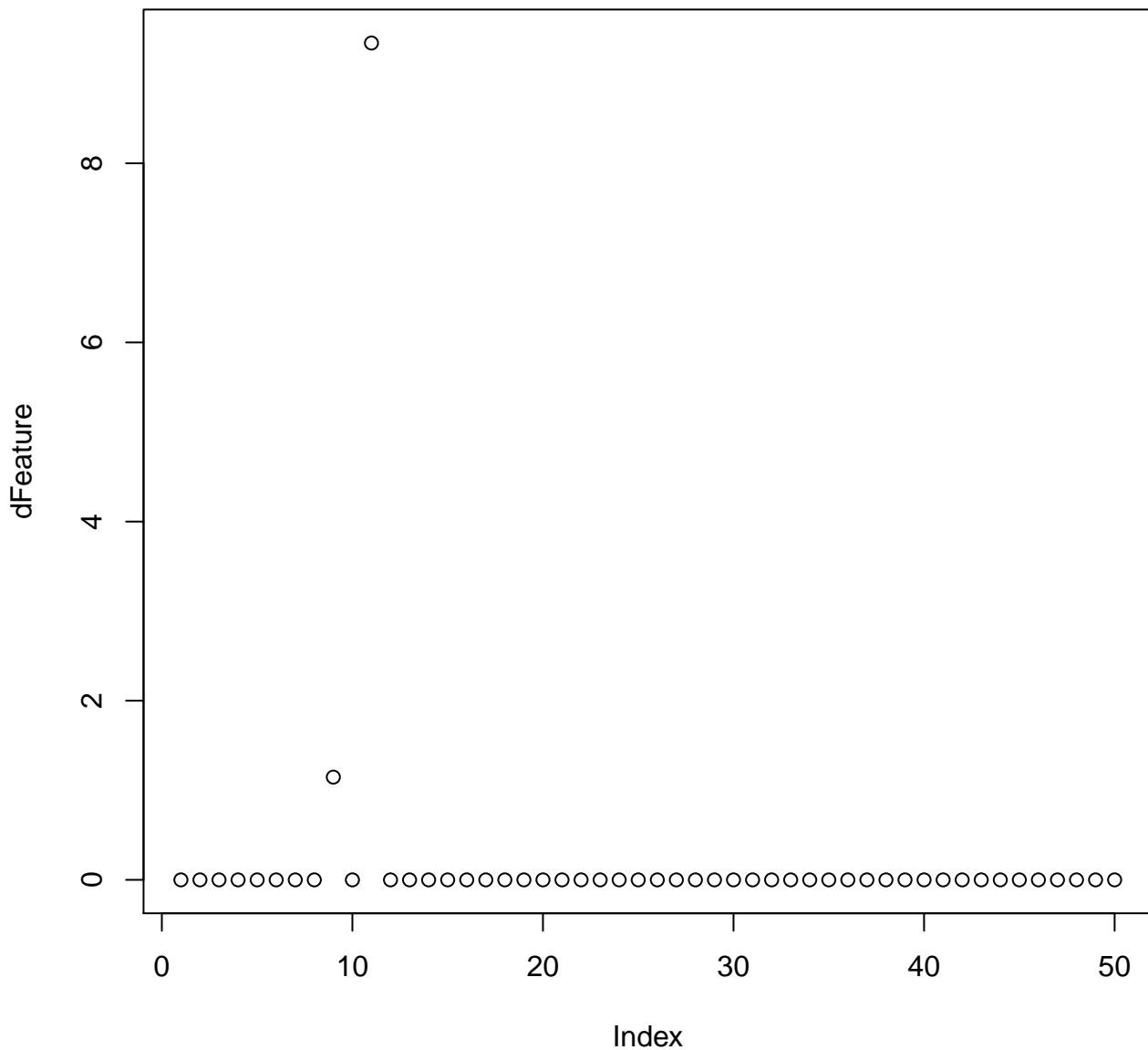
funcMakeFeature Mean (49.85) 168.19 SD(4.76) 0.95 Exp 168.19



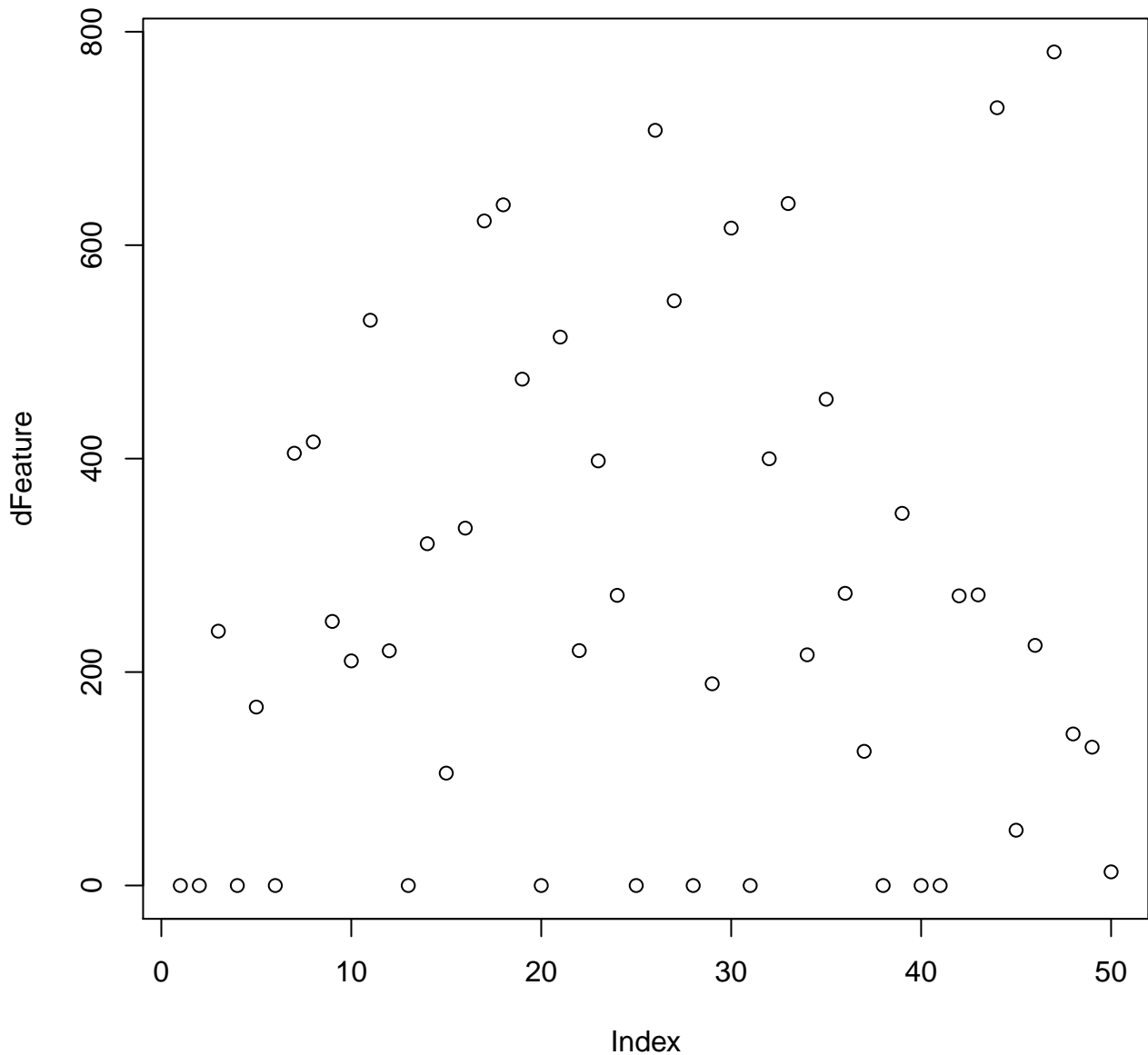
funcMakeFeature Mean (0.09) 0.04 SD(3.02) NA Exp 0.16



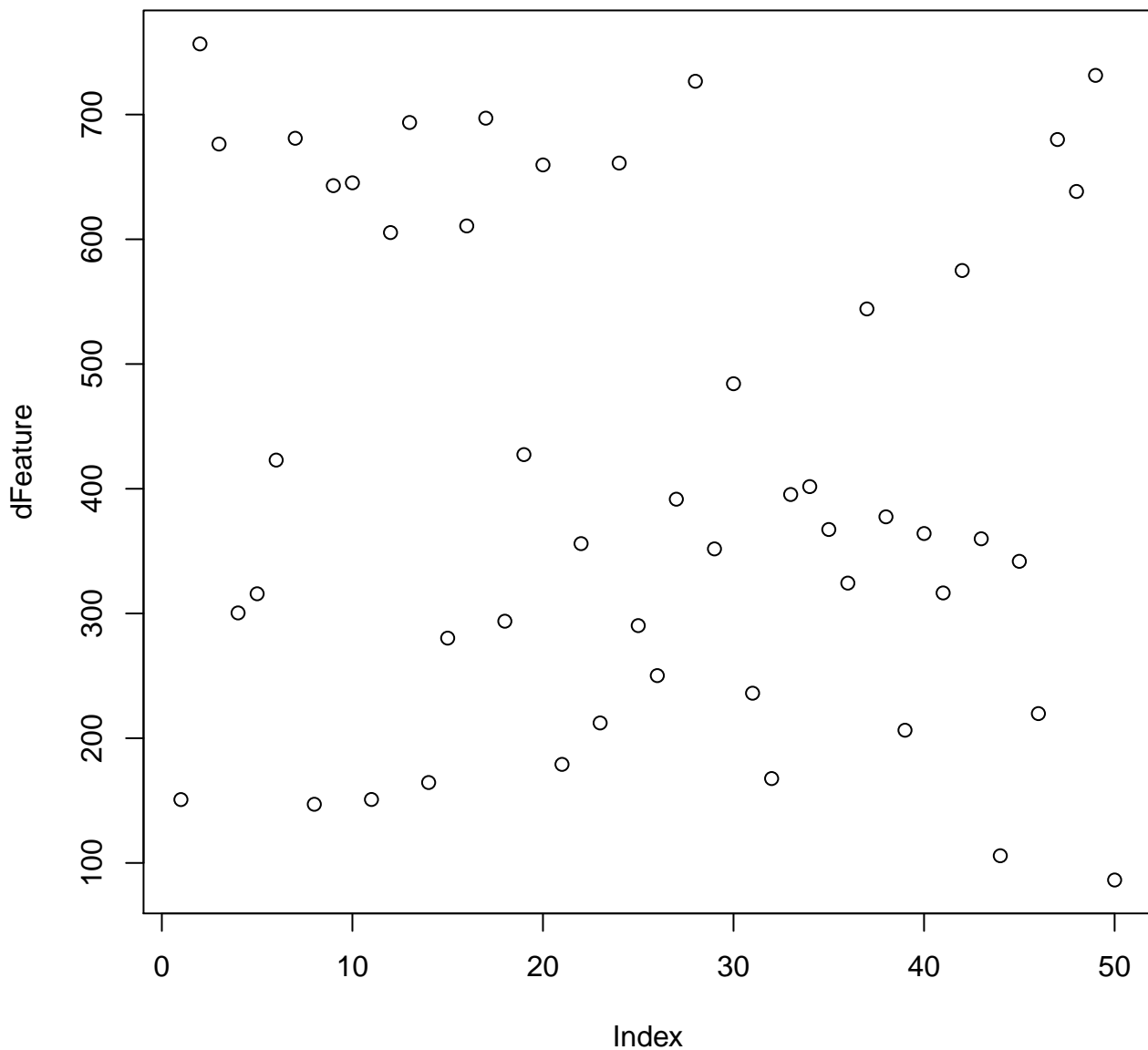
funcMakeFeature Mean (0.15) 0.21 SD(2.06) 1.48 Exp 0.19



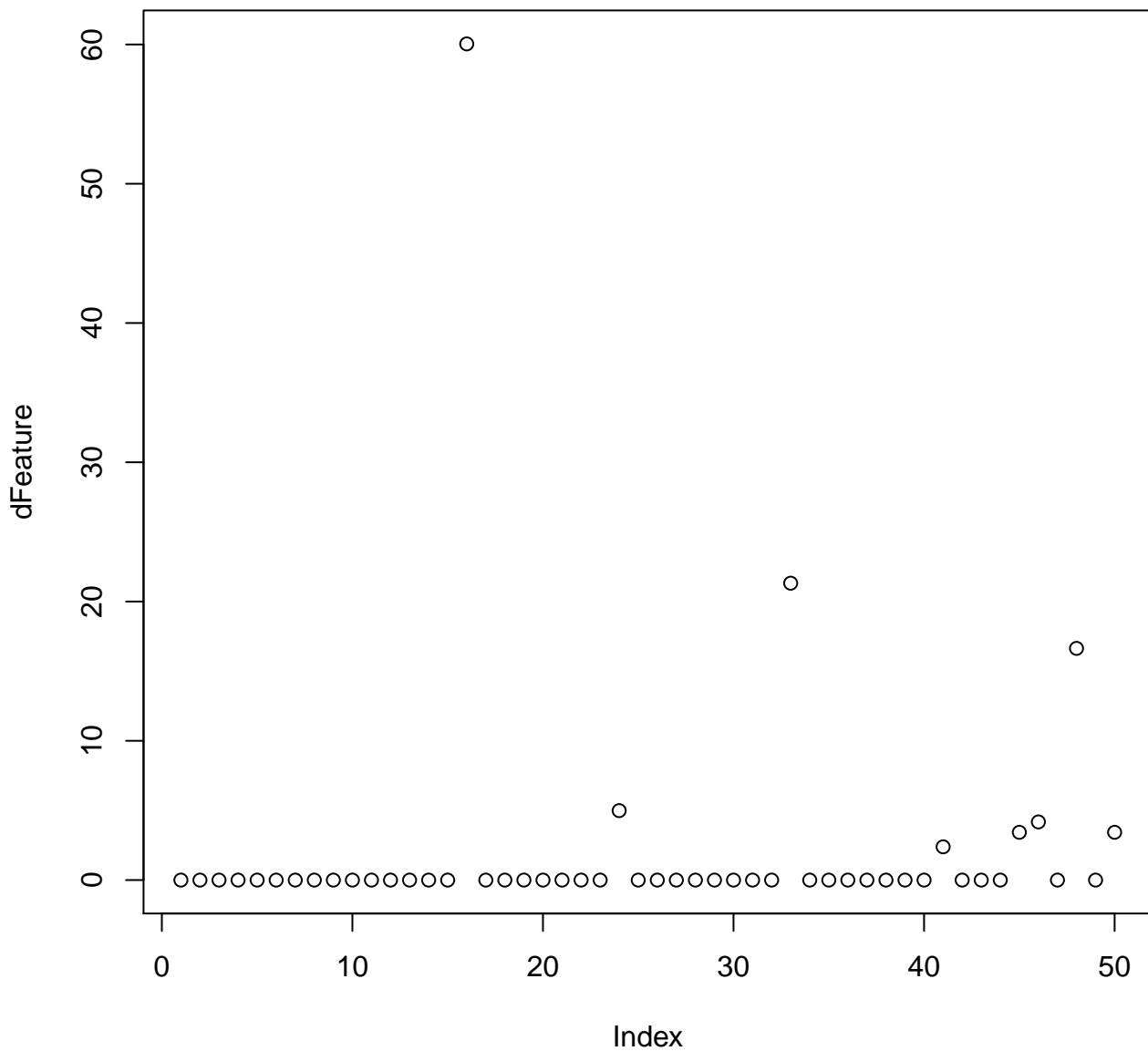
funcMakeFeature Mean (75.16) 269.35 SD(4.94) 0.8 Exp 269.35



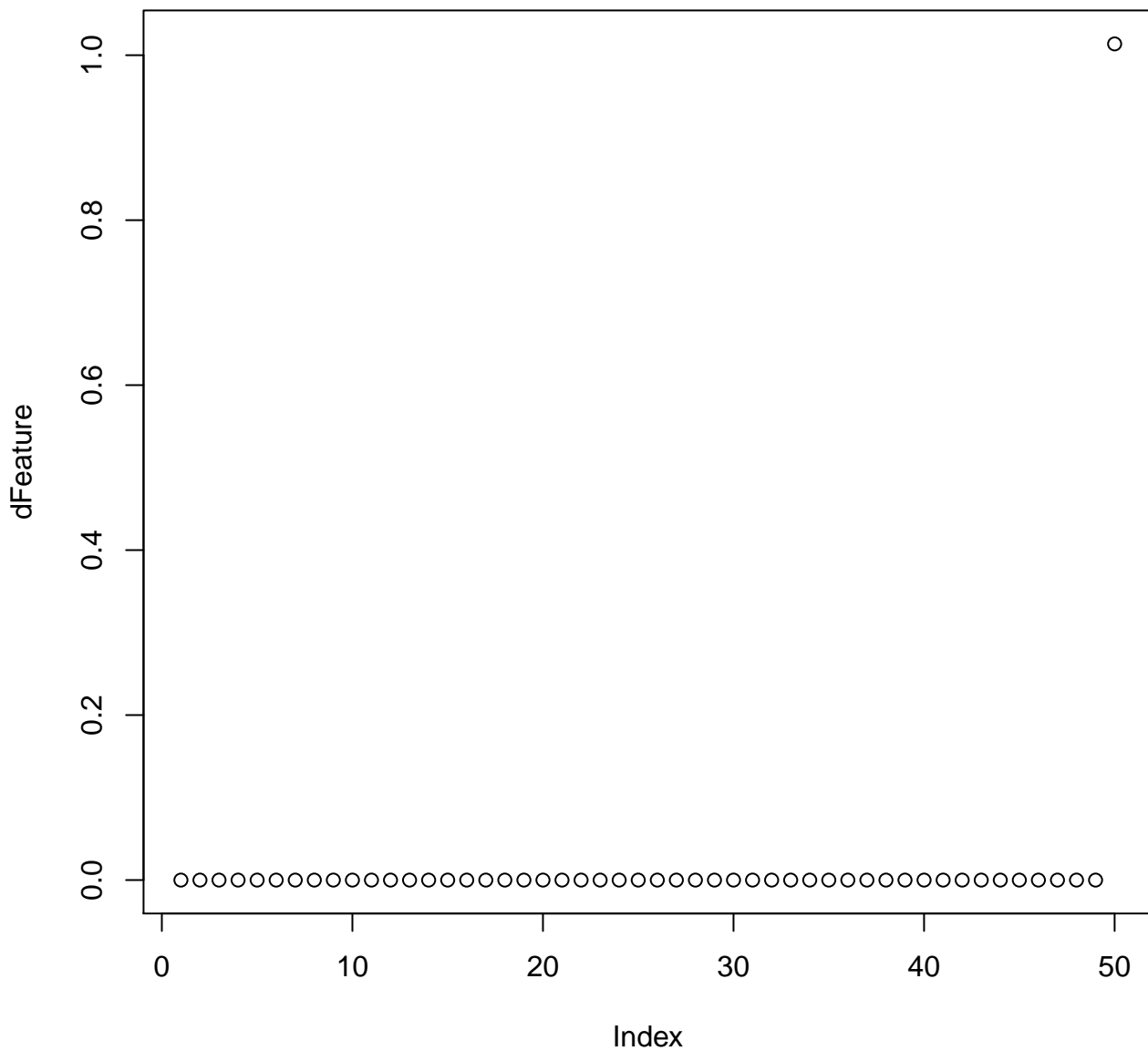
funcMakeFeature Mean (267.99) 413.32 SD(2.54) 0.56 Exp 413.31



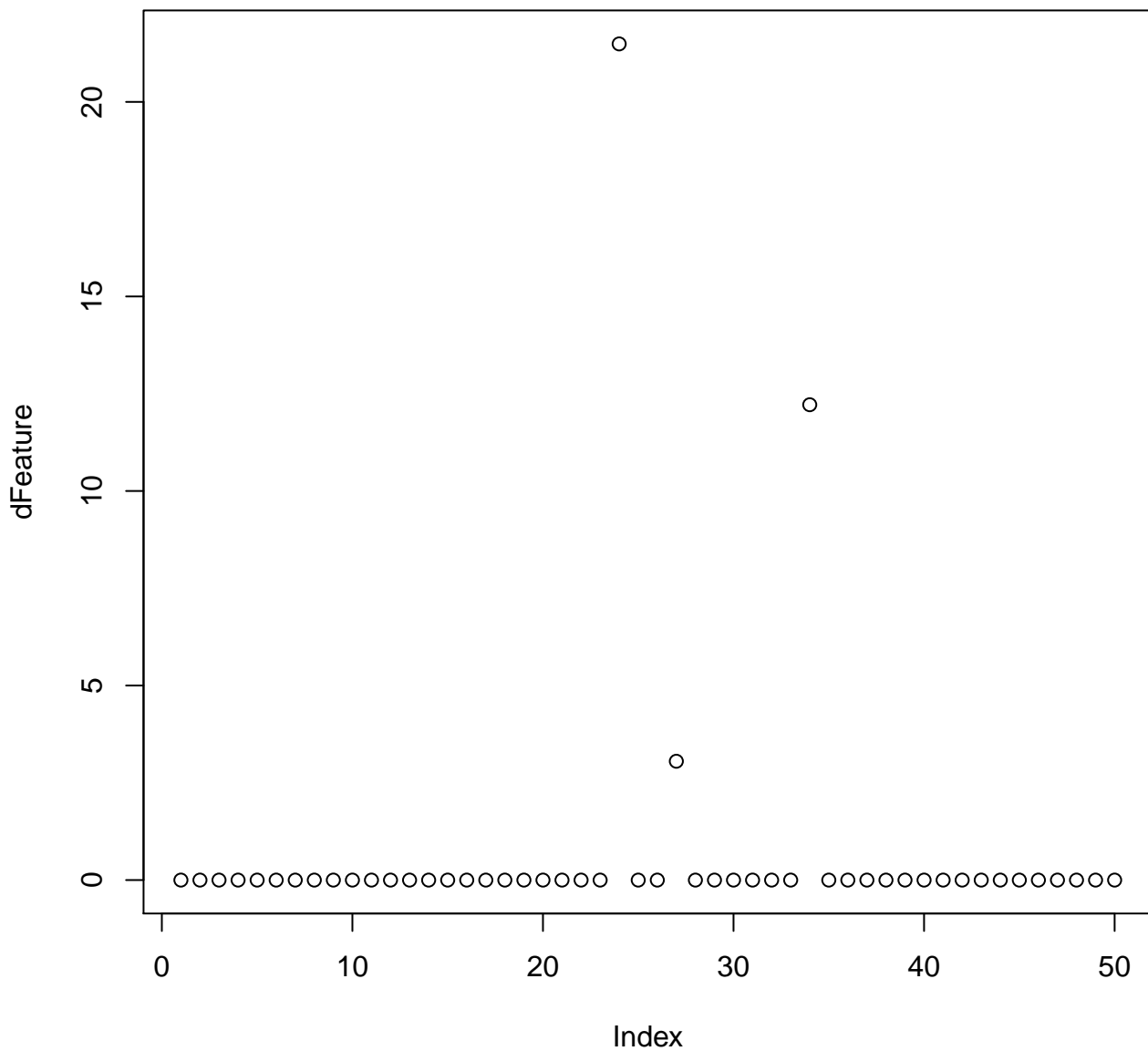
funcMakeFeature Mean (1.01) 2.33 SD(3.65) 1.14 Exp 2.33



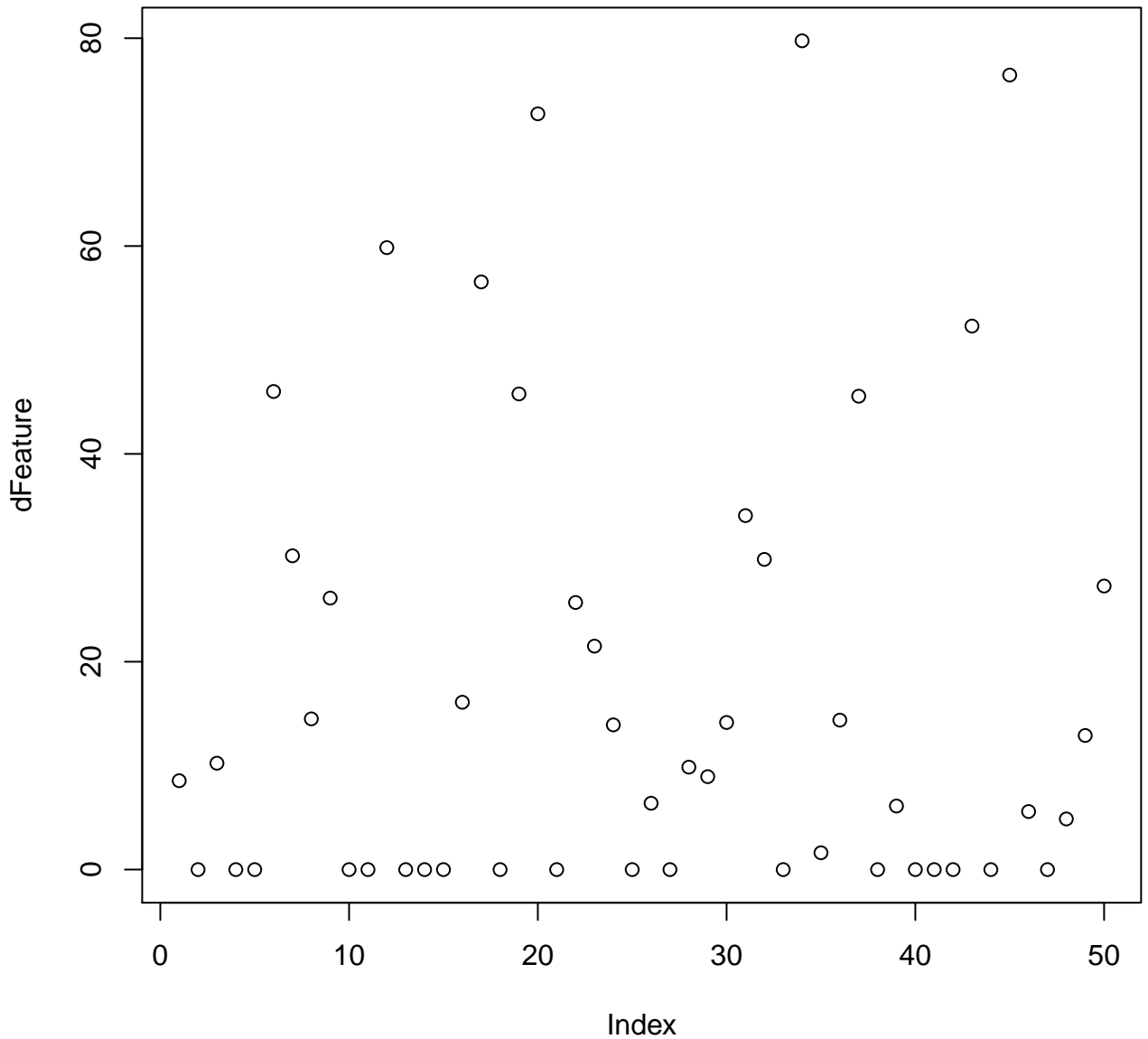
funcMakeFeature Mean (0.06) 0.02 SD(2.23) NA Exp 0.08



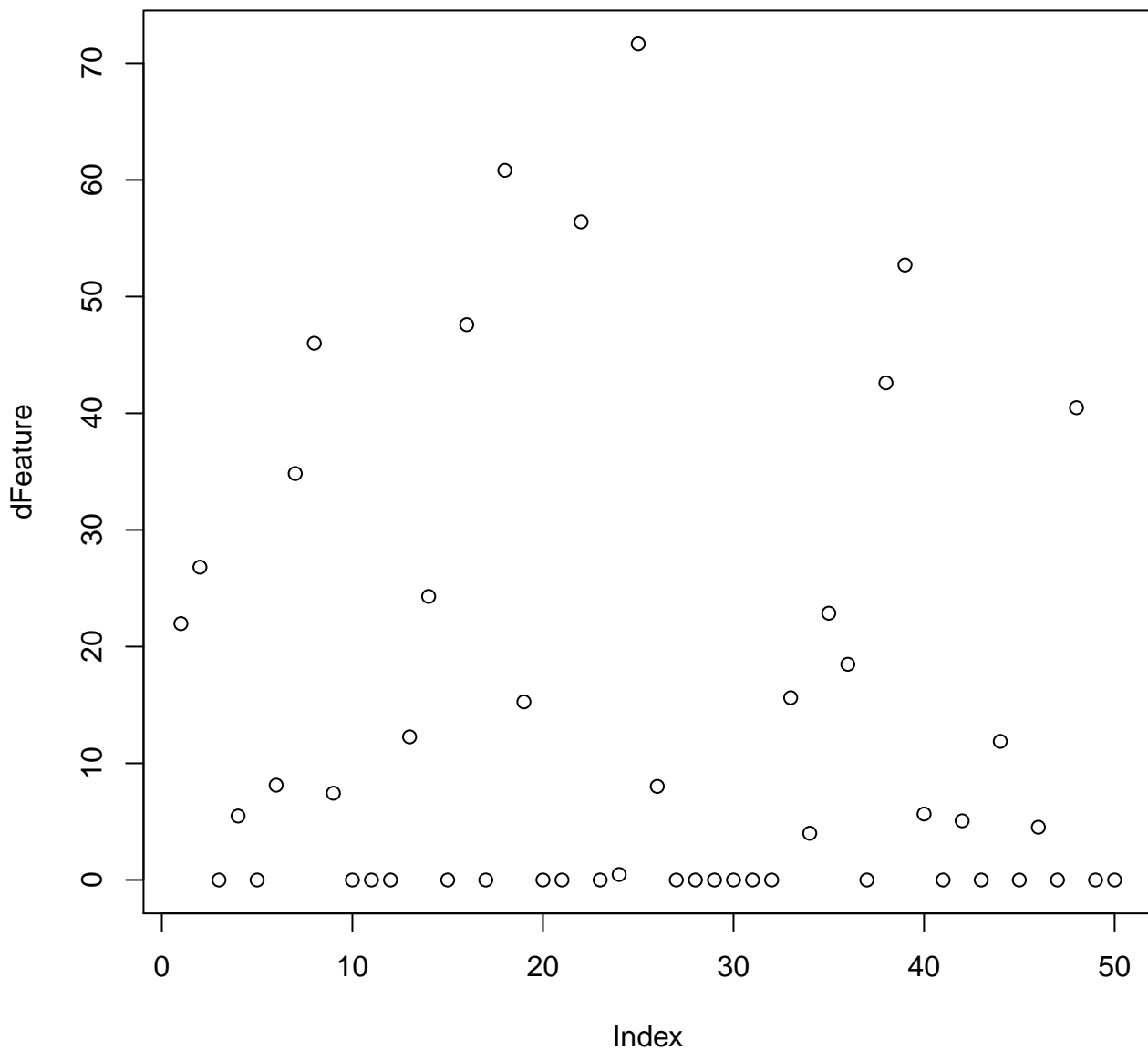
funcMakeFeature Mean (0.45) 0.74 SD(2.68) 1 Exp 0.73



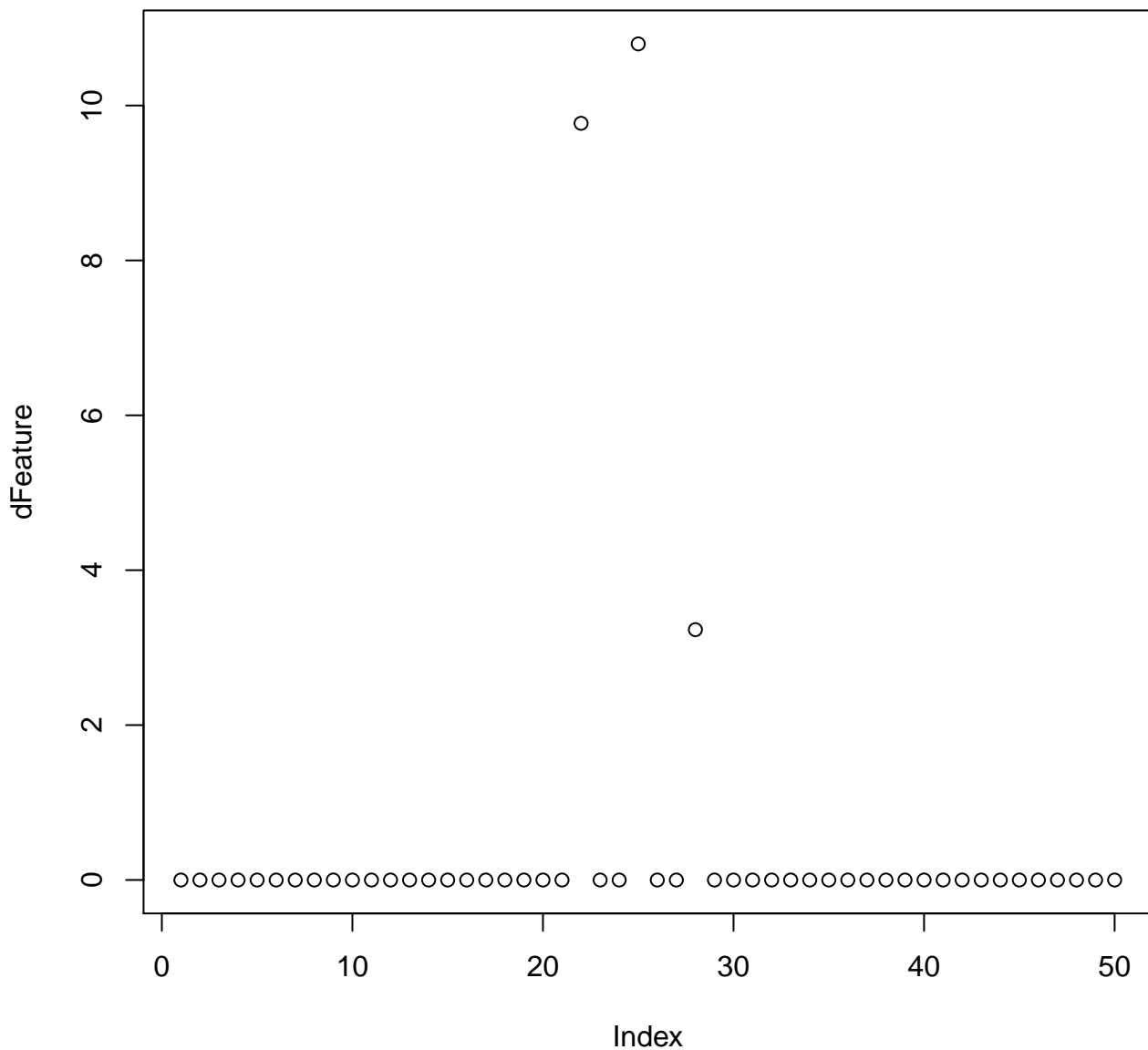
funcMakeFeature Mean (7.59) 17.56 SD(3.65) 0.95 Exp 17.56



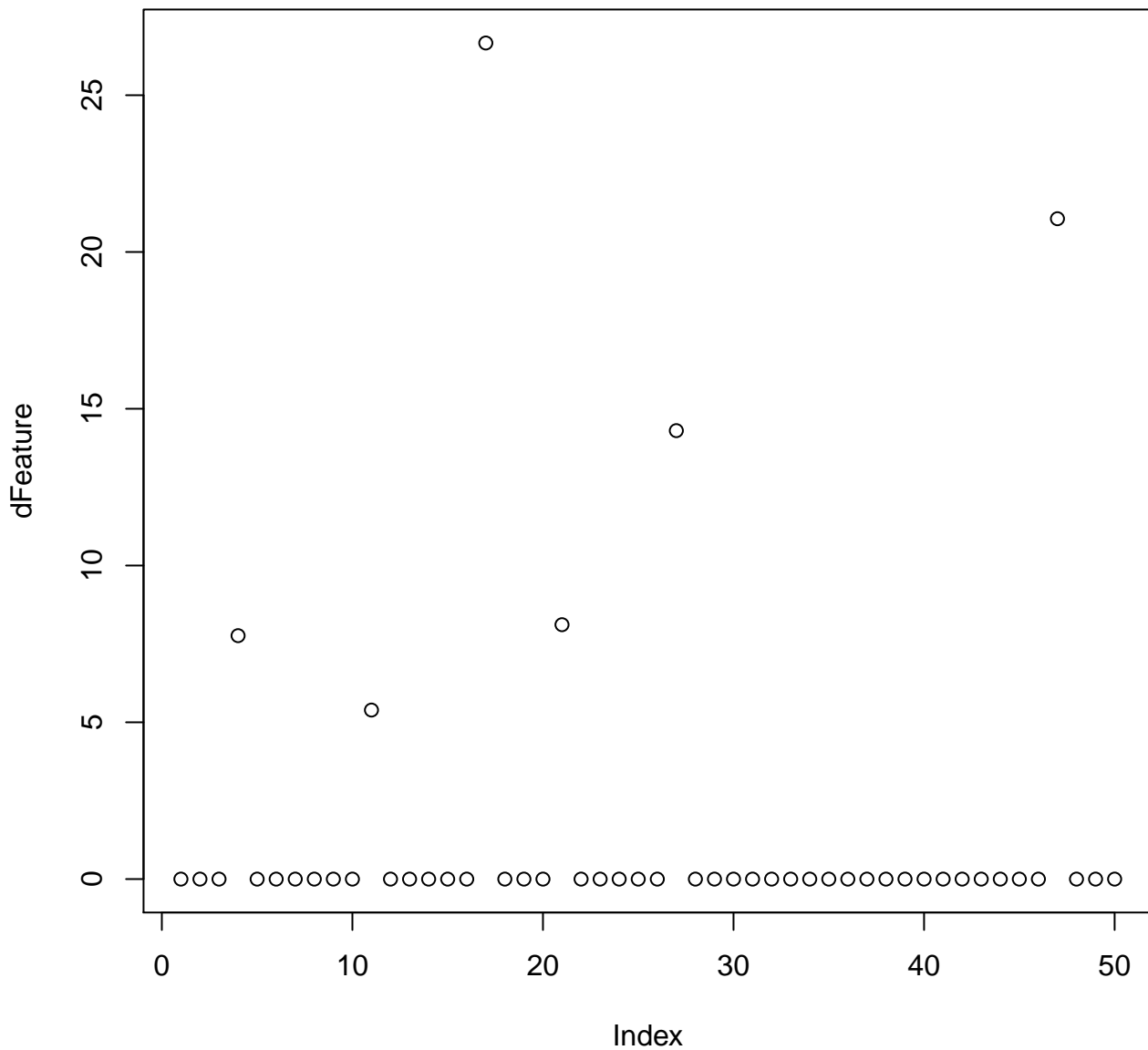
funcMakeFeature Mean (5.85) 13.43 SD(3.63) 1.14 Exp 13.41



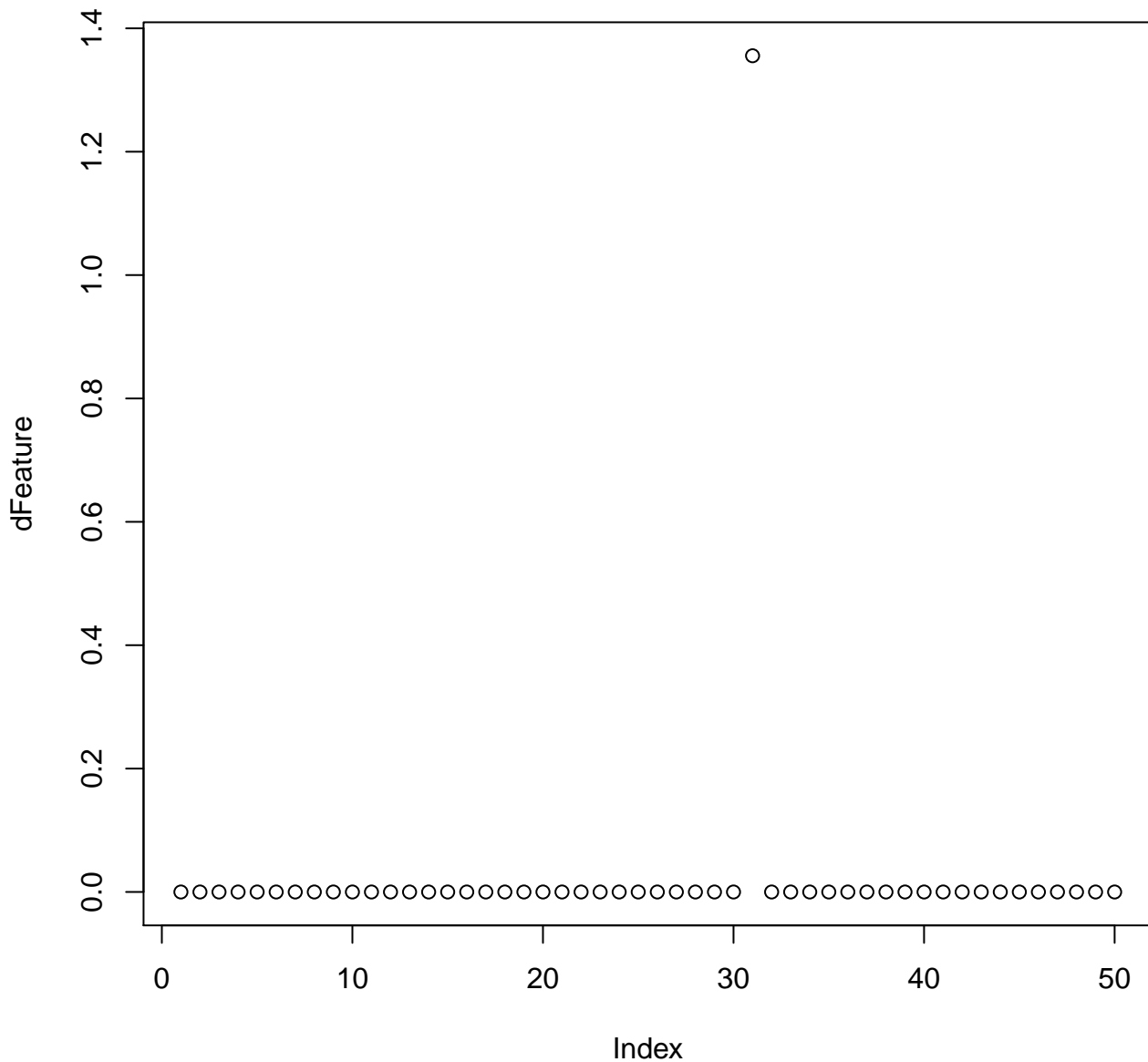
funcMakeFeature Mean (0.36) 0.48 SD(1.98) 0.67 Exp 0.46



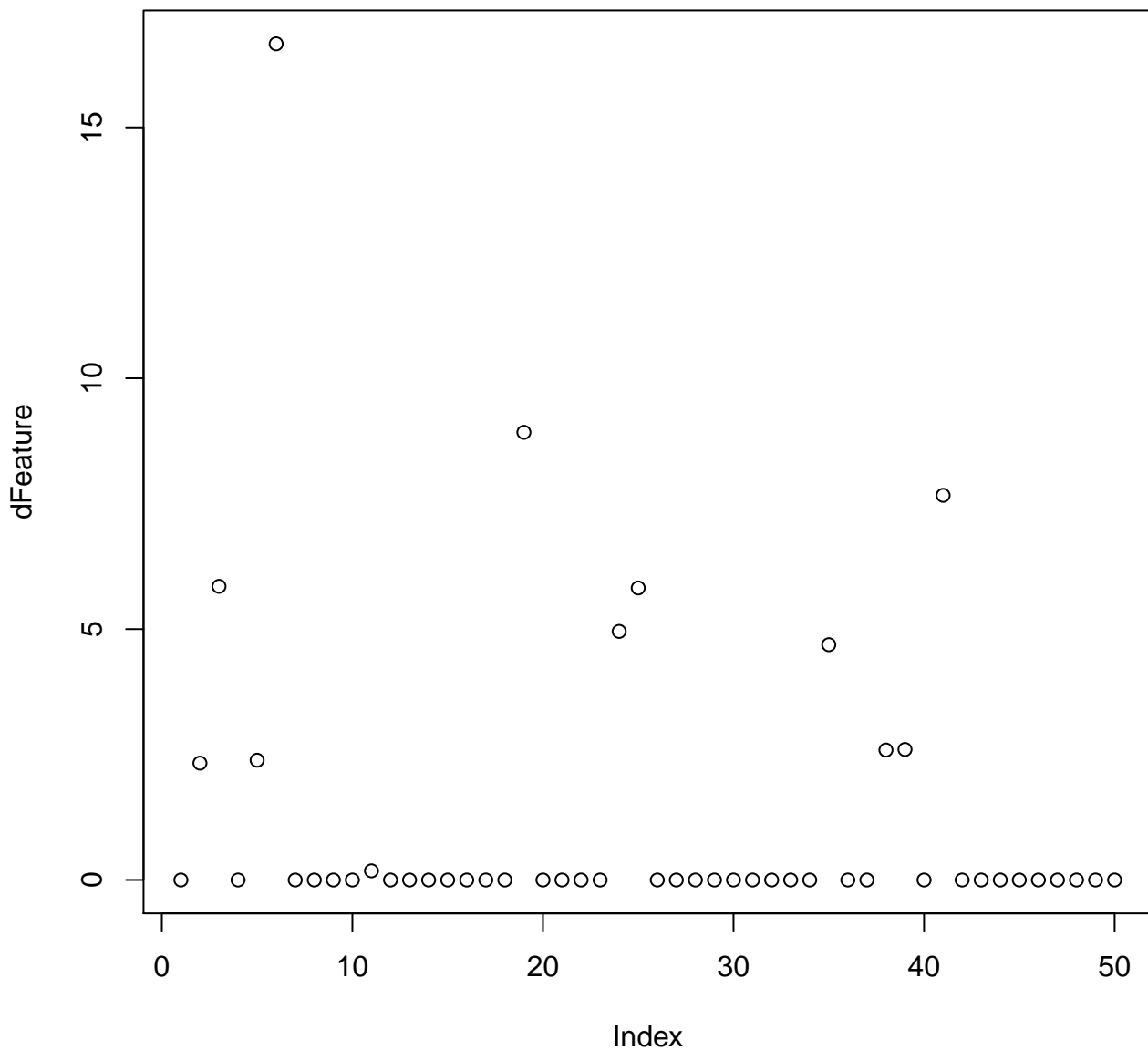
funcMakeFeature Mean (1.06) 1.67 SD(2.58) 0.63 Exp 1.65



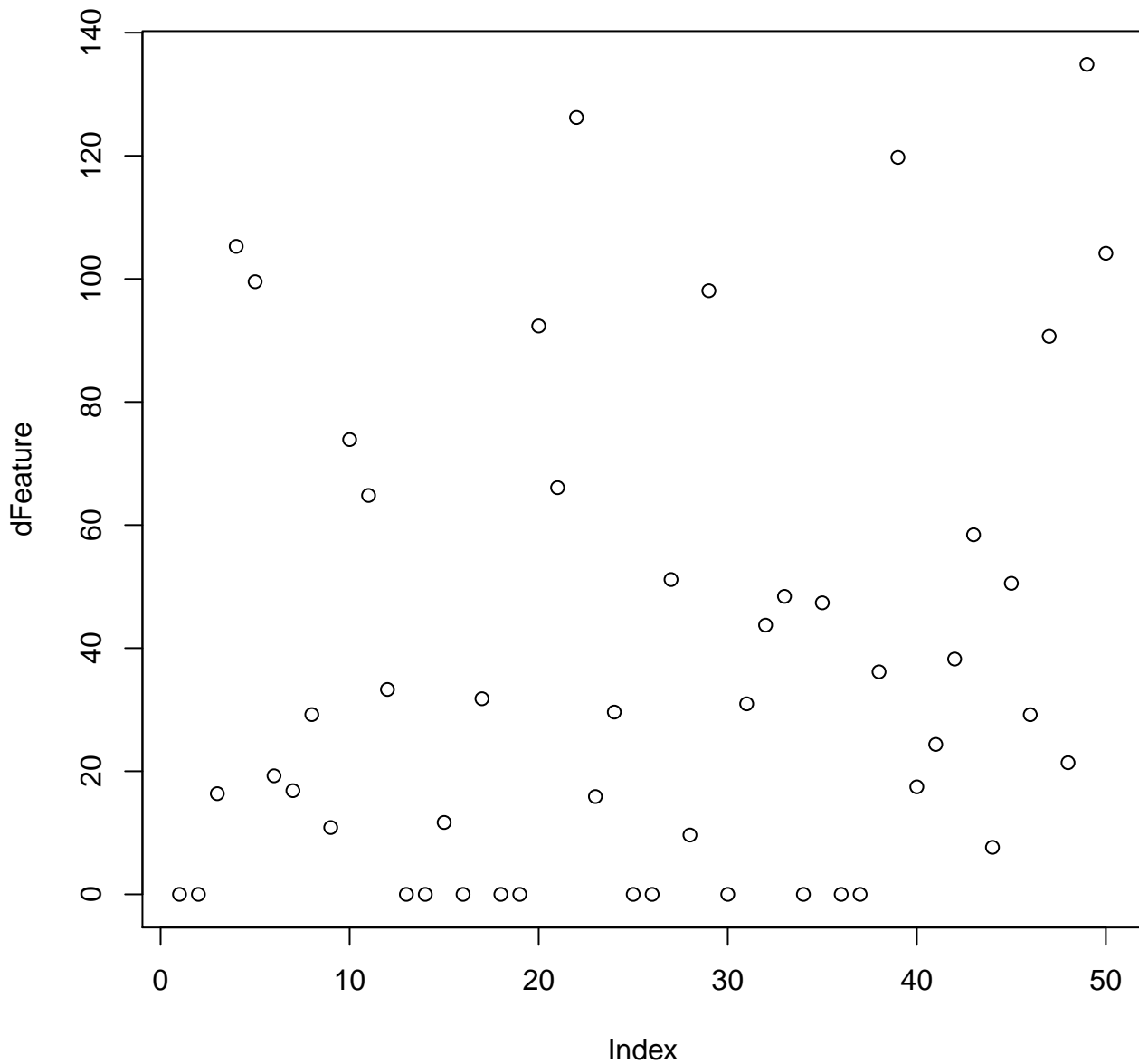
funcMakeFeature Mean (0.31) 0.03 SD(2.51) NA Exp 0.48



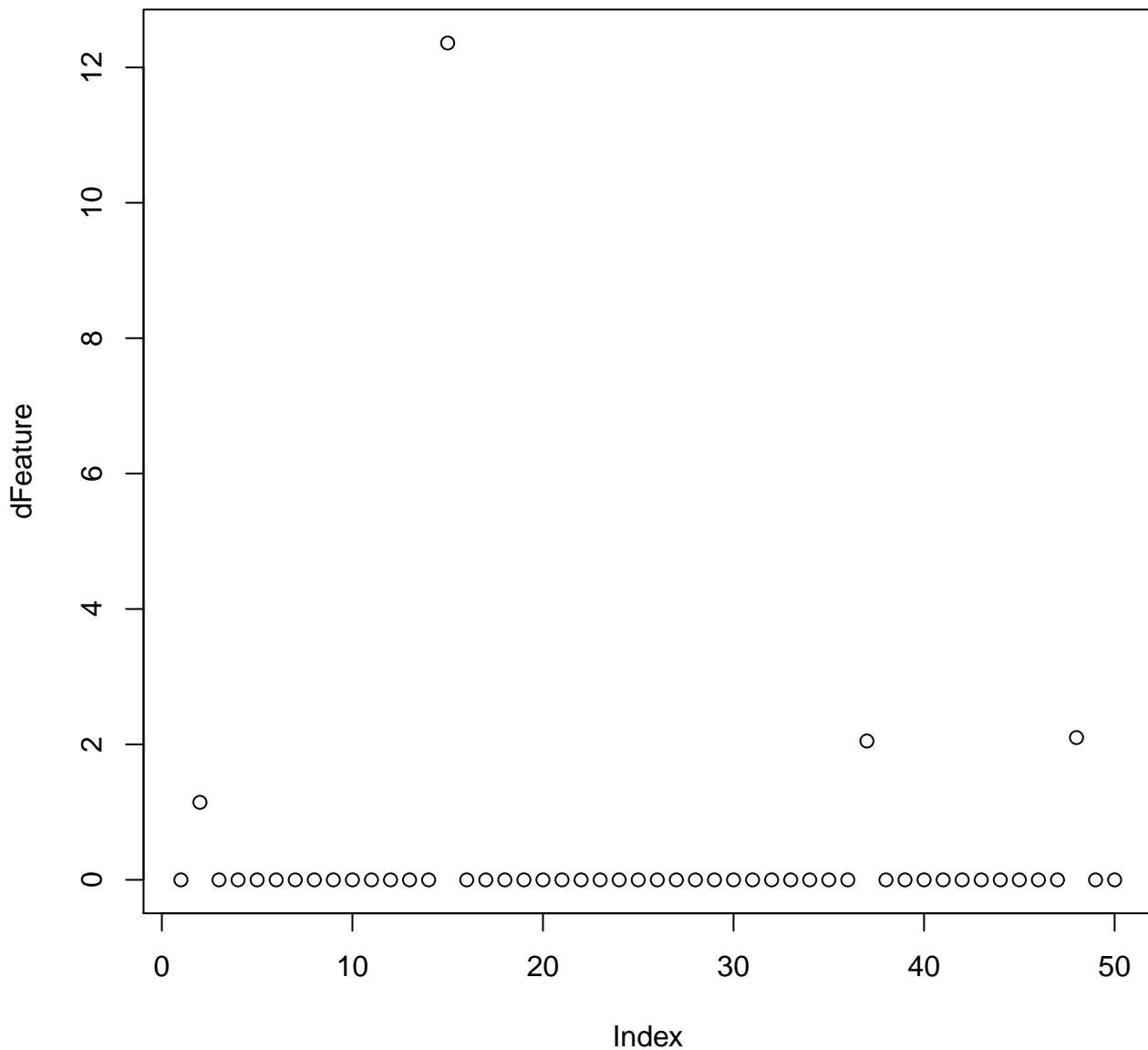
funcMakeFeature Mean (0.94) 1.29 SD(2.2) 1.12 Exp 1.28



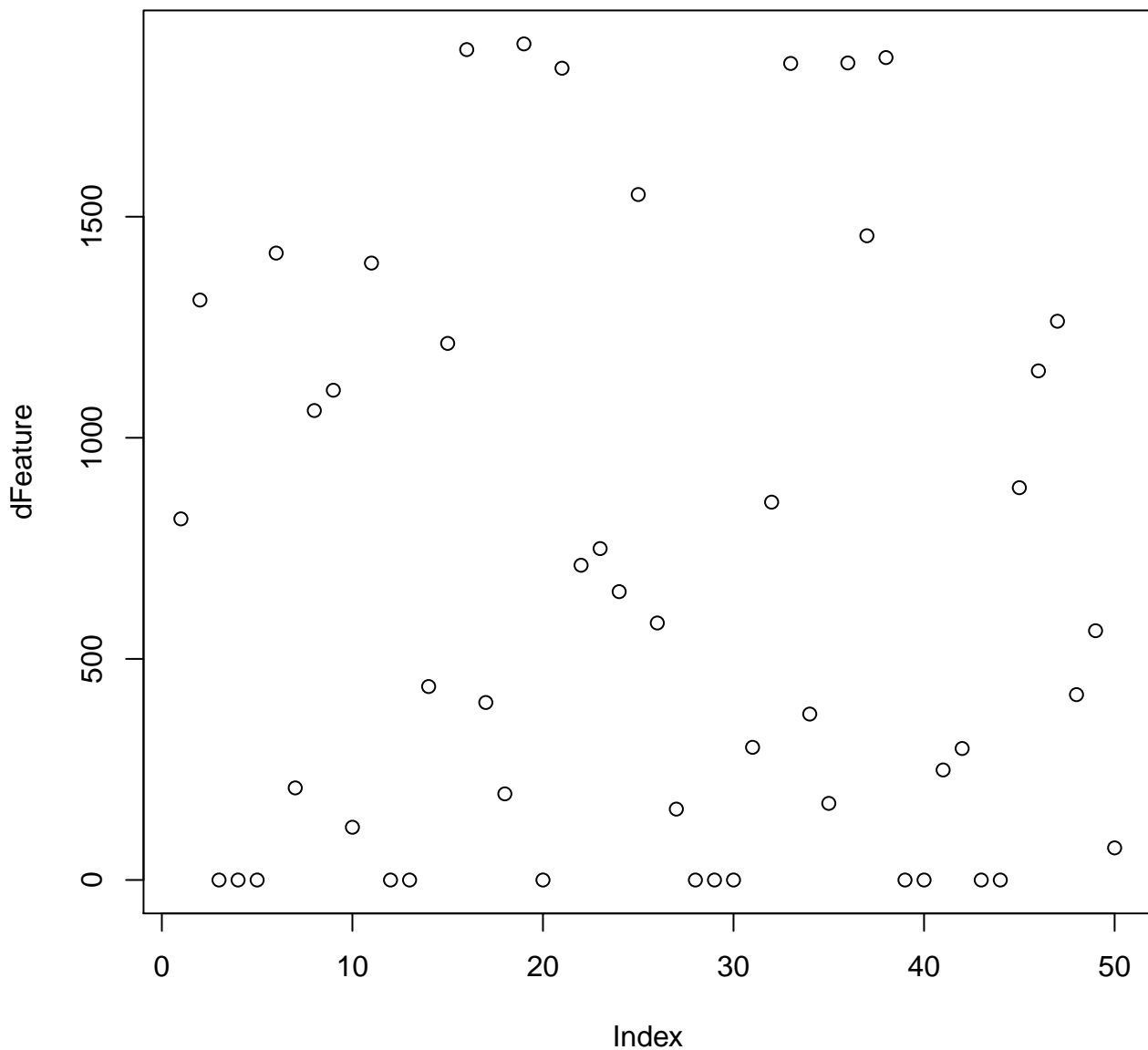
funcMakeFeature Mean (18.04) 38.1 SD(3.4) 0.79 Exp 38.09



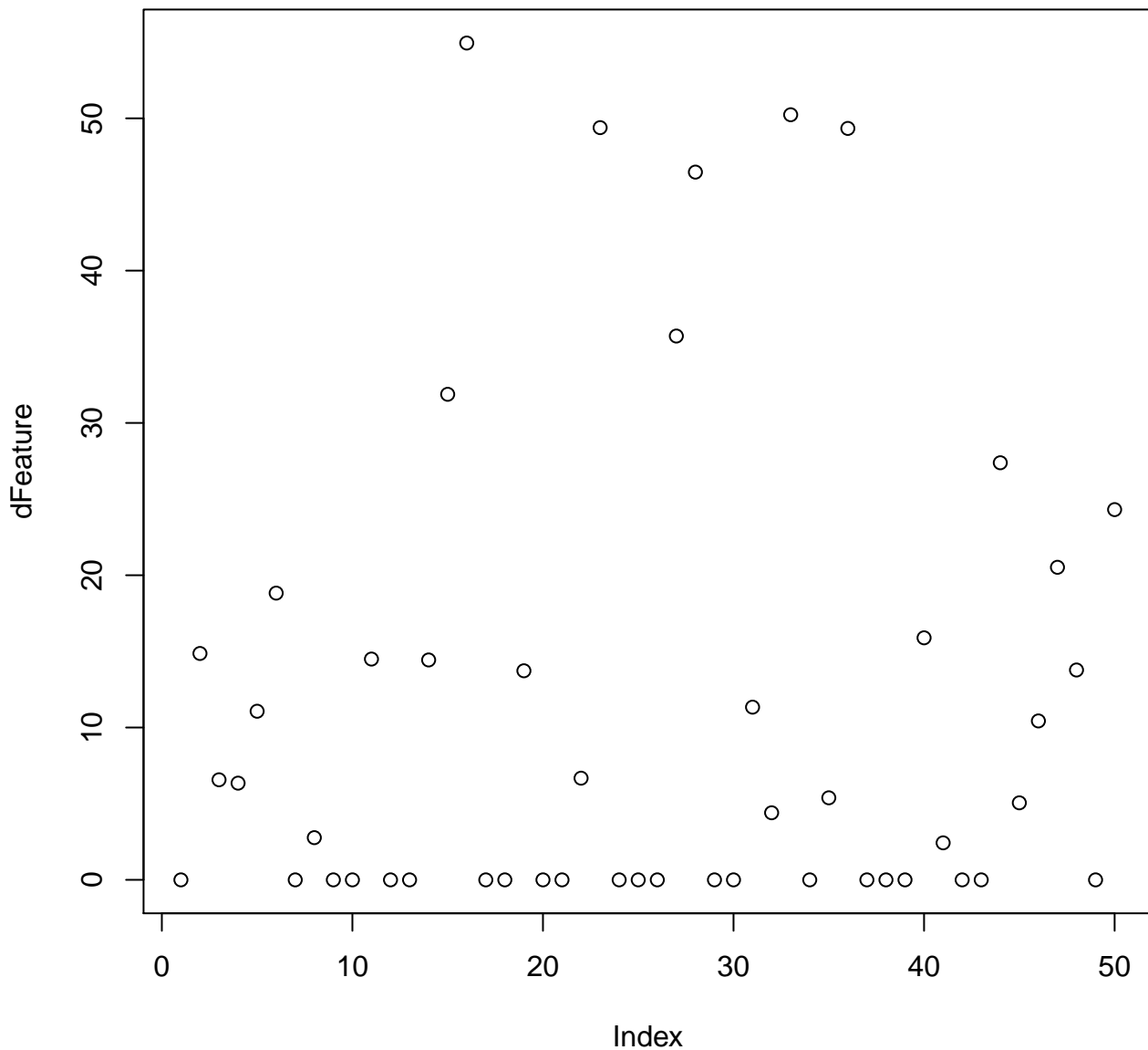
funcMakeFeature Mean (0.24) 0.35 SD(2.27) 1.03 Exp 0.34



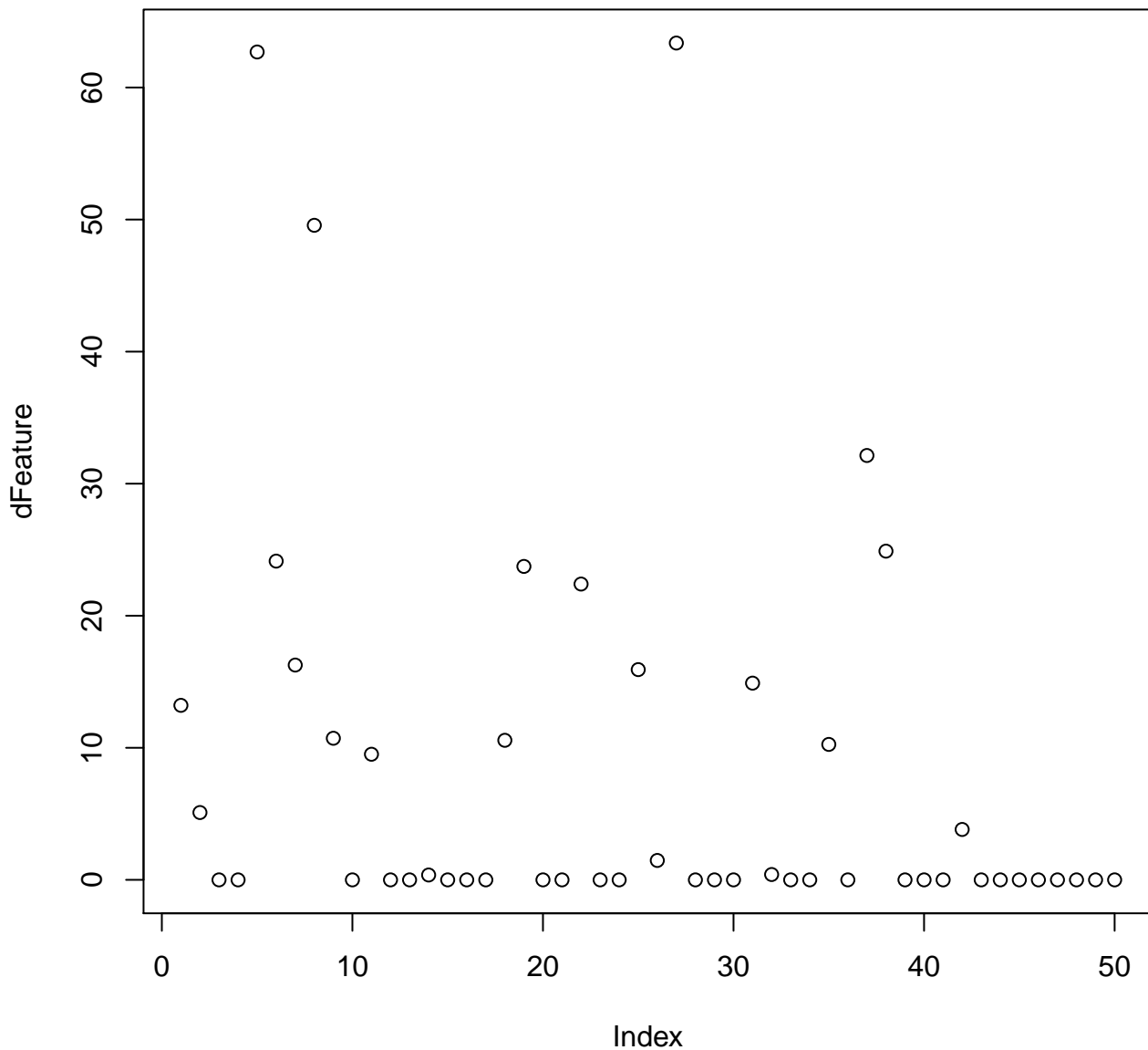
funcMakeFeature Mean (185.77) 666.28 SD(4.94) 0.89 Exp 666.27



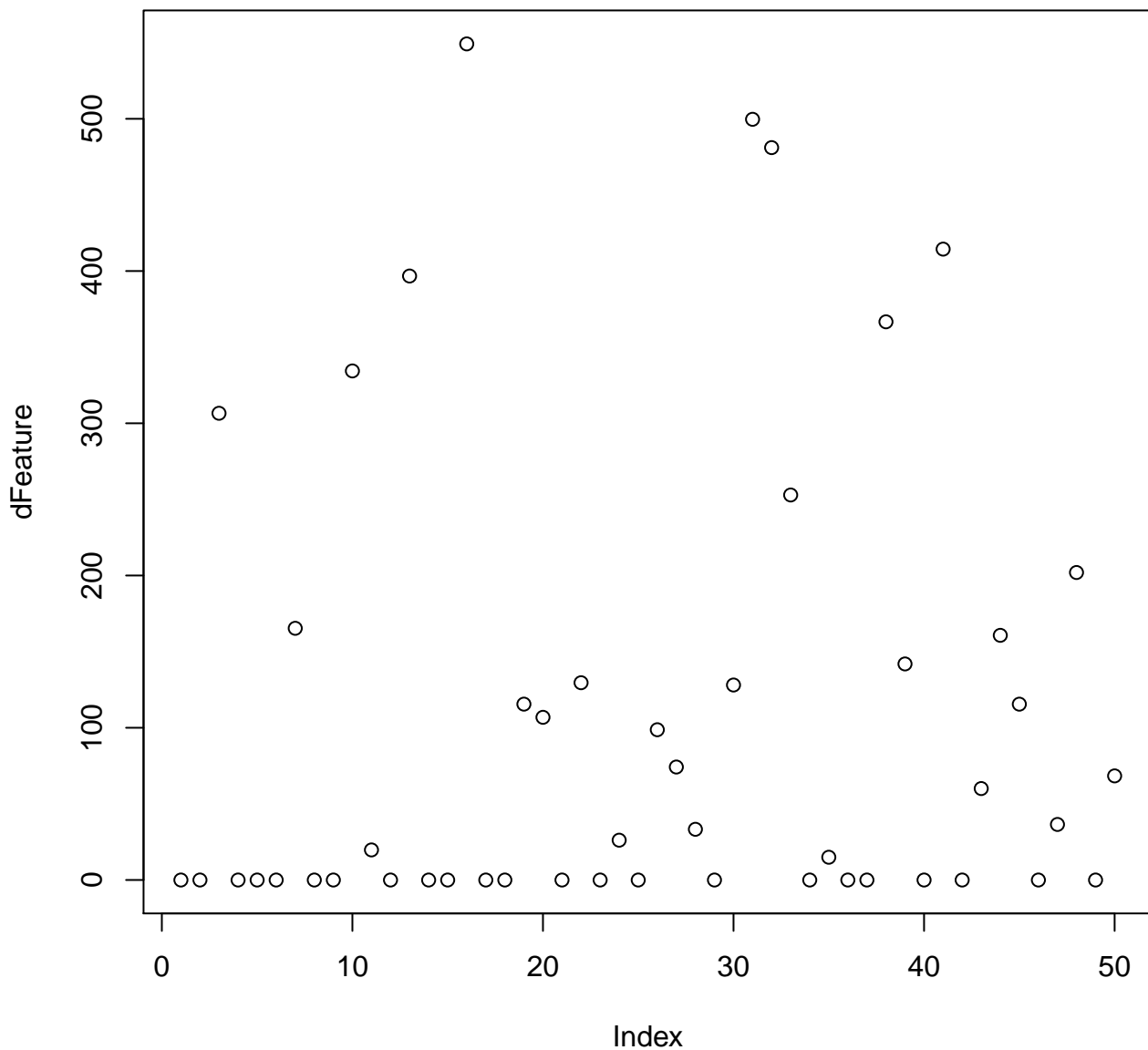
funcMakeFeature Mean (5.7) 11.37 SD(3.24) 0.89 Exp 11.37



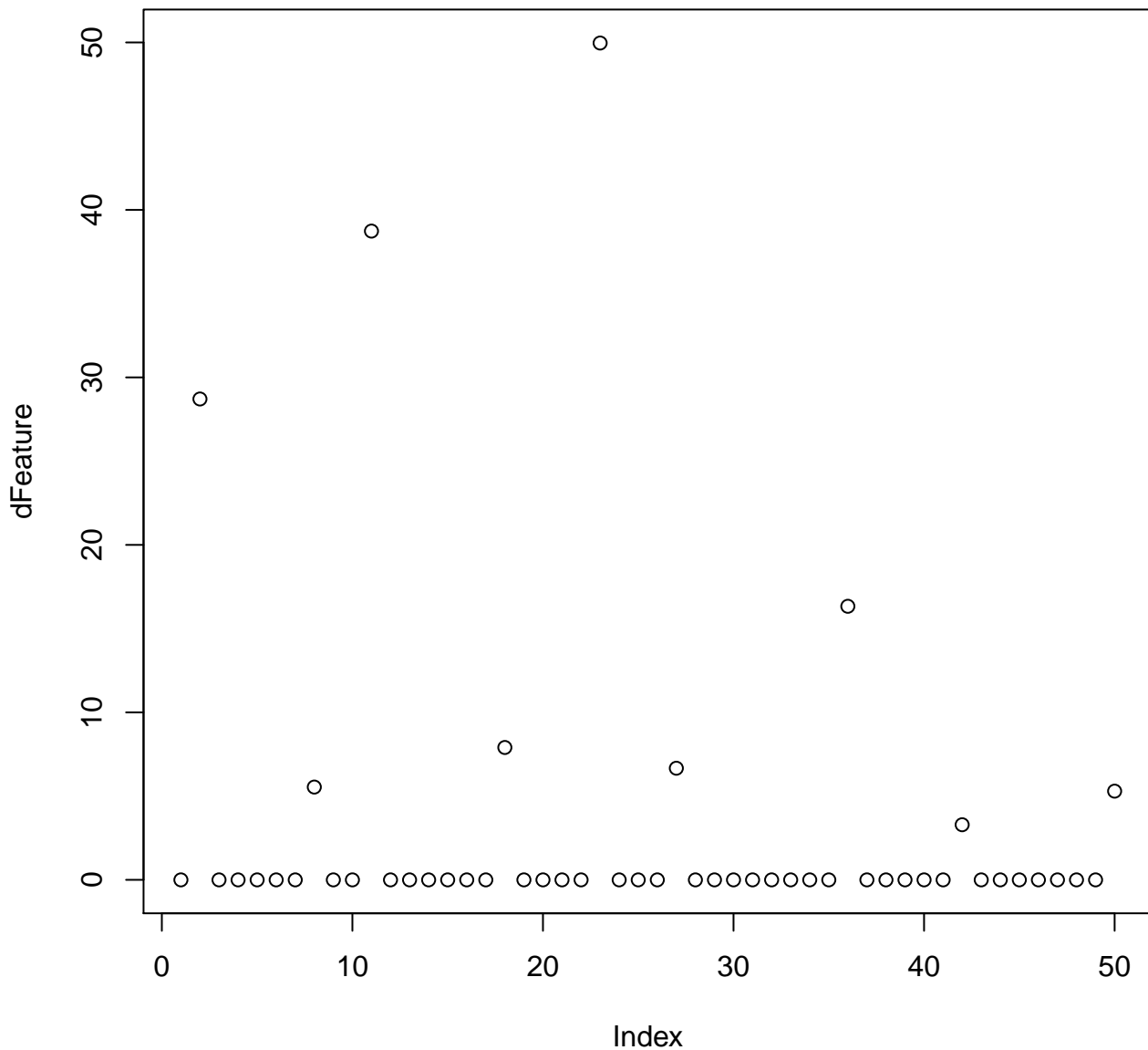
funcMakeFeature Mean (4.17) 8.31 SD(3.23) 1.42 Exp 8.29



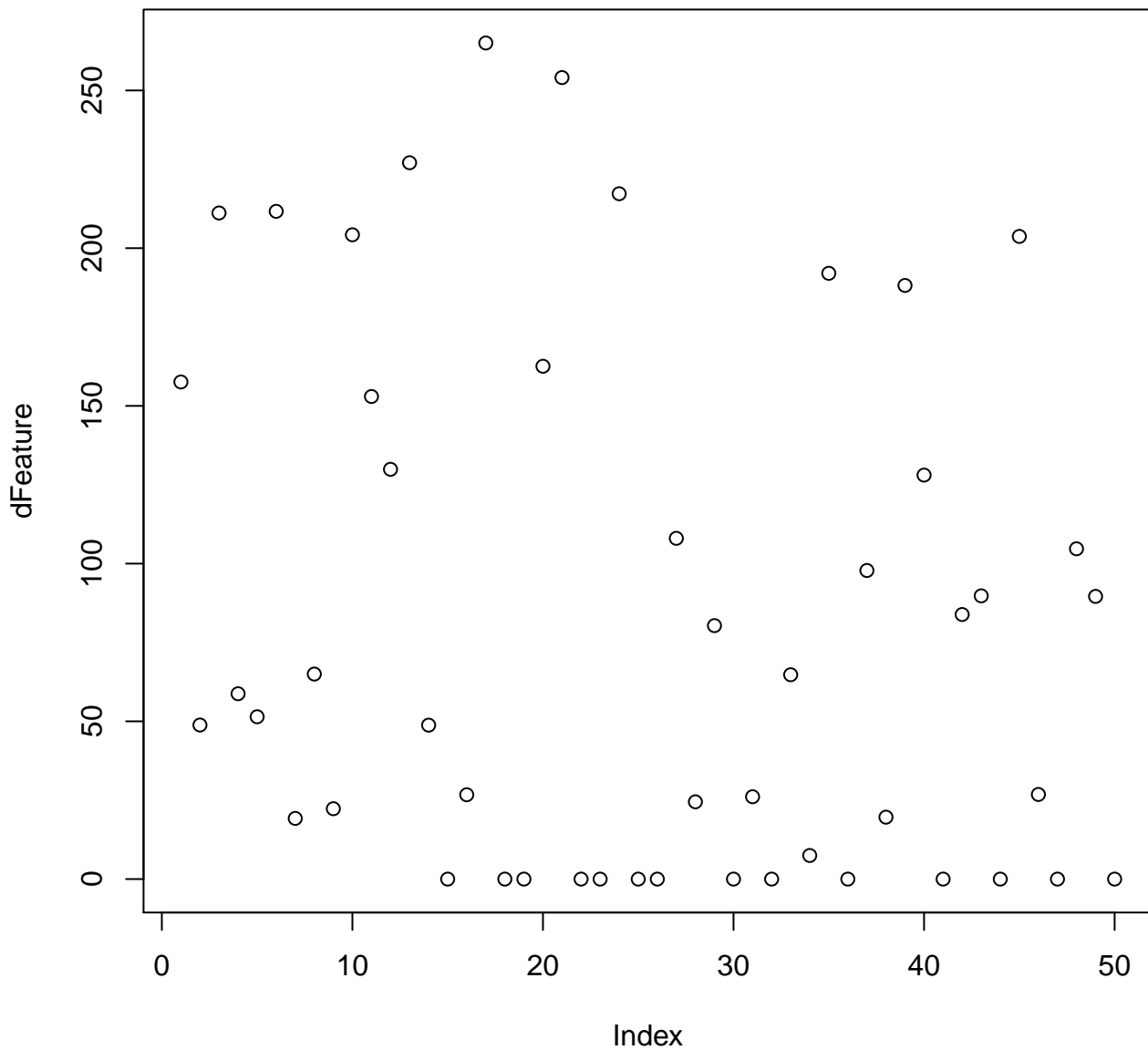
funcMakeFeature Mean (18.44) 105.99 SD(6.49) 1.03 Exp 105.97



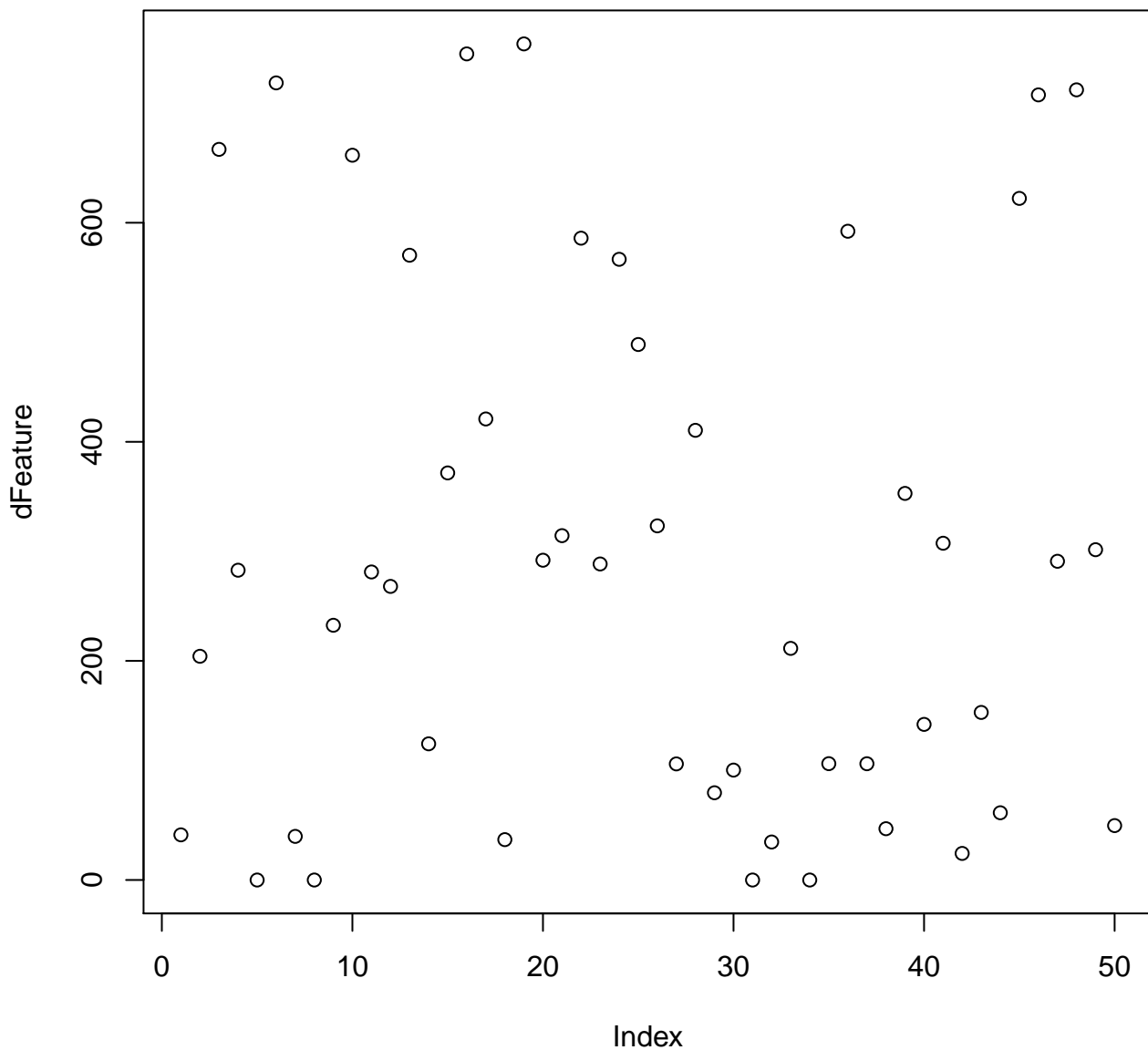
funcMakeFeature Mean (1.75) 3.25 SD(3.05) 0.98 Exp 3.25



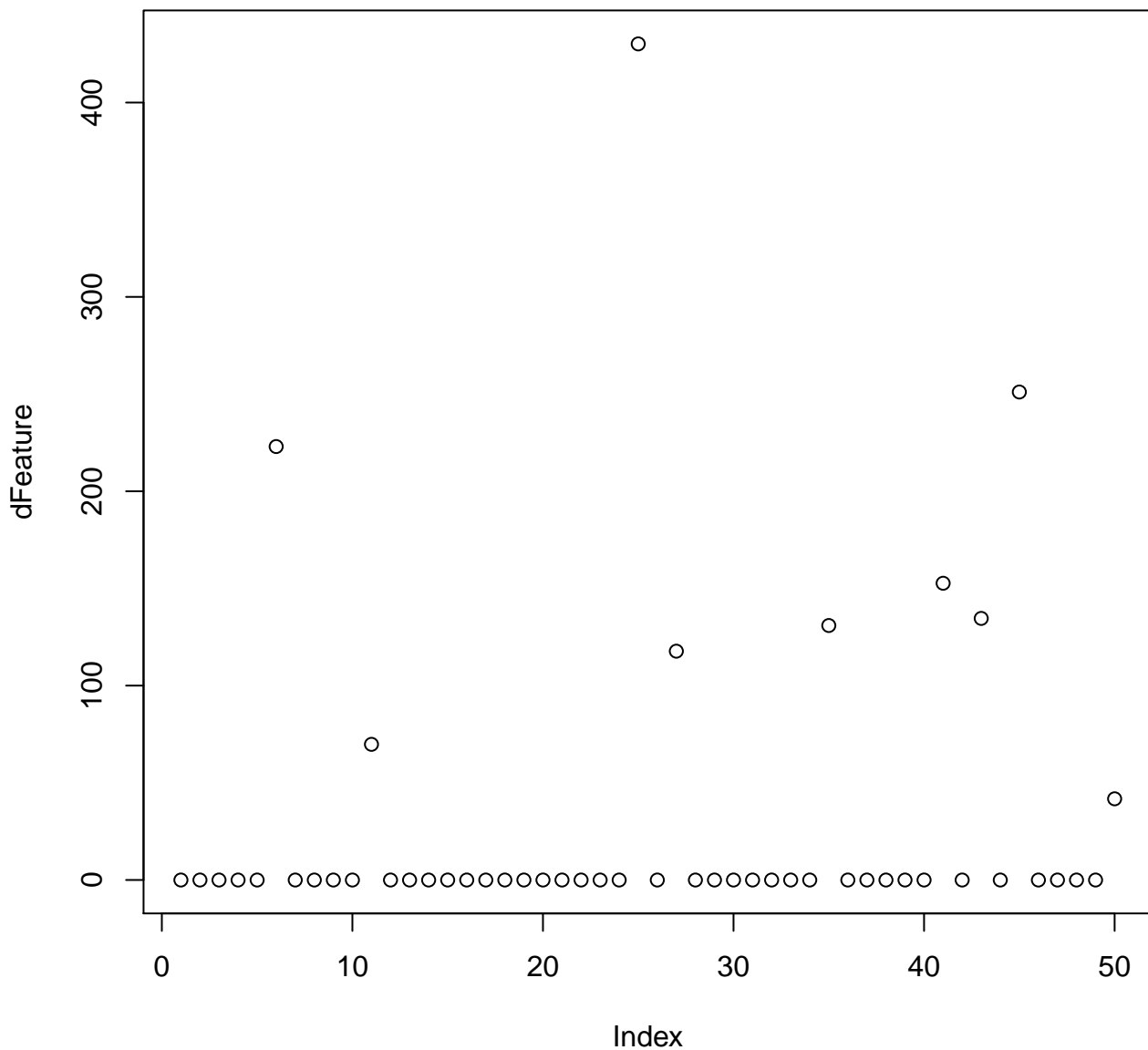
funcMakeFeature Mean (30.07) 81.41 SD(4.1) 0.91 Exp 81.4



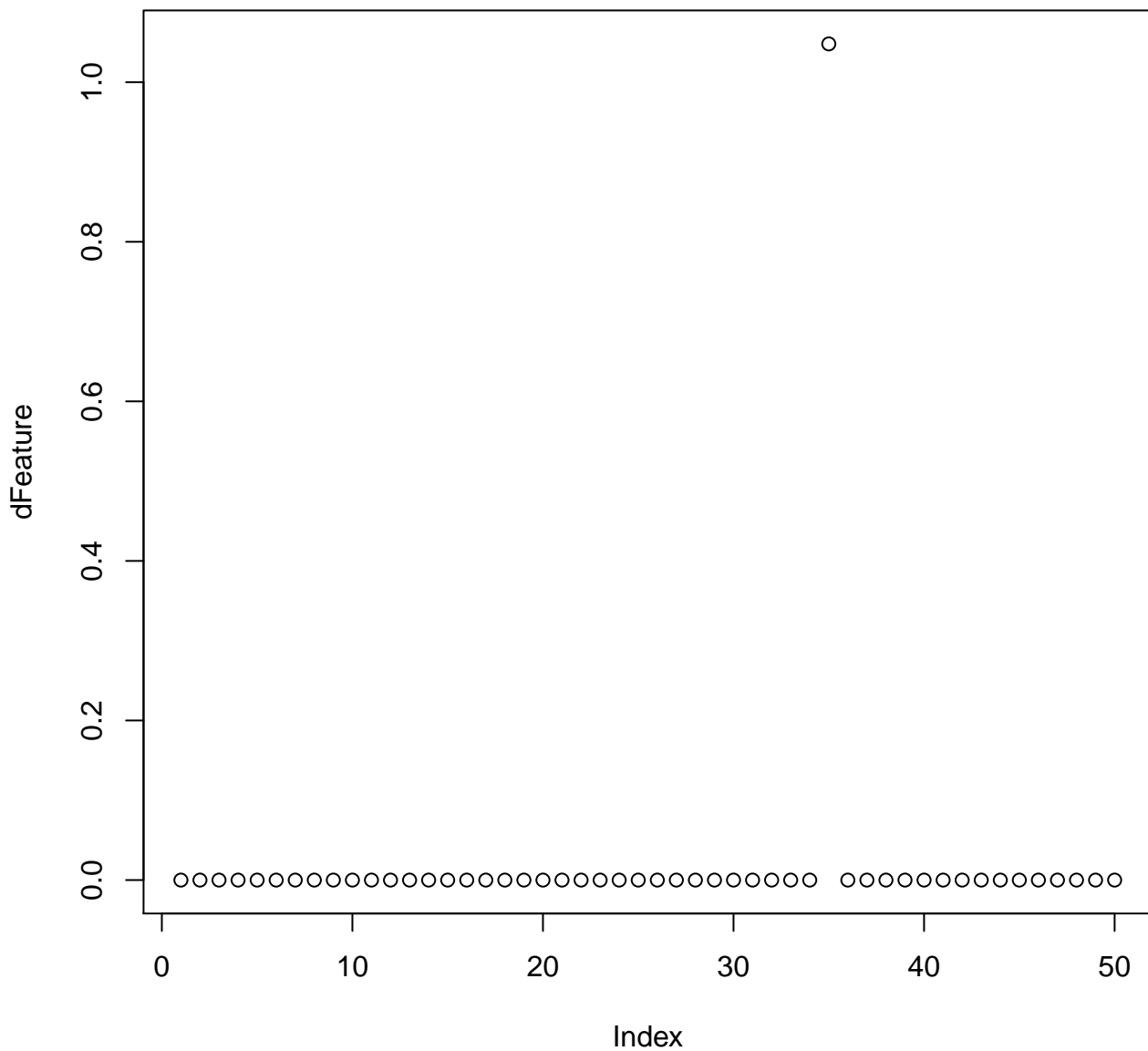
funcMakeFeature Mean (113.88) 296.9 SD(3.99) 1 Exp 296.88



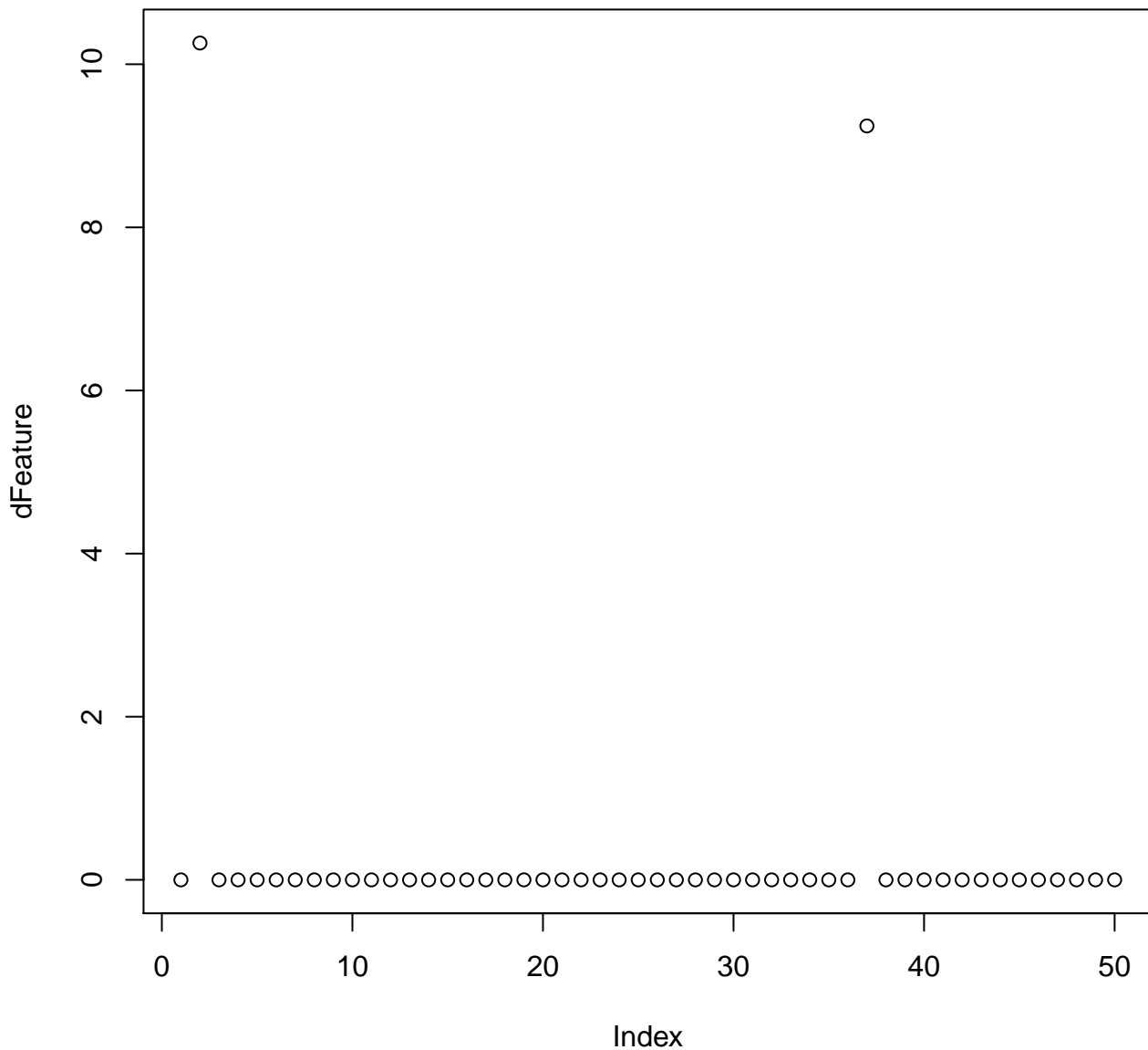
funcMakeFeature Mean (12.02) 31.04 SD(3.97) 0.69 Exp 31.03



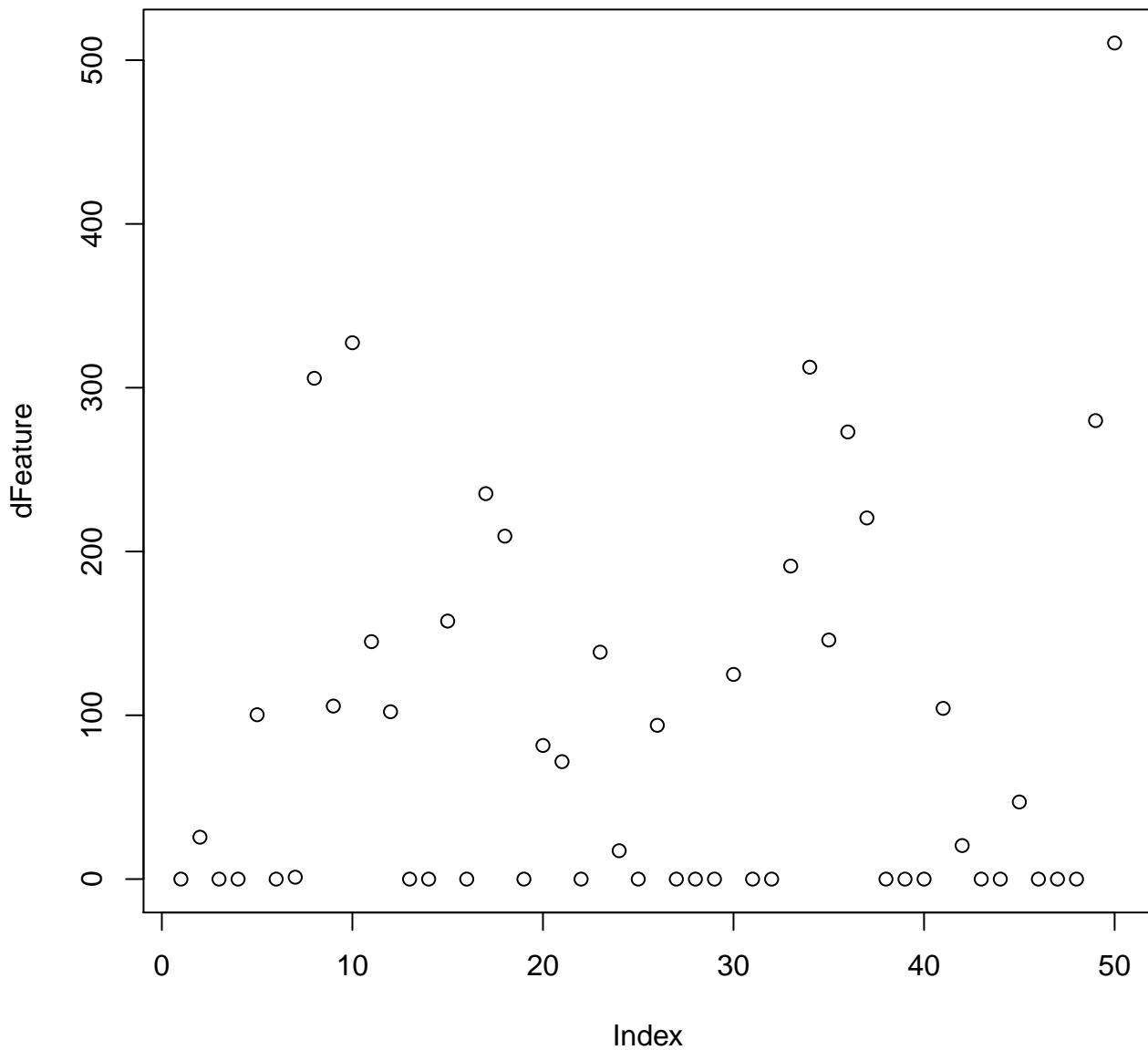
funcMakeFeature Mean (0.05) 0.02 SD(1.29) NA Exp 0.05



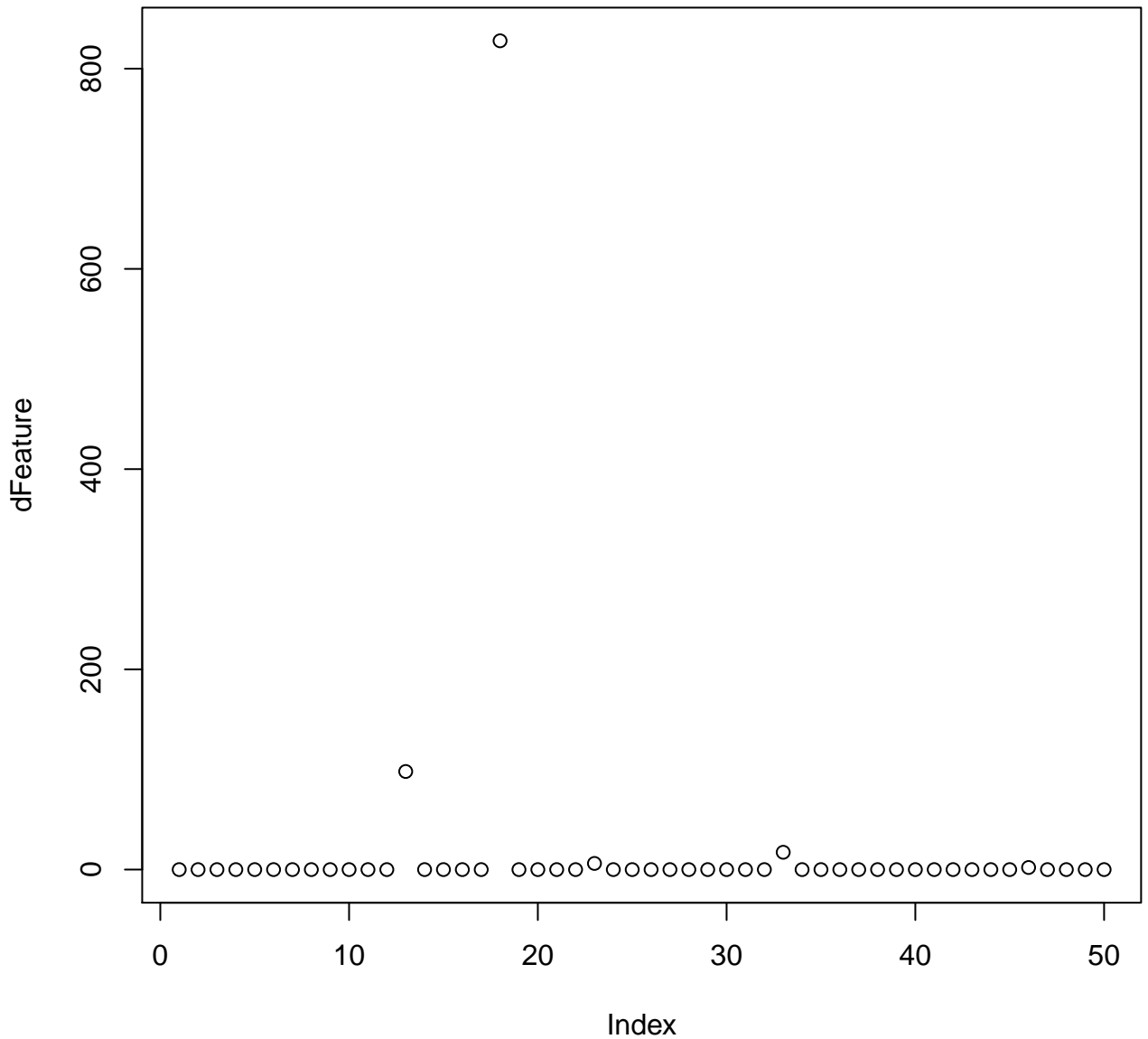
funcMakeFeature Mean (0.28) 0.39 SD(2.13) 0.07 Exp 0.37



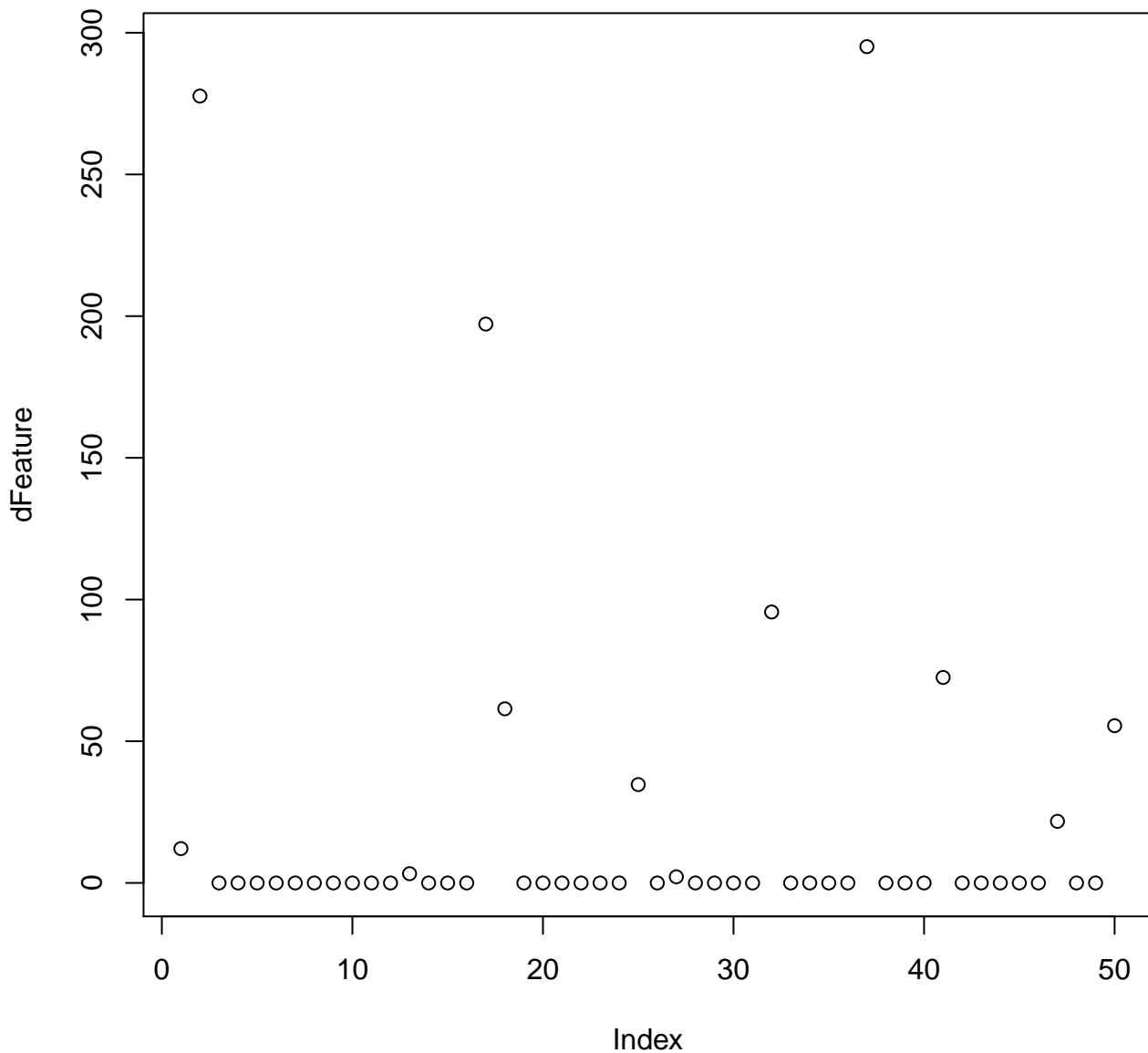
funcMakeFeature Mean (22.45) 86.97 SD(5.18) 1.23 Exp 86.97



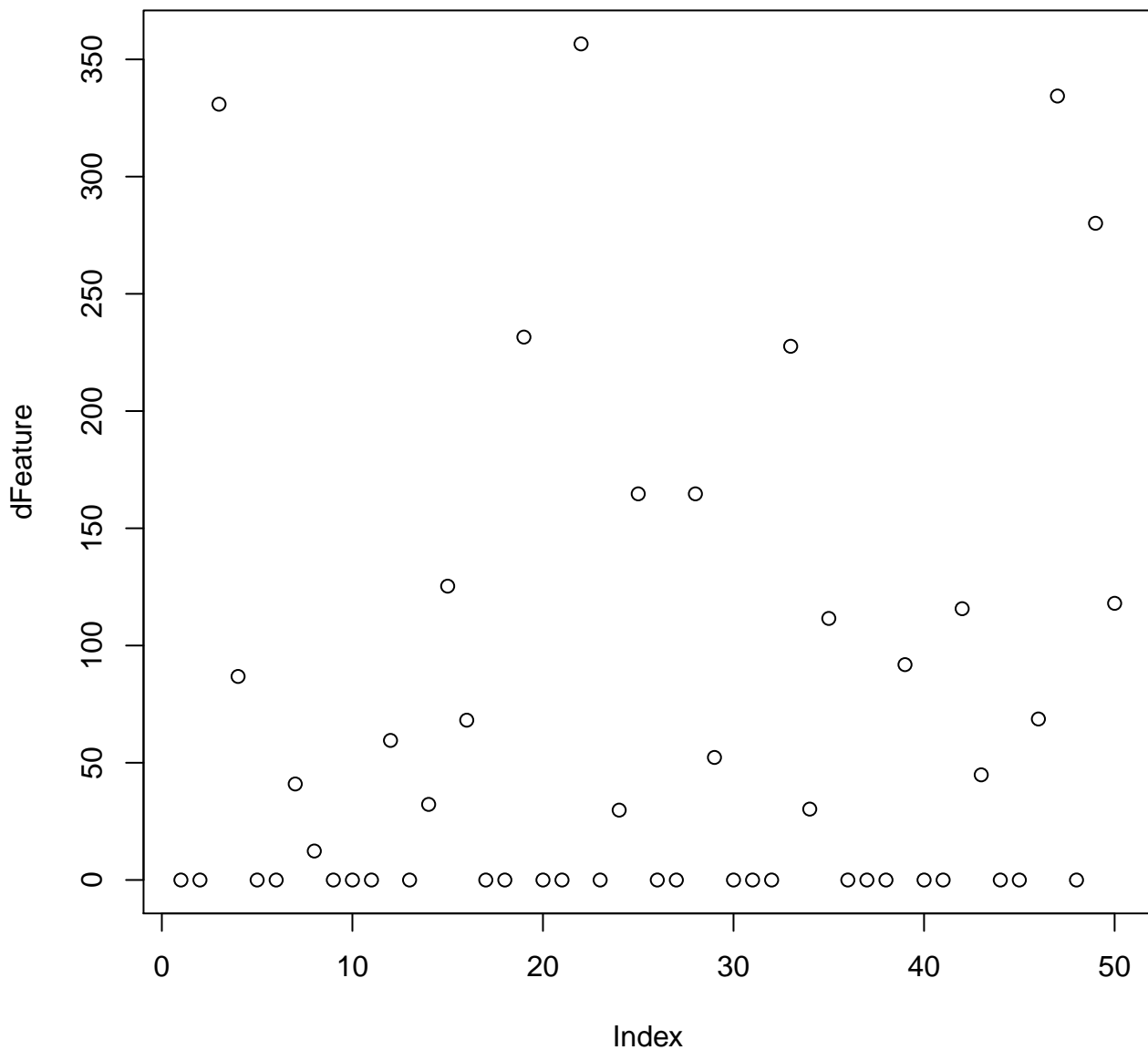
funcMakeFeature Mean (1.92) 19.03 SD(8.51) 2.36 Exp 19.02



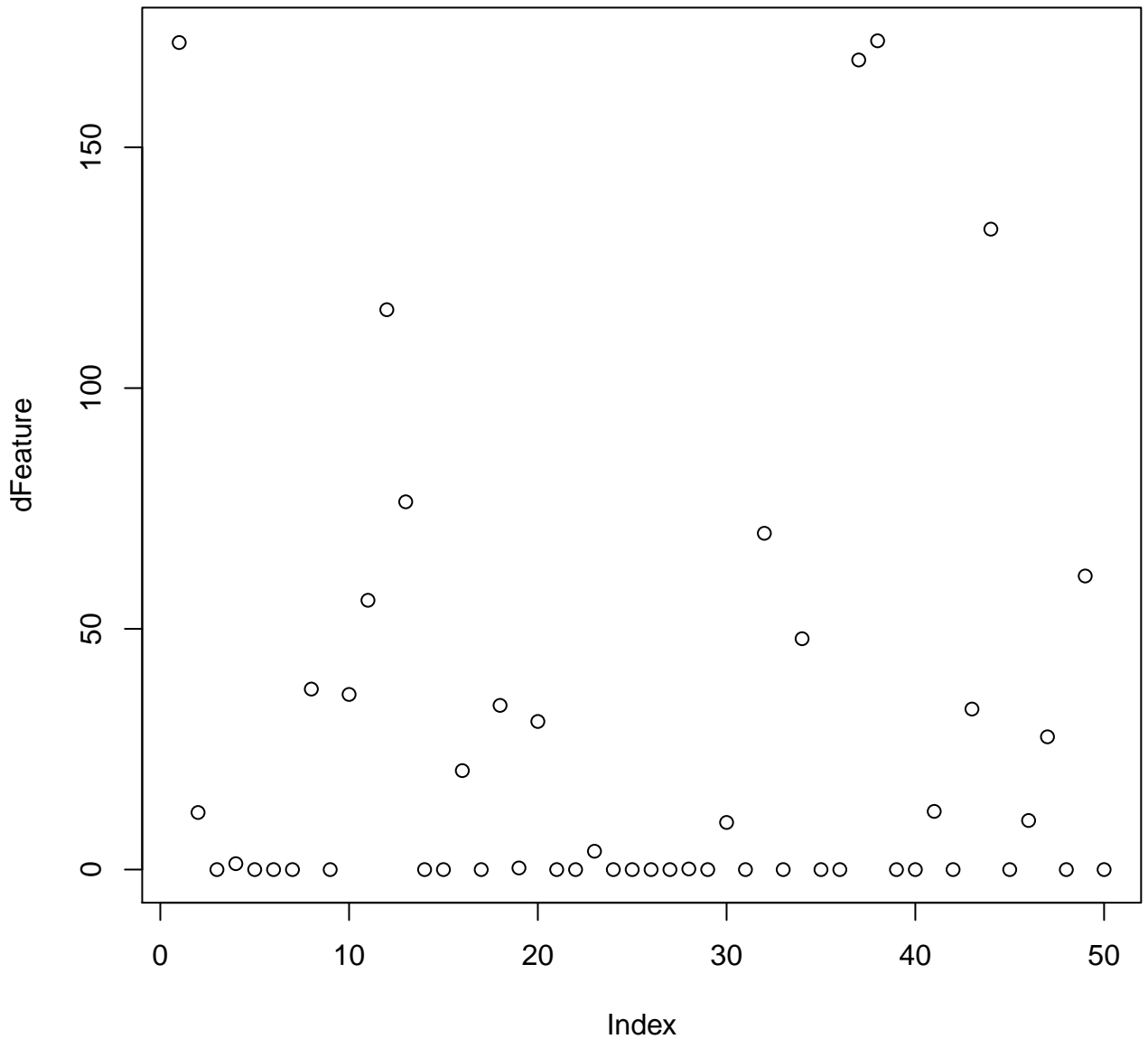
funcMakeFeature Mean (3.84) 22.58 SD(6.57) 1.6 Exp 22.58



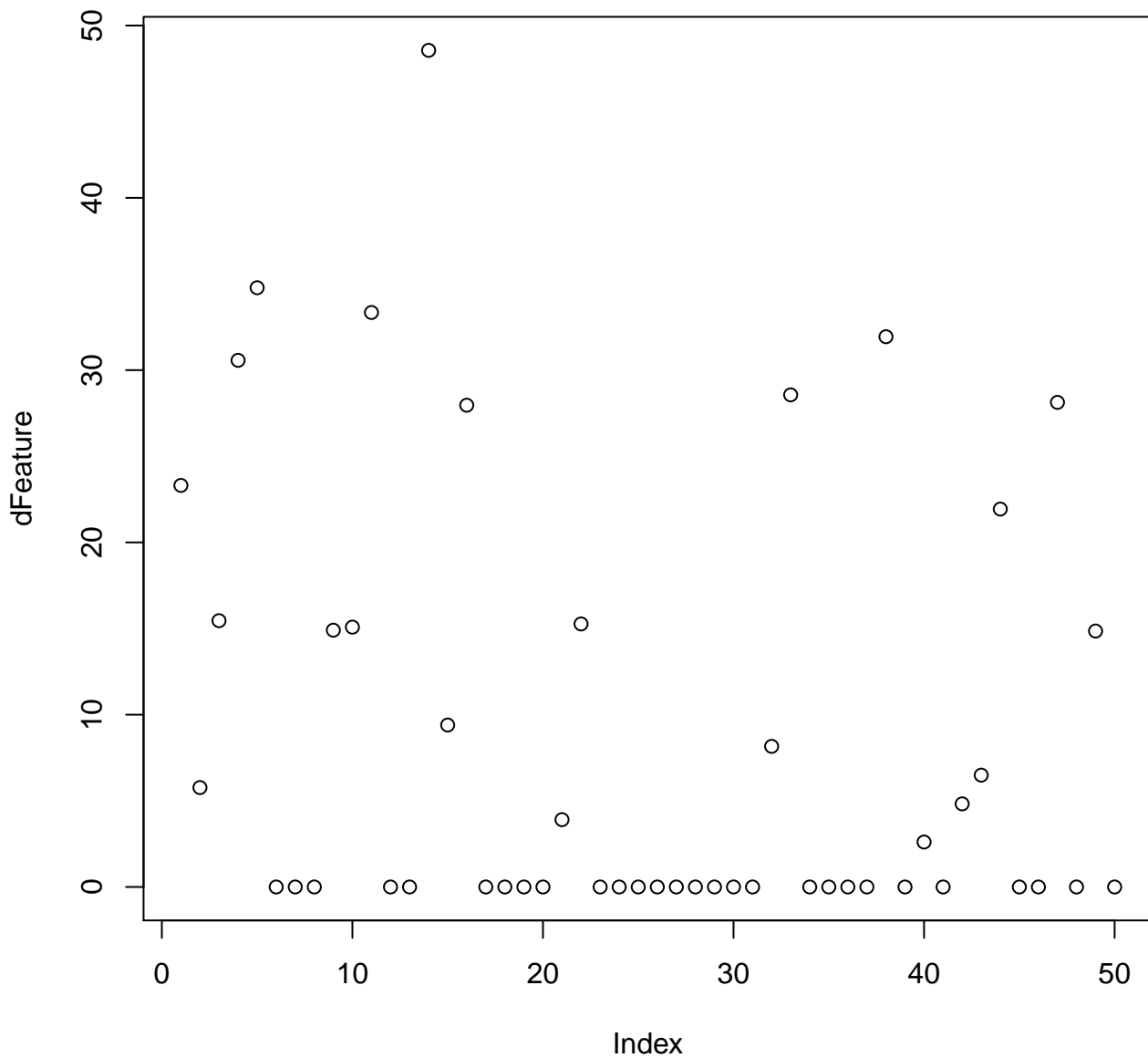
funcMakeFeature Mean (23.5) 63.58 SD(4.1) 0.9 Exp 63.57



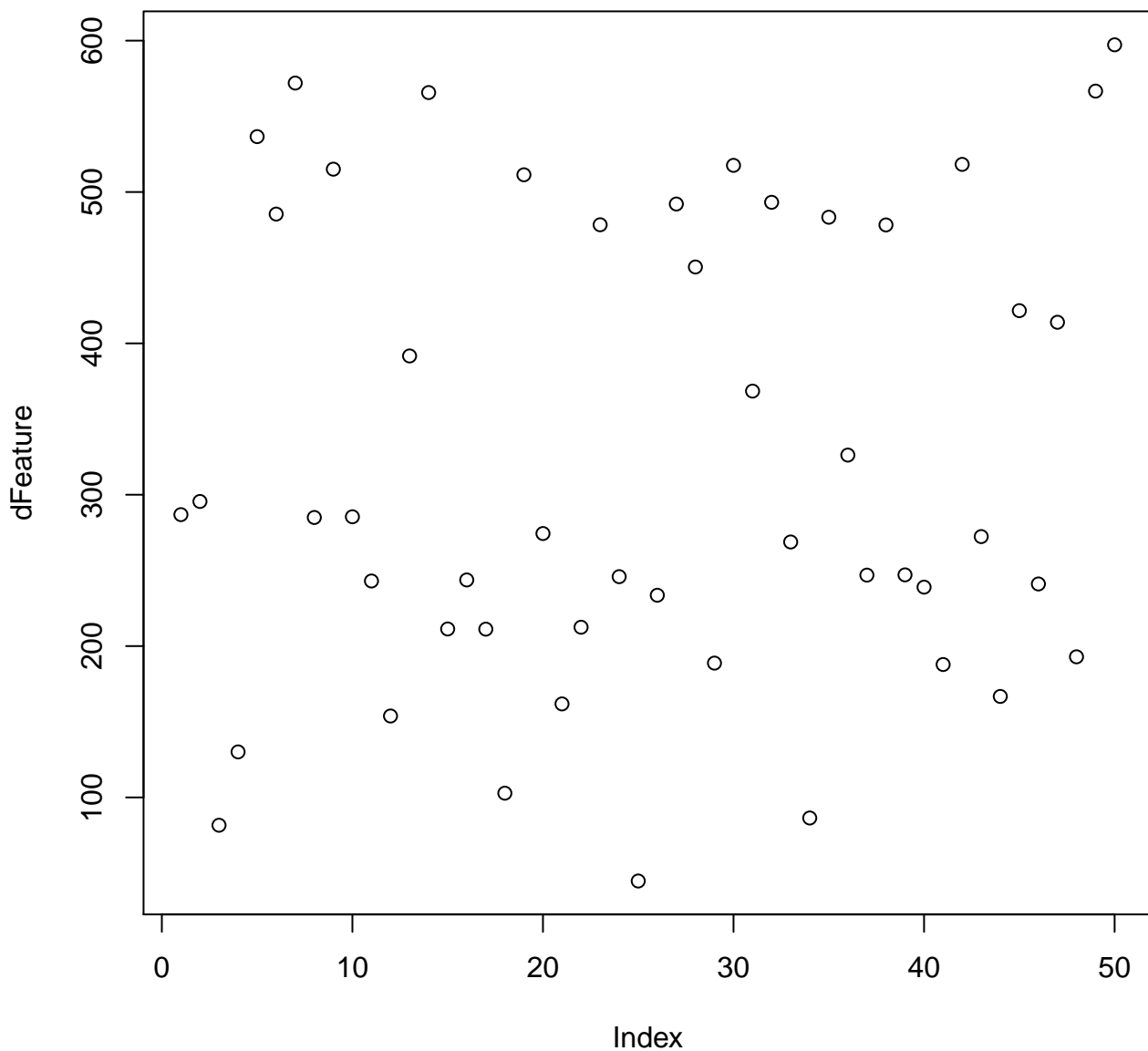
funcMakeFeature Mean (7.43) 26.84 SD(4.96) 1.85 Exp 26.82



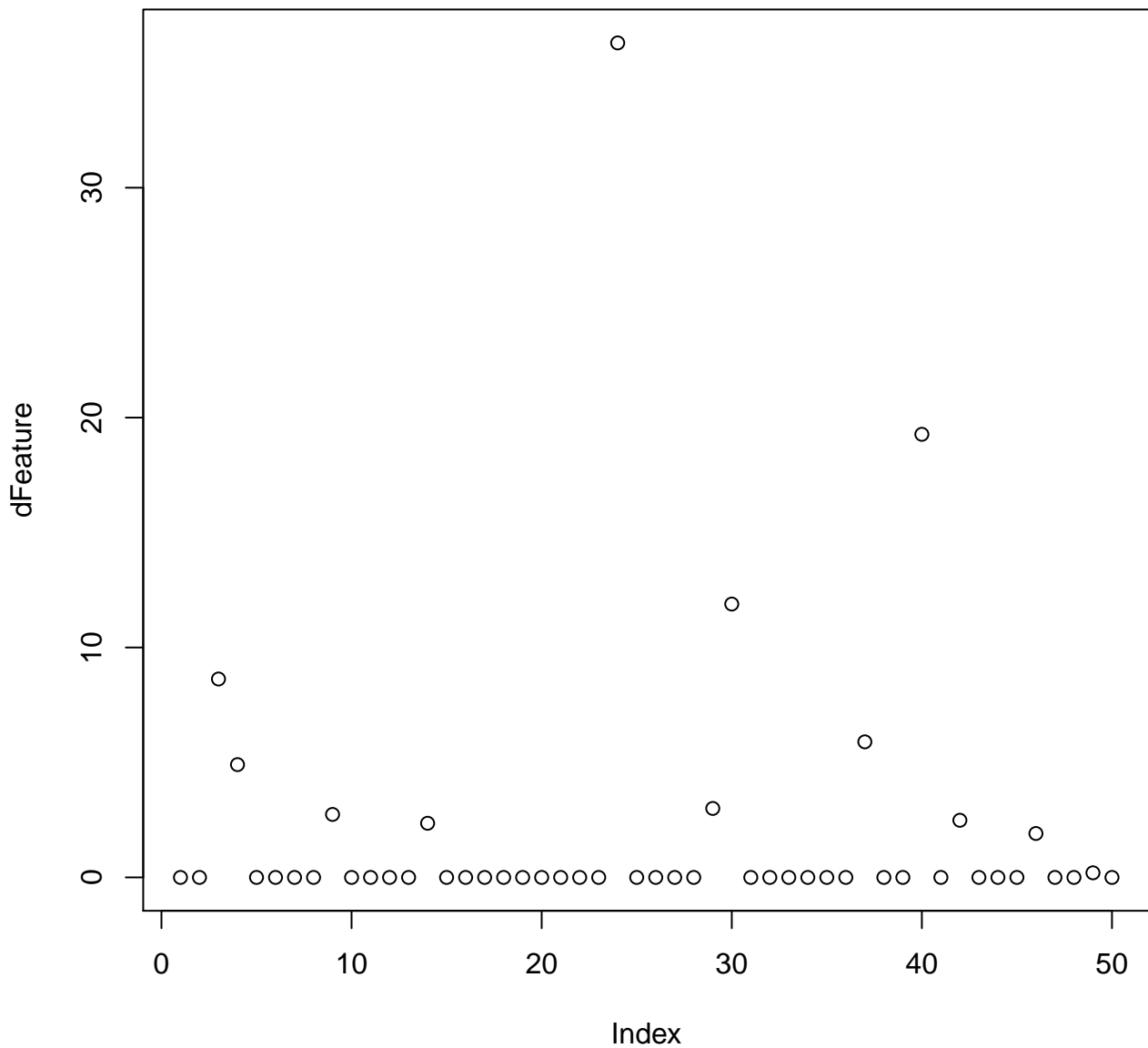
funcMakeFeature Mean (4.4) 8.52 SD(3.15) 0.81 Exp 8.5



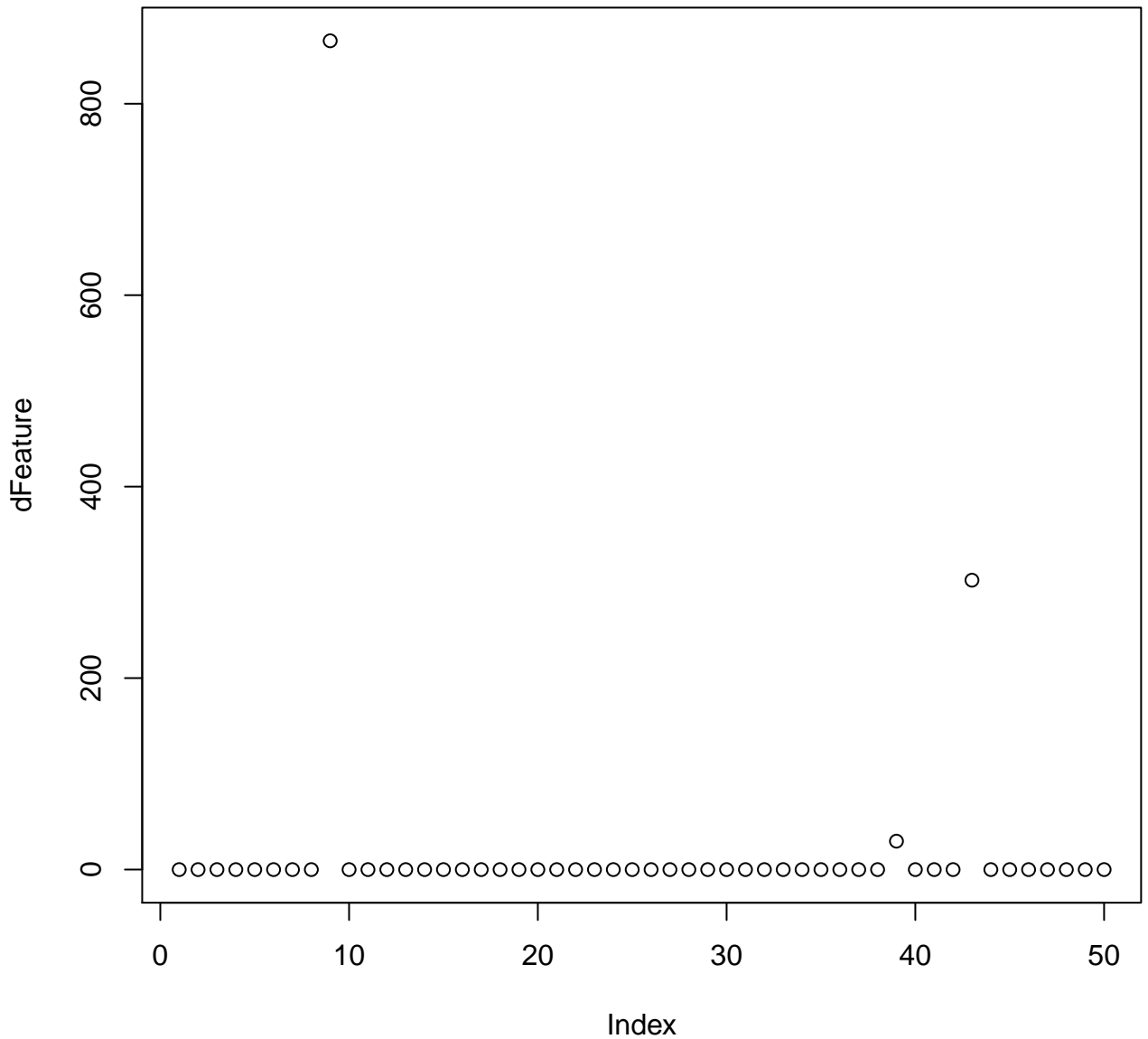
funcMakeFeature Mean (208.06) 324.5 SD(2.57) 0.57 Exp 324.49



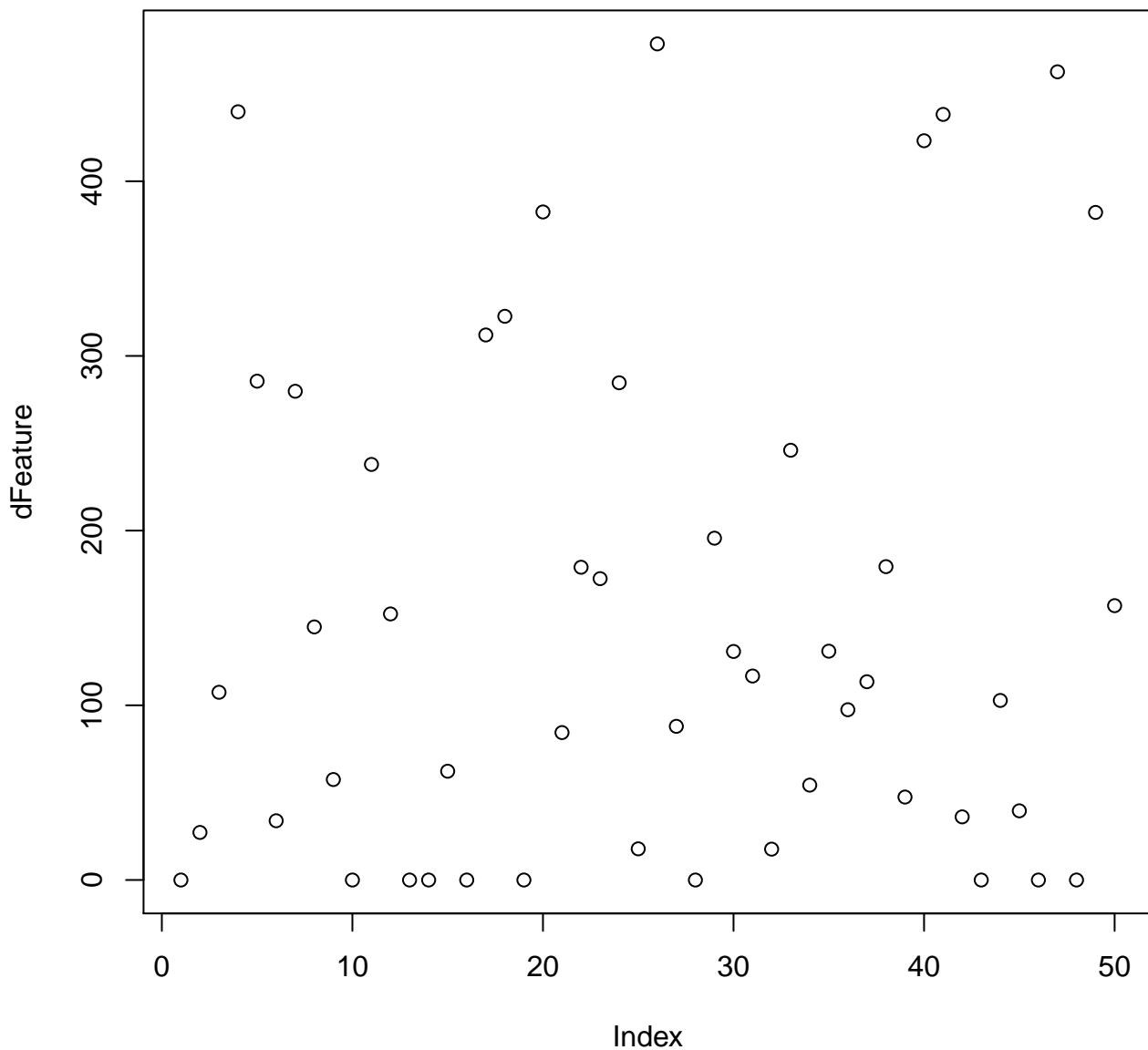
funcMakeFeature Mean (1.29) 1.99 SD(2.52) 1.33 Exp 1.98



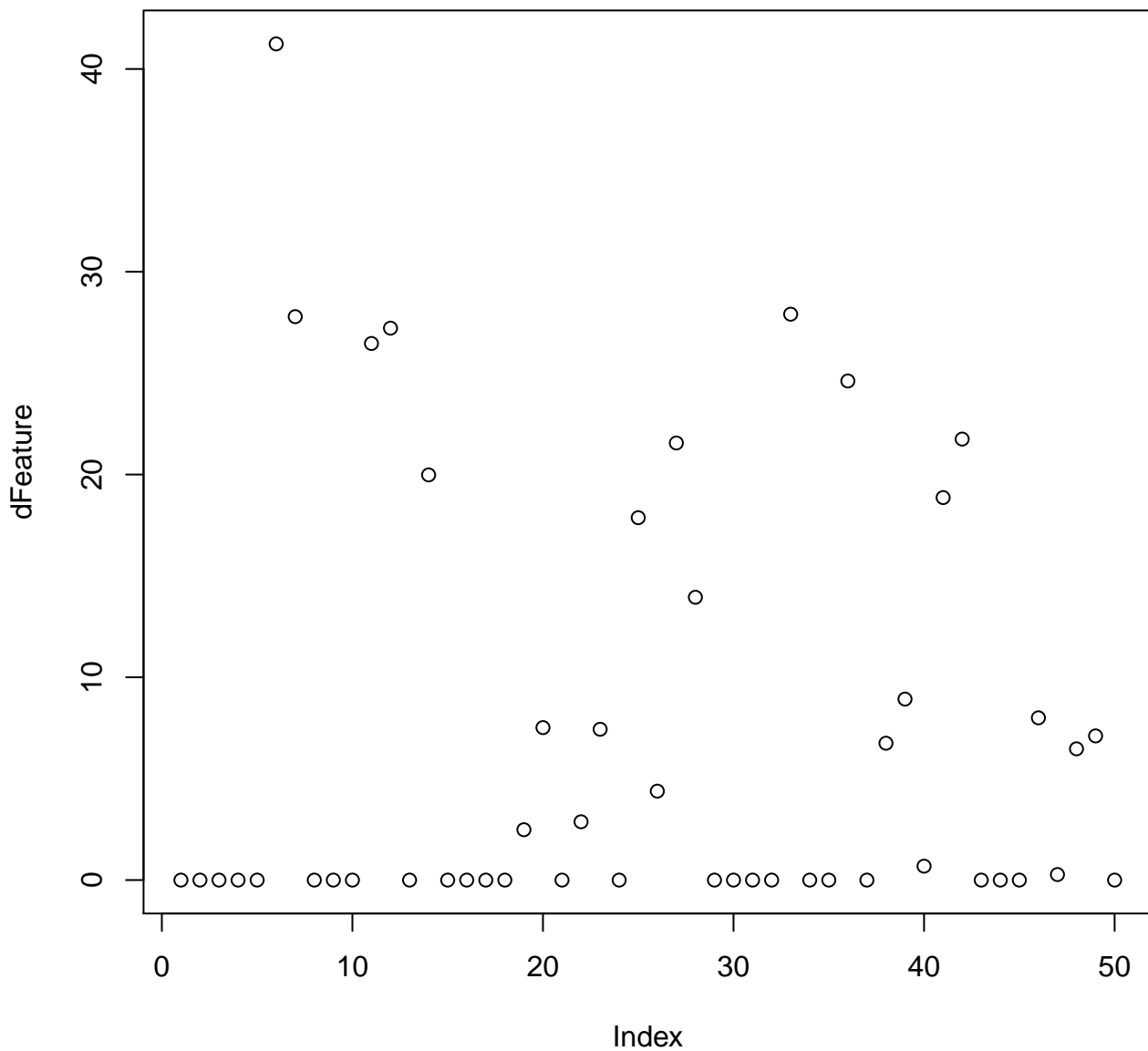
funcMakeFeature Mean (3.49) 23.95 SD(7.11) 1.73 Exp 23.95



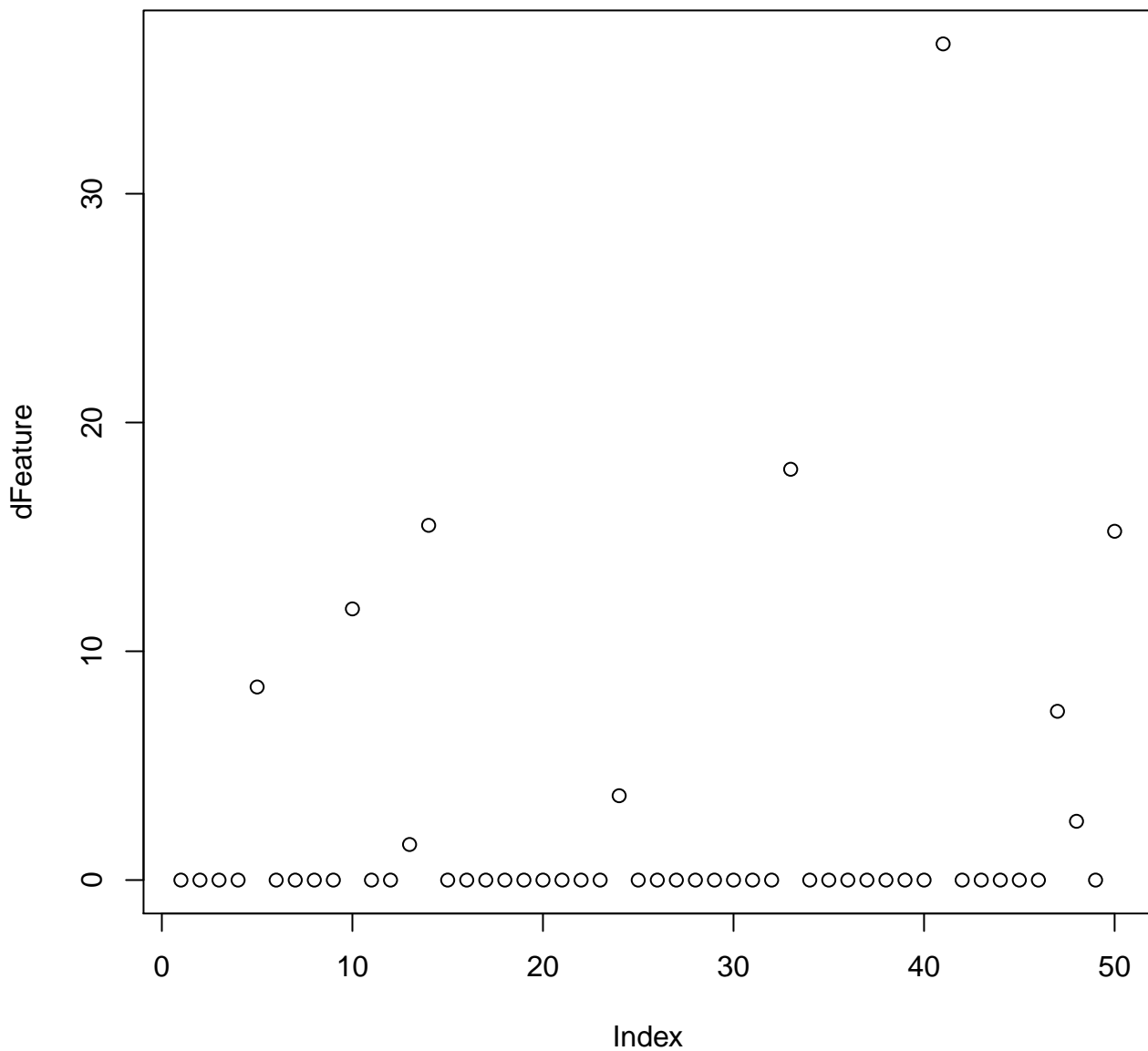
funcMakeFeature Mean (44.35) 150.46 SD(4.77) 0.93 Exp 150.44



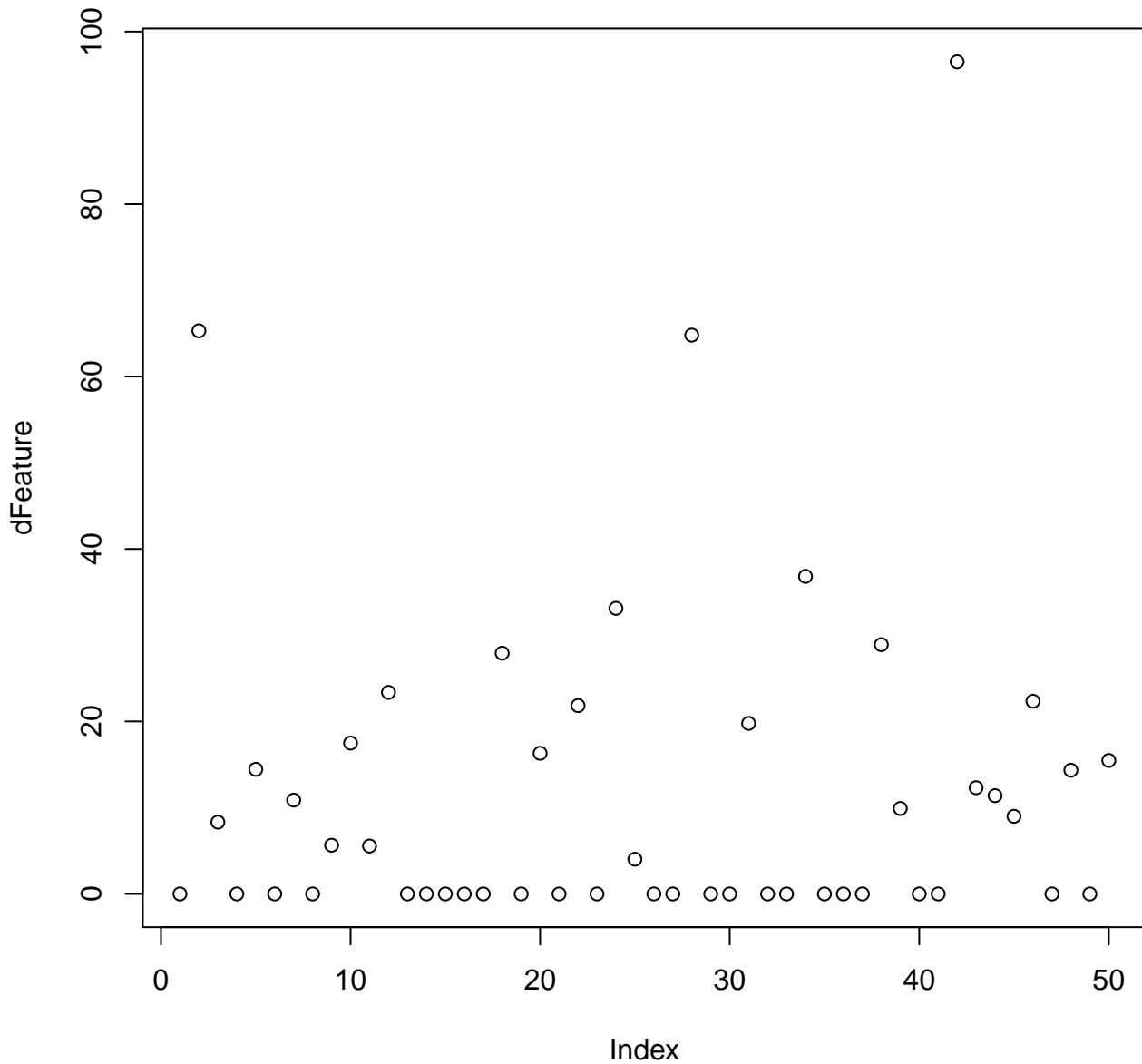
funcMakeFeature Mean (4.22) 7.04 SD(2.75) 1.22 Exp 7.04



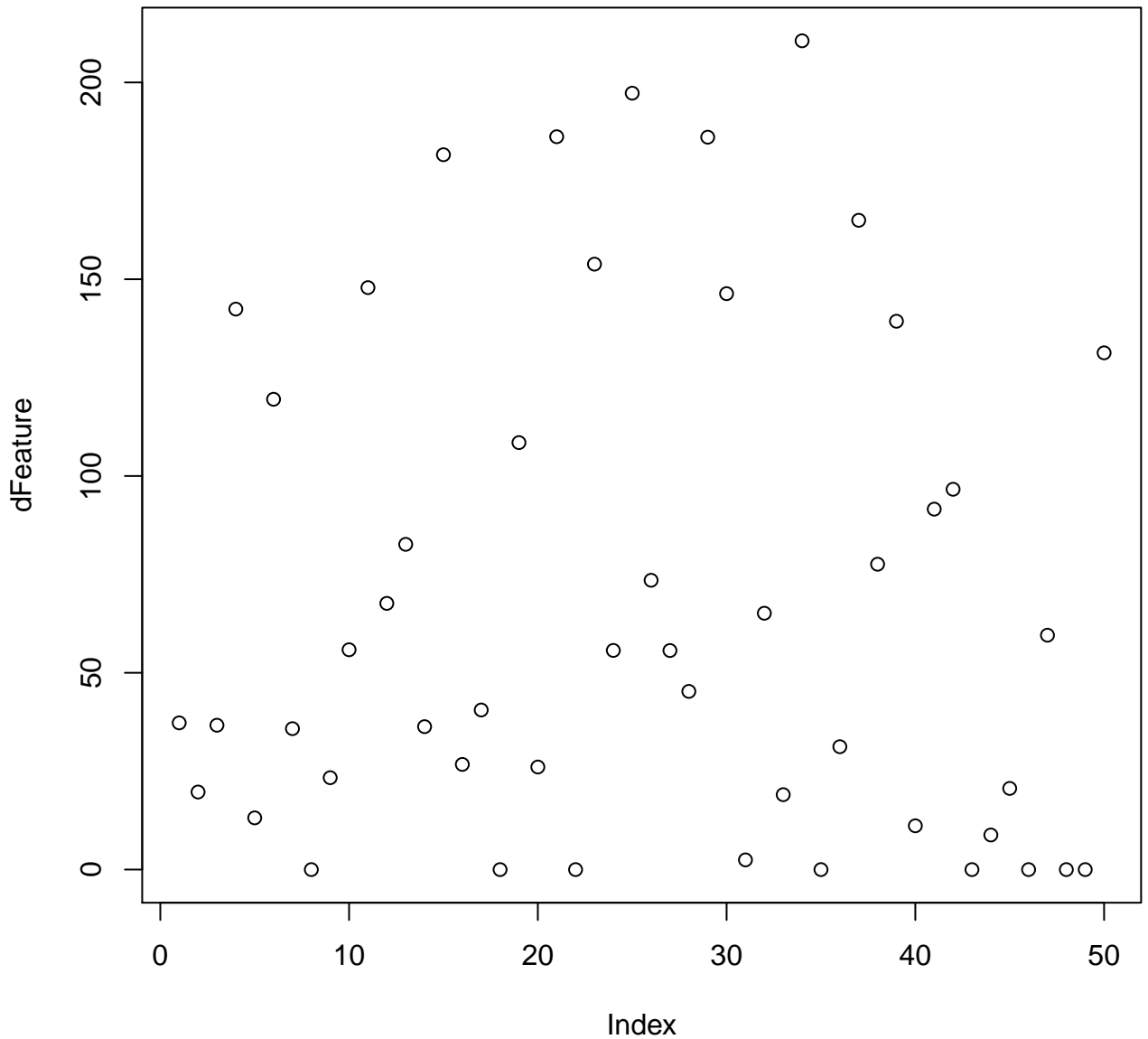
funcMakeFeature Mean (1.42) 2.41 SD(2.79) 0.97 Exp 2.4



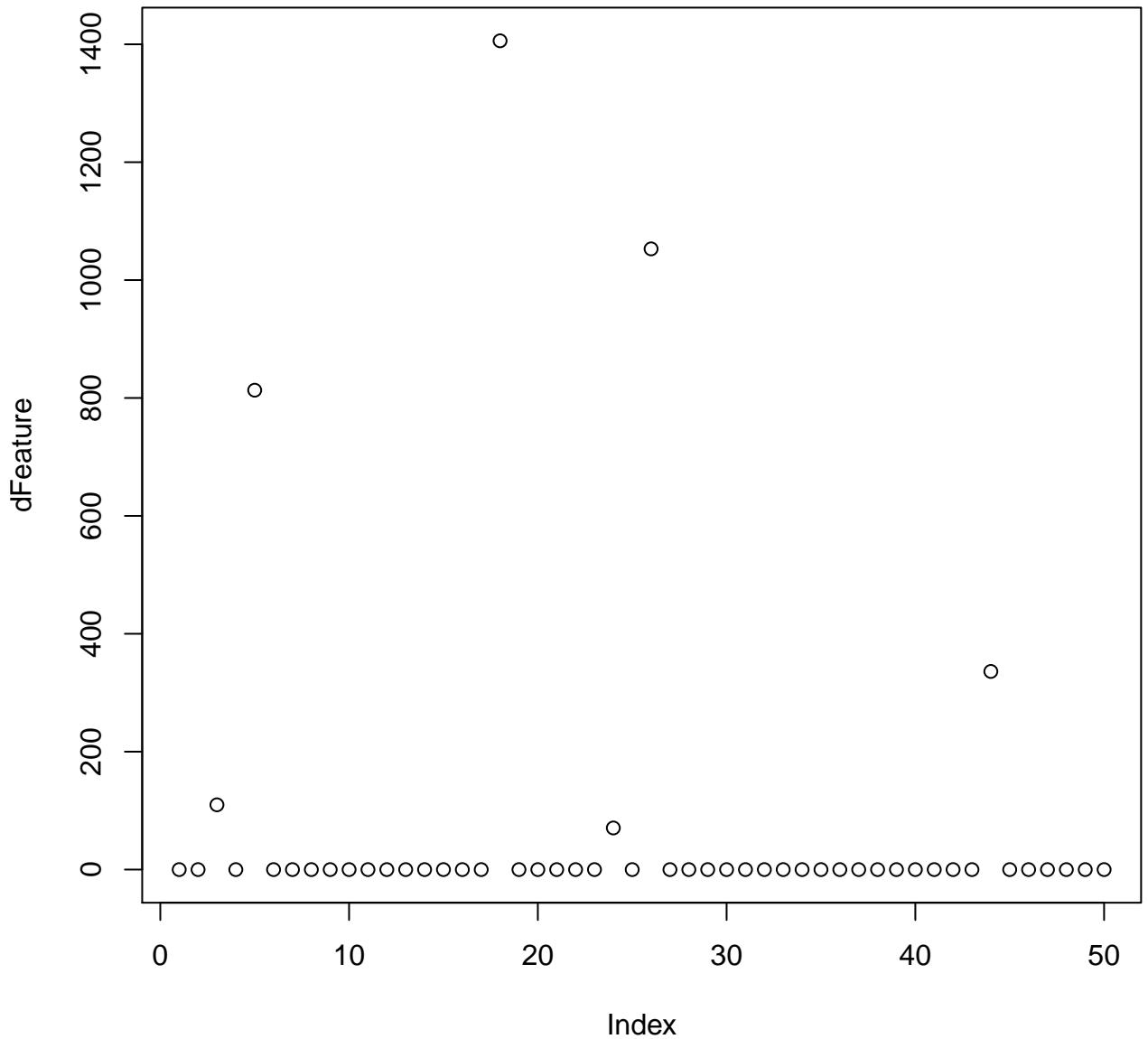
funcMakeFeature Mean (5.97) 11.92 SD(3.24) 0.78 Exp 11.91



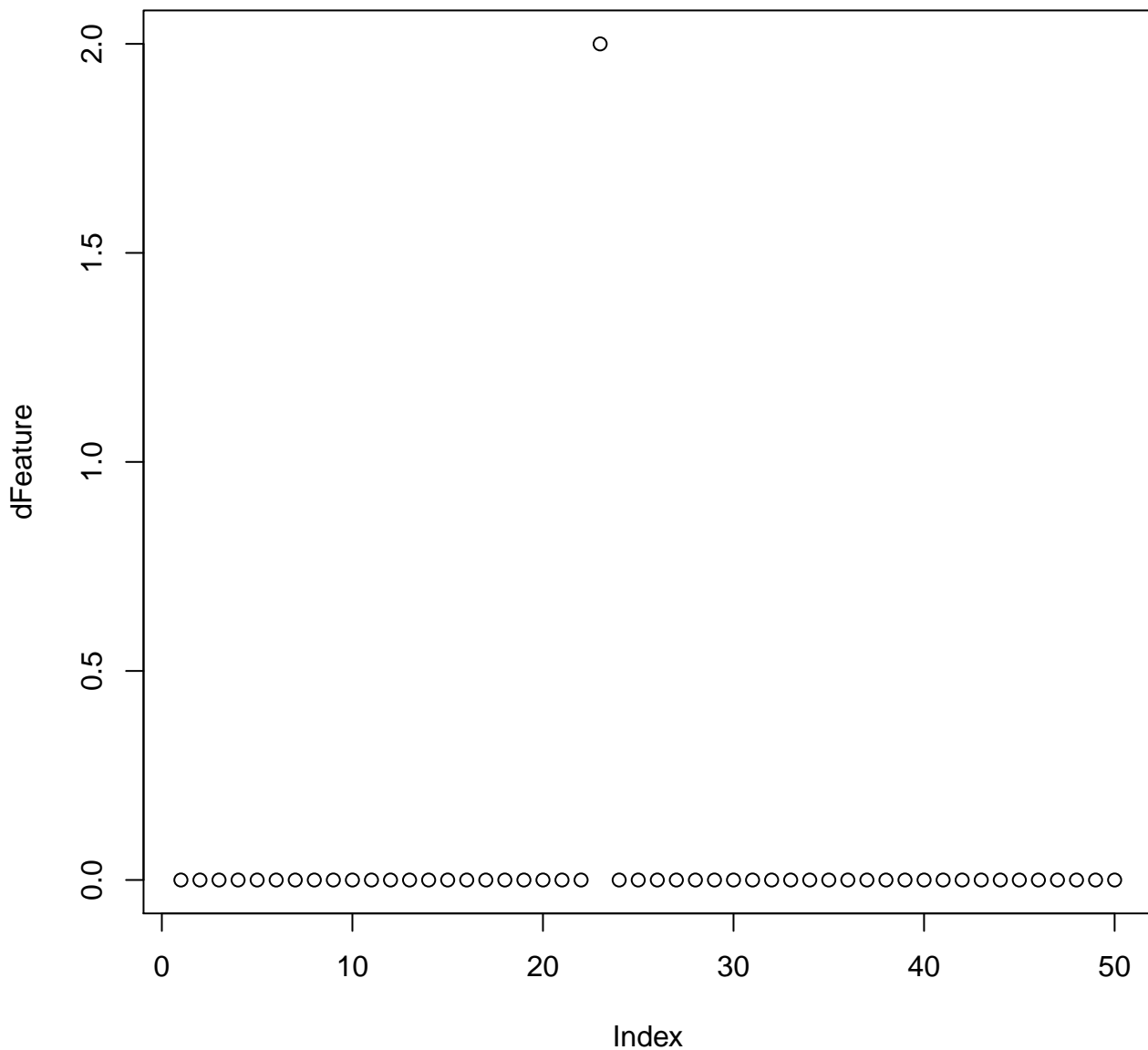
funcMakeFeature Mean (23.3) 68.63 SD(4.35) 0.99 Exp 68.62



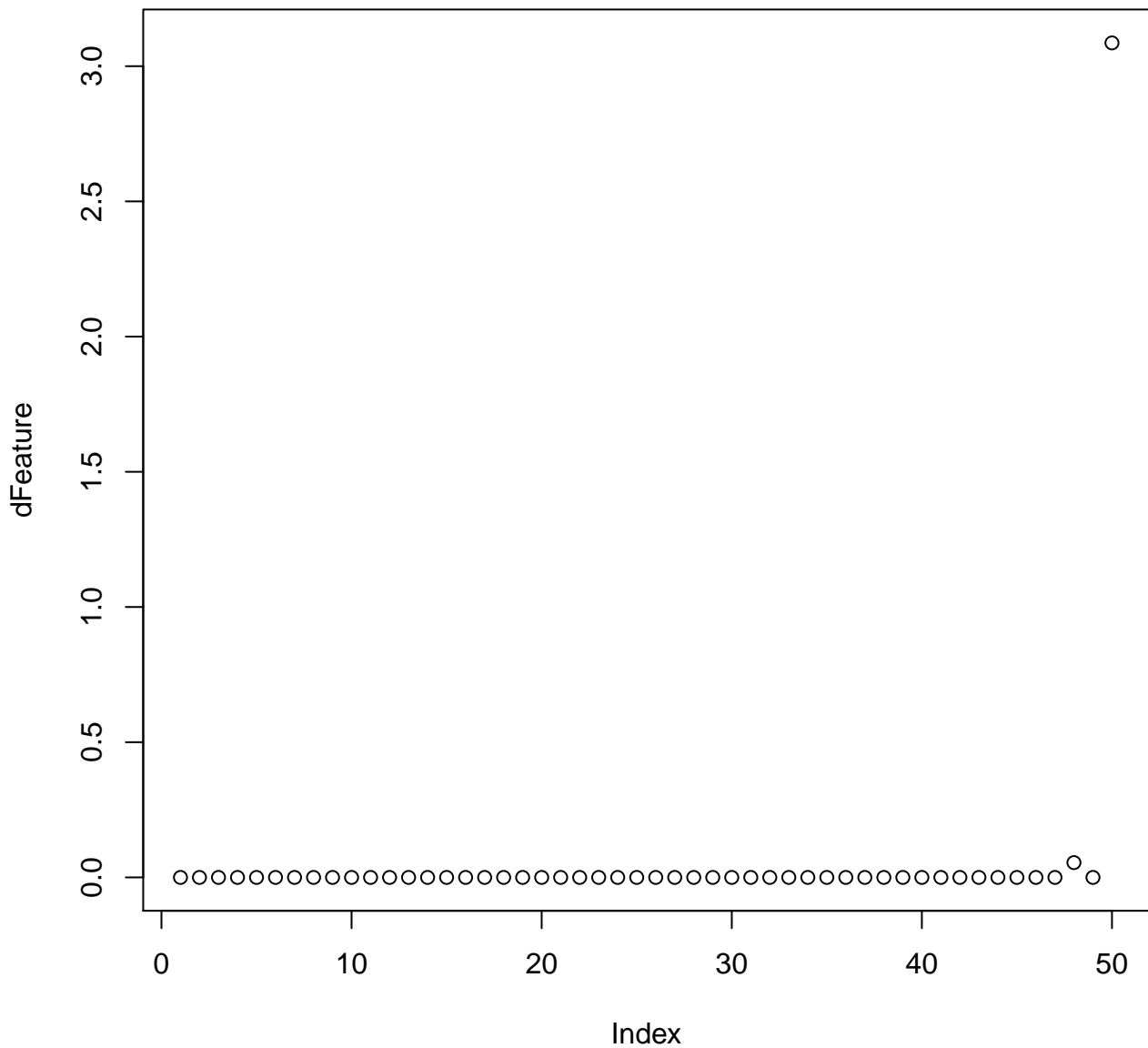
funcMakeFeature Mean (8.68) 75.78 SD(8.02) 1.24 Exp 75.77



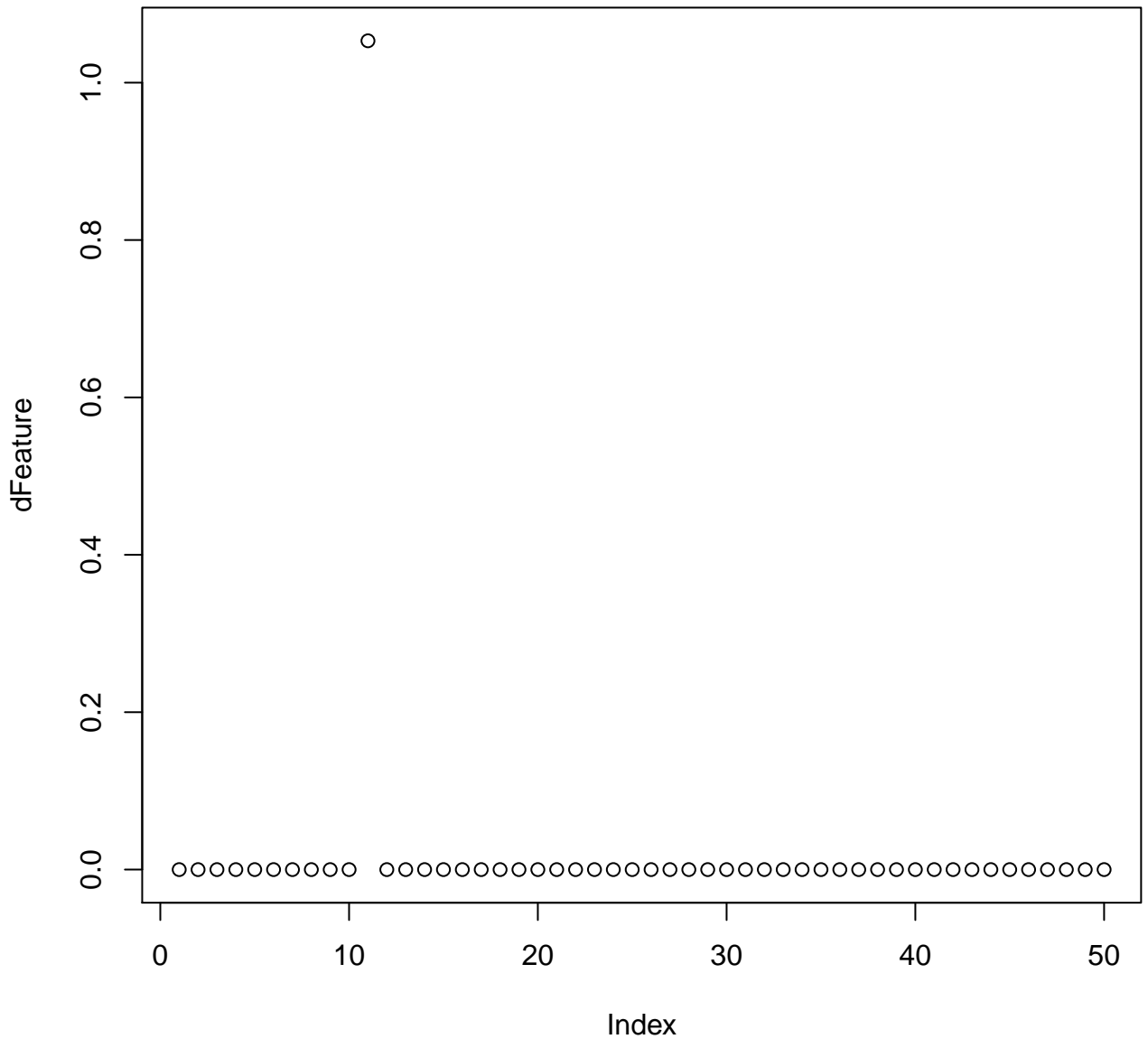
funcMakeFeature Mean (0.1) 0.04 SD(3.23) NA Exp 0.21



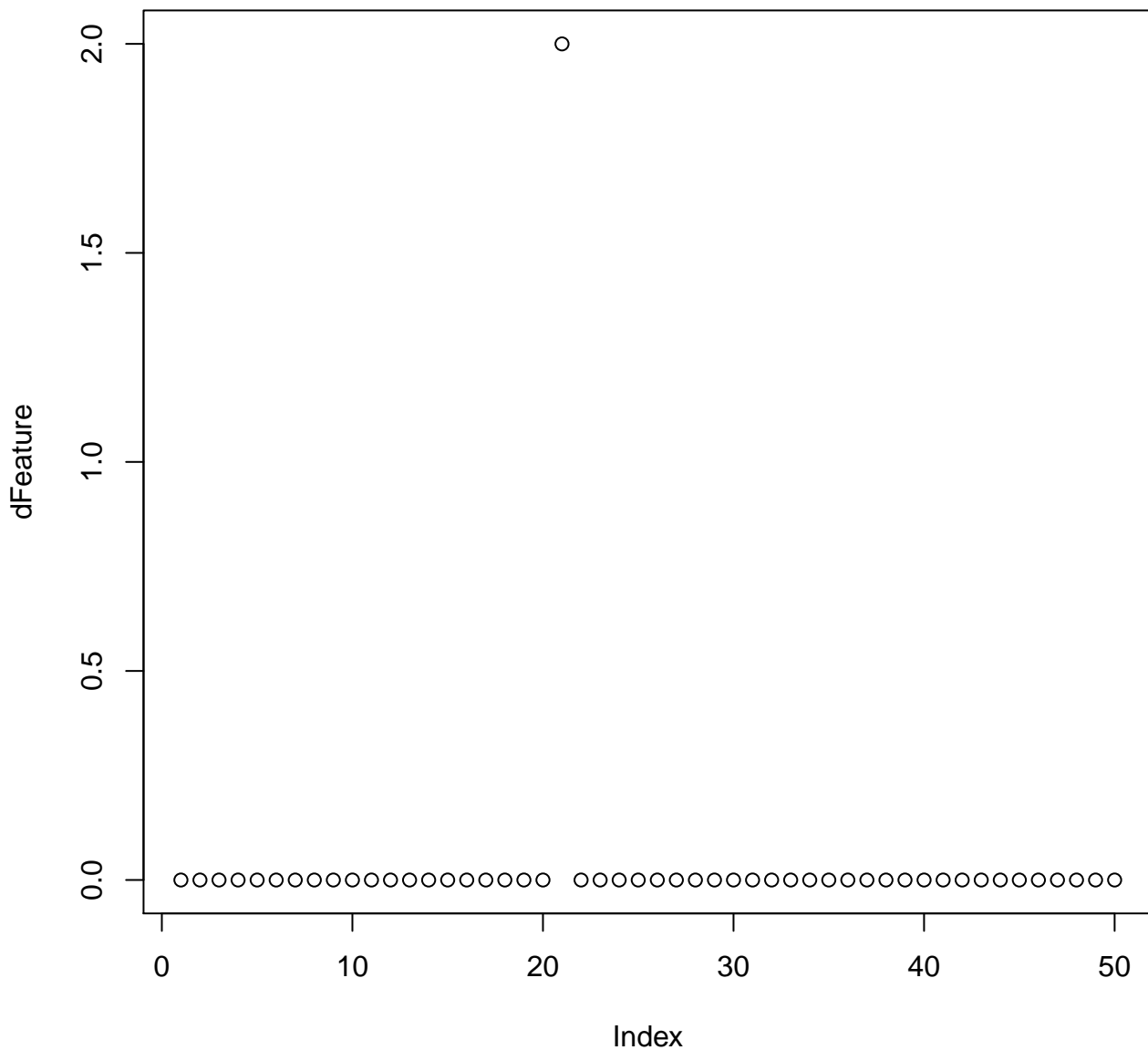
funcMakeFeature Mean (0.04) 0.06 SD(2.14) 2.85 Exp 0.06



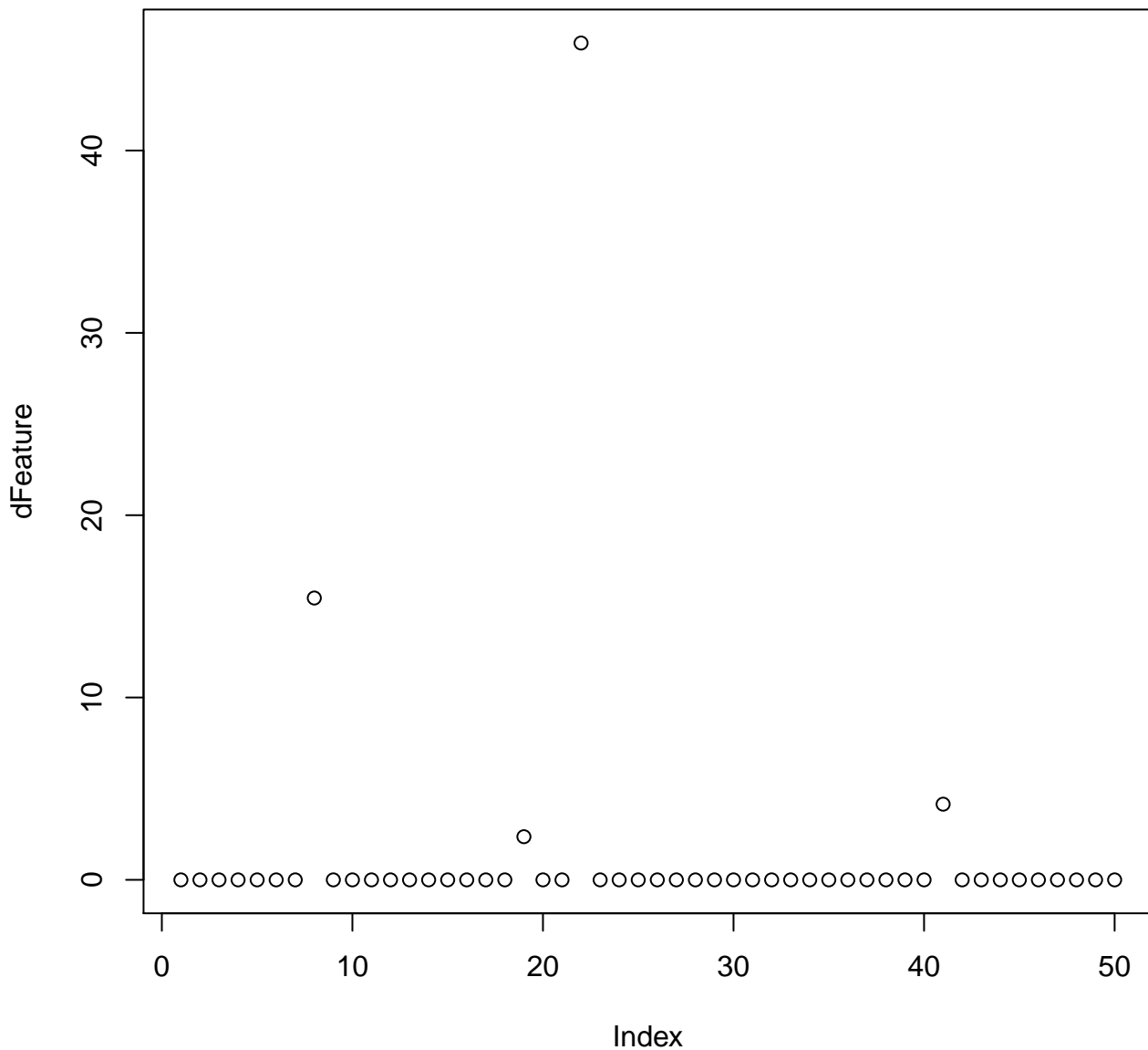
funcMakeFeature Mean (0.1) 0.02 SD(2.32) NA Exp 0.14



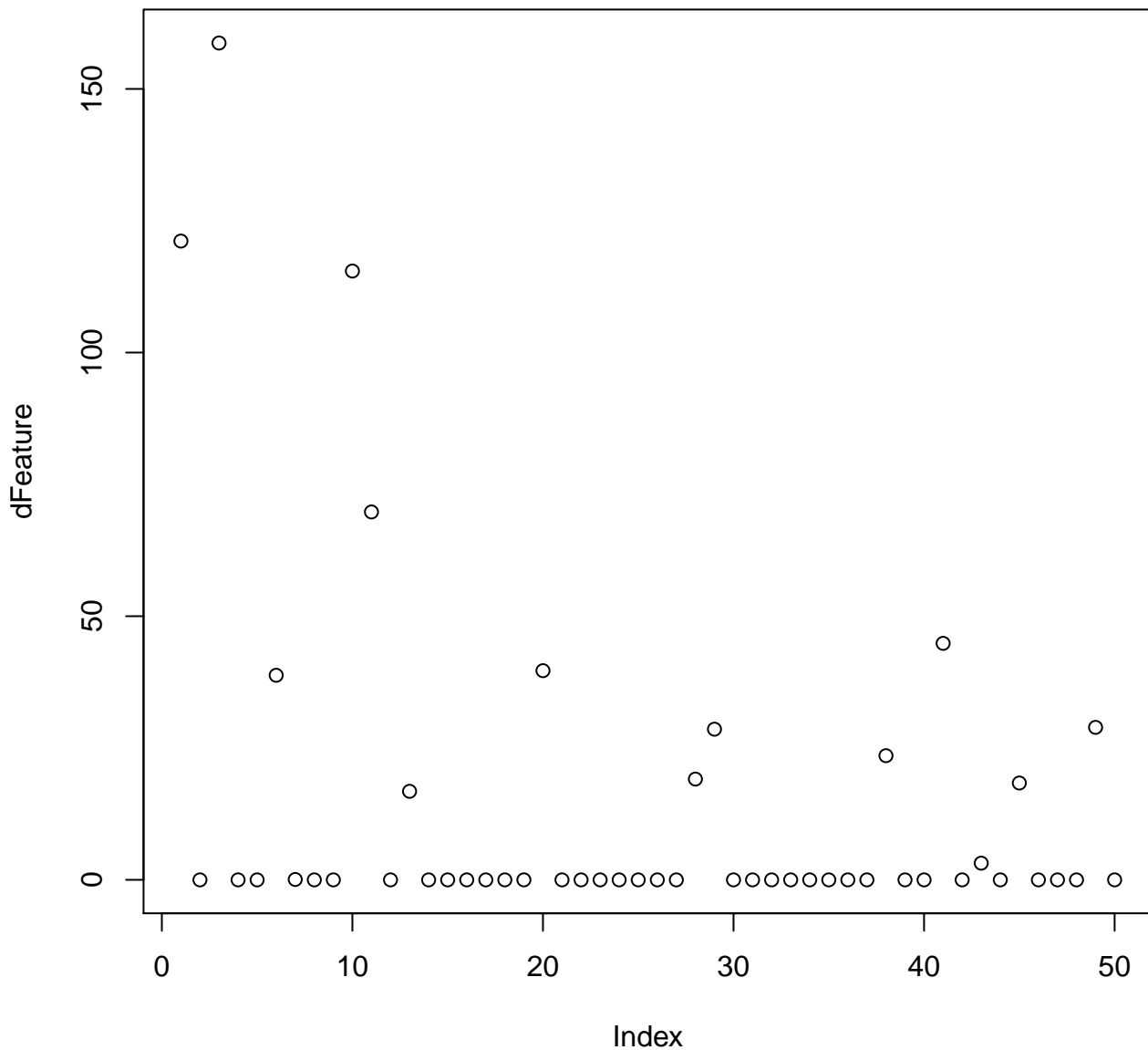
funcMakeFeature Mean (0.13) 0.04 SD(1.96) NA Exp 0.17



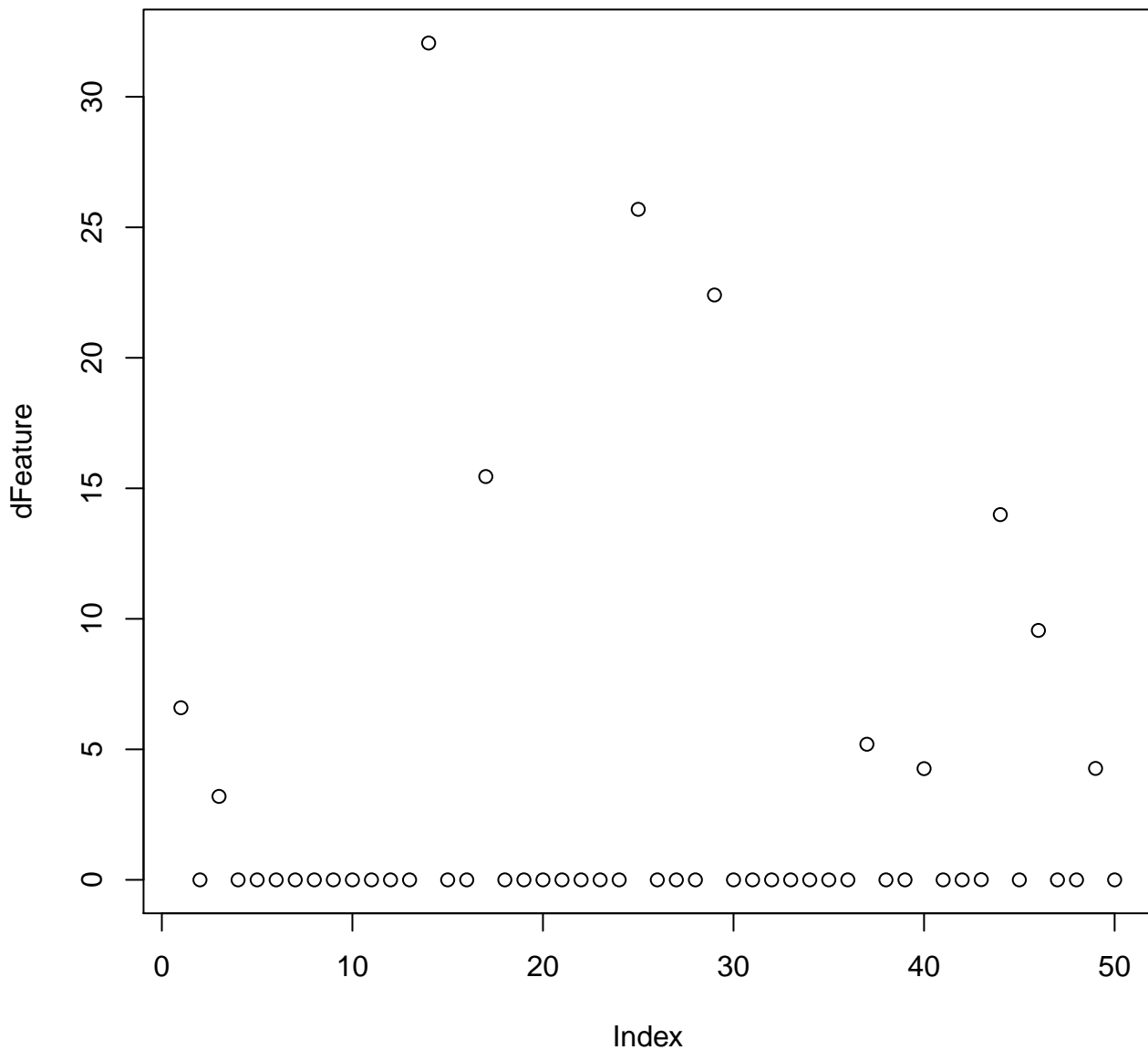
funcMakeFeature Mean (0.69) 1.36 SD(3.16) 1.33 Exp 1.34



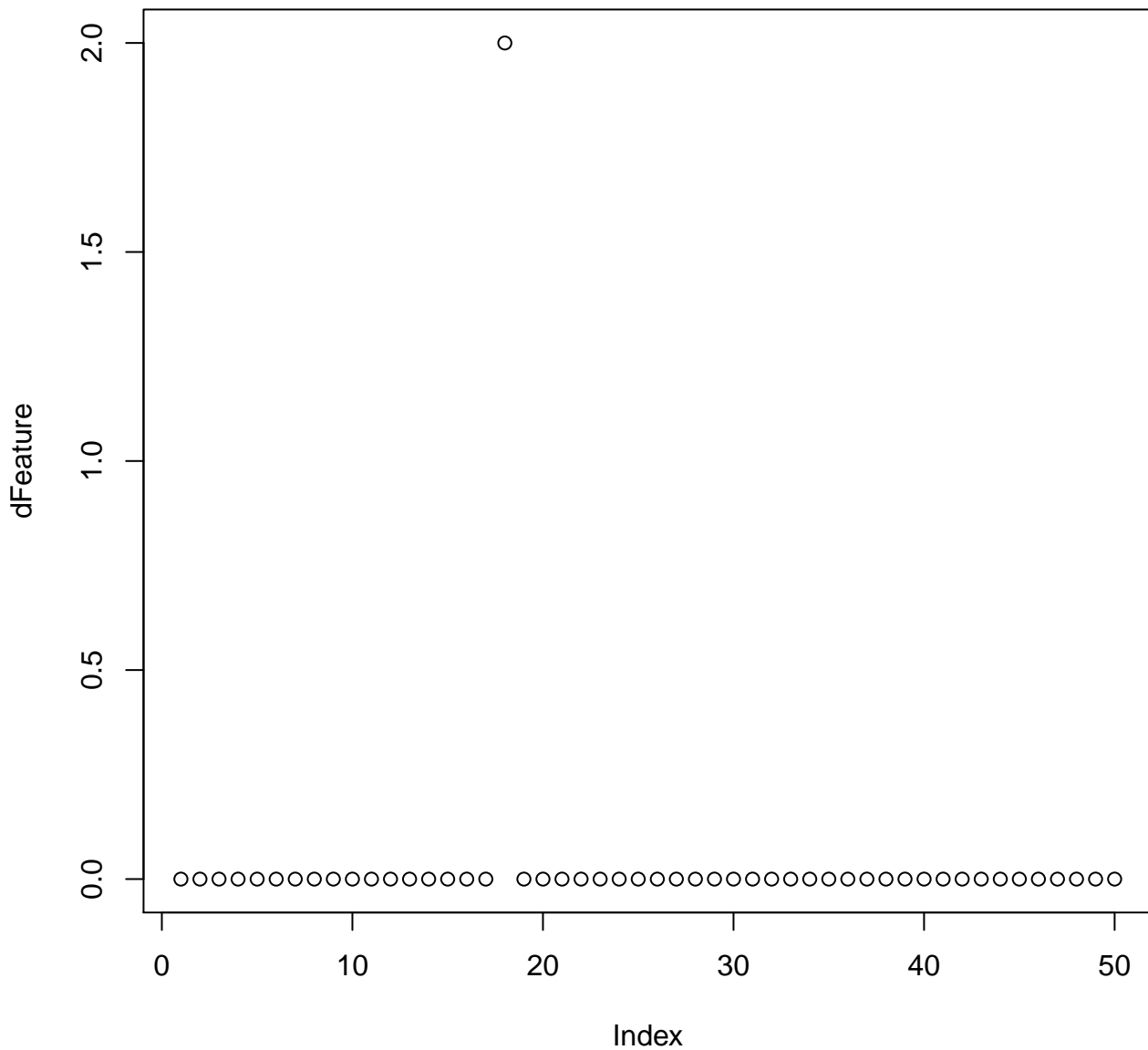
funcMakeFeature Mean (4.24) 14.54 SD(4.8) 1.87 Exp 14.54



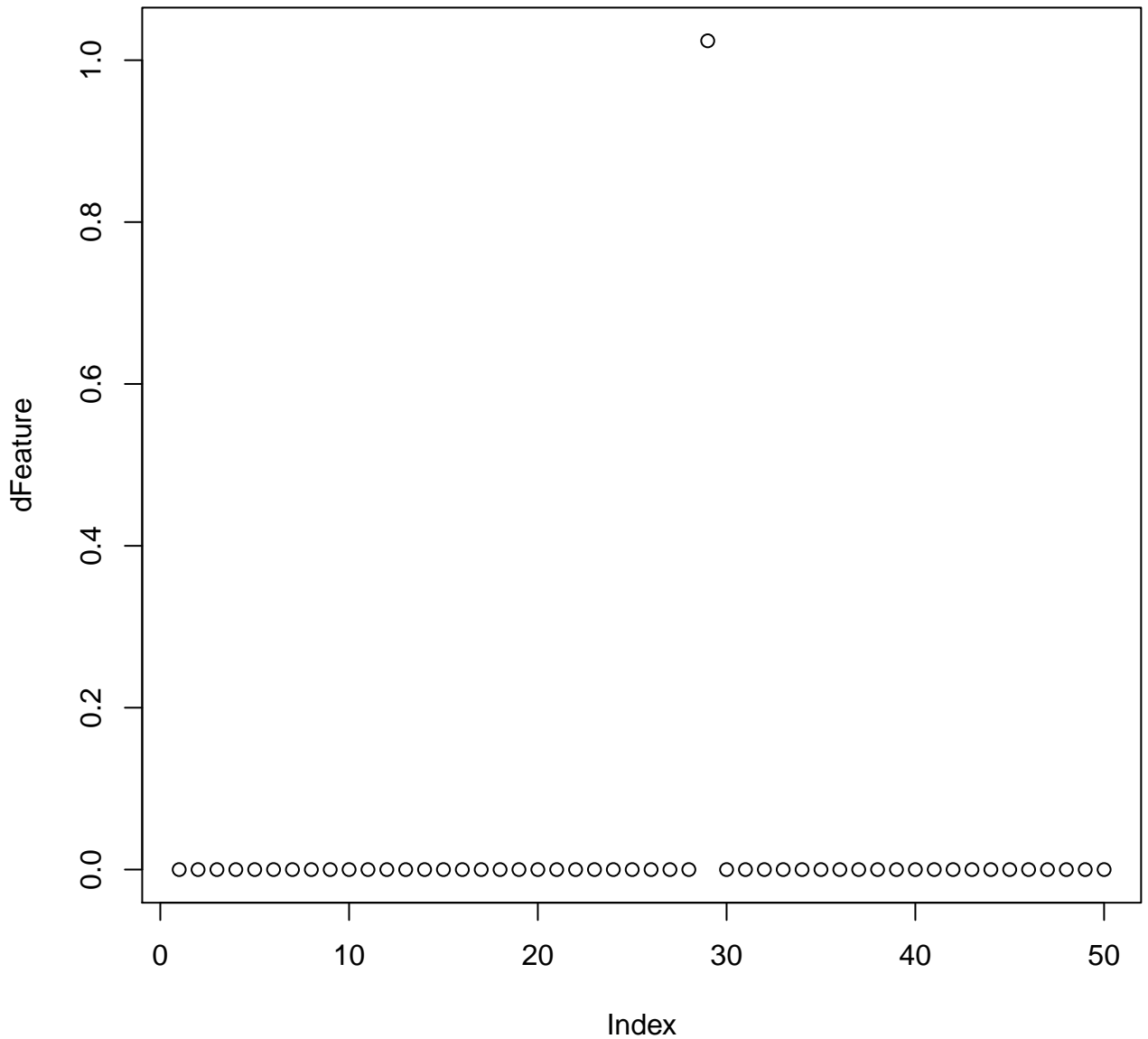
funcMakeFeature Mean (1.03) 2.85 SD(4.16) 2.23 Exp 2.85



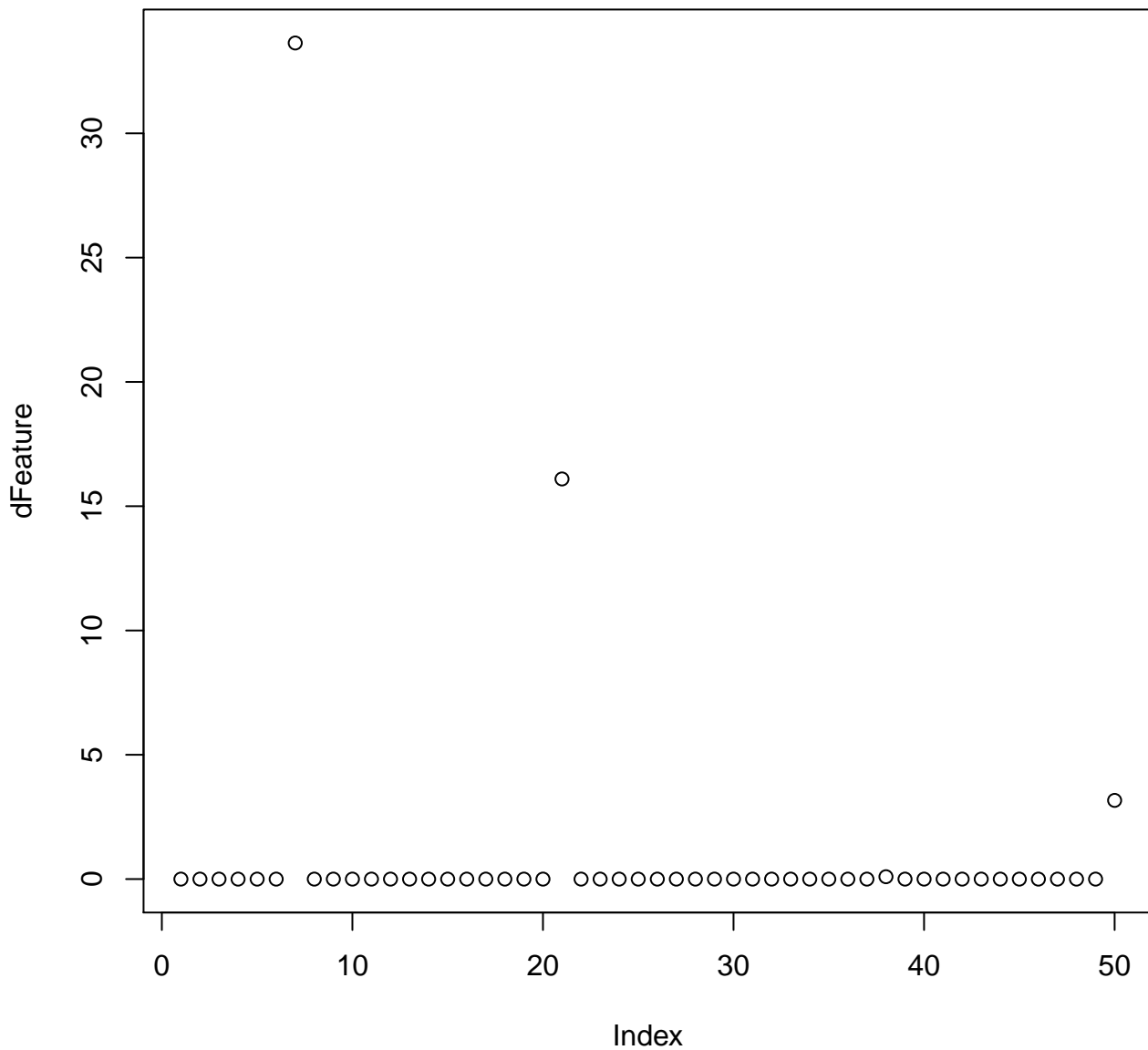
funcMakeFeature Mean (0.33) 0.04 SD(7.95) NA Exp 2.86



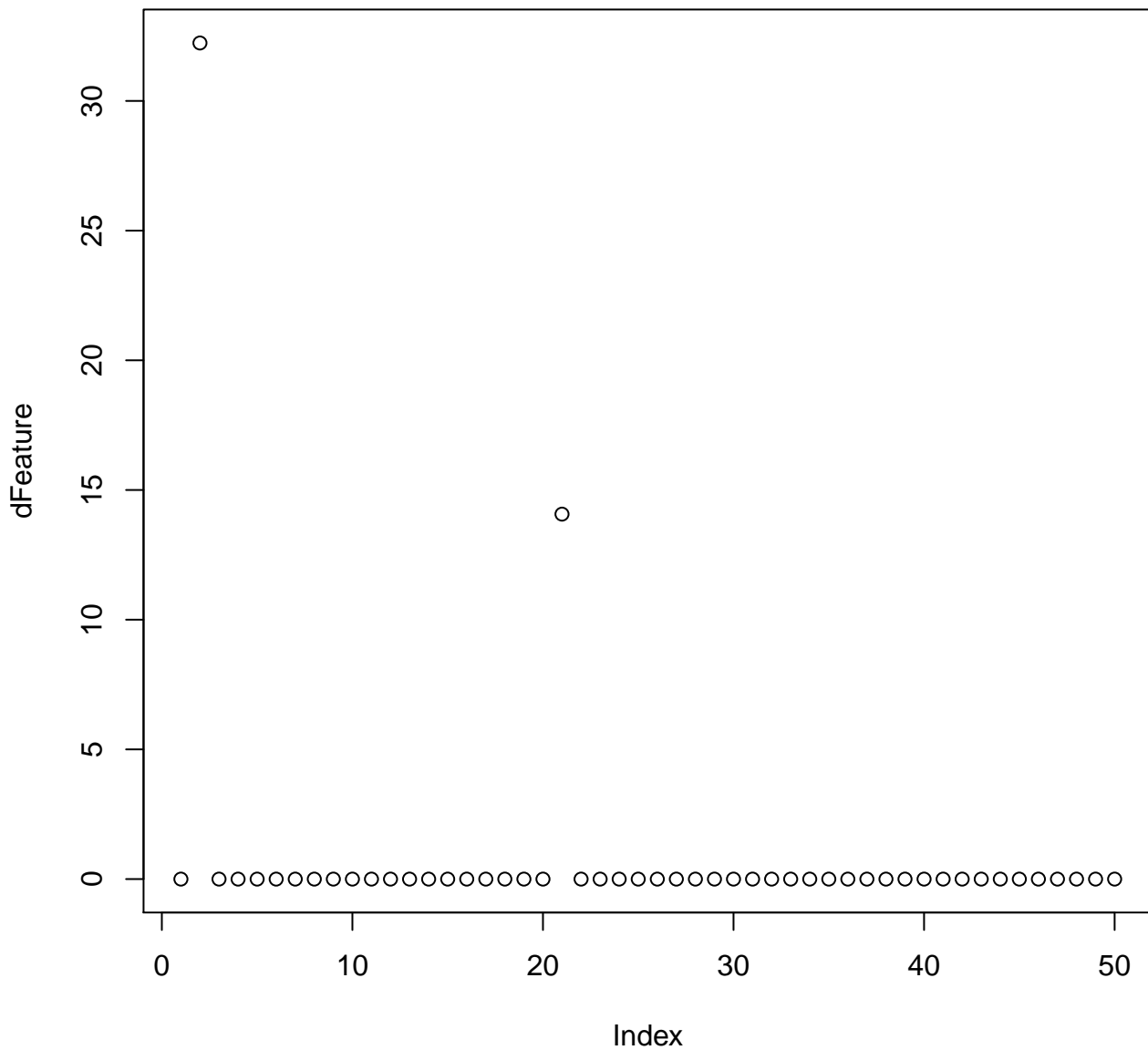
funcMakeFeature Mean (0.15) 0.02 SD(2.12) NA Exp 0.2



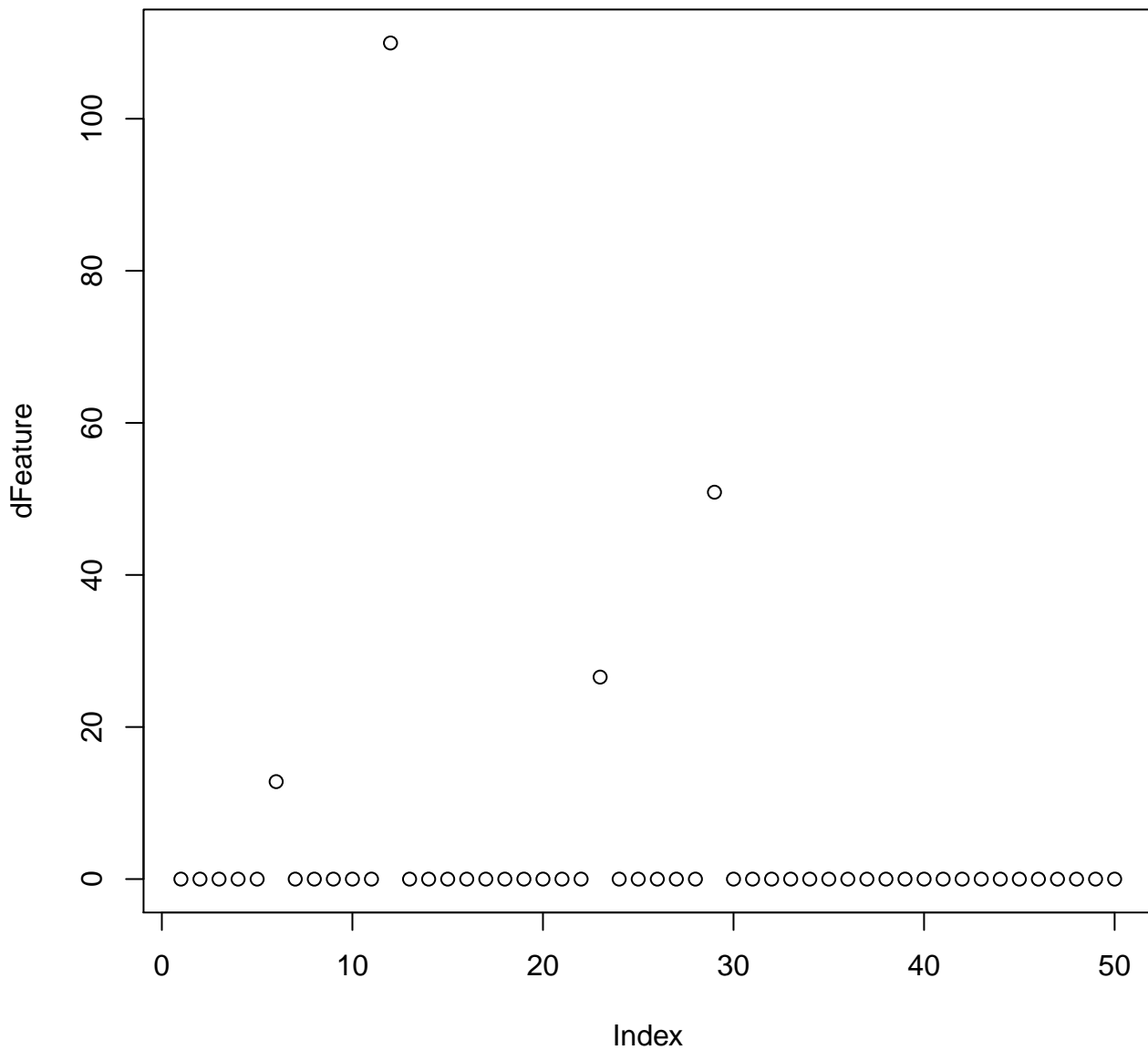
funcMakeFeature Mean (0.48) 1.06 SD(3.5) 2.61 Exp 1.06



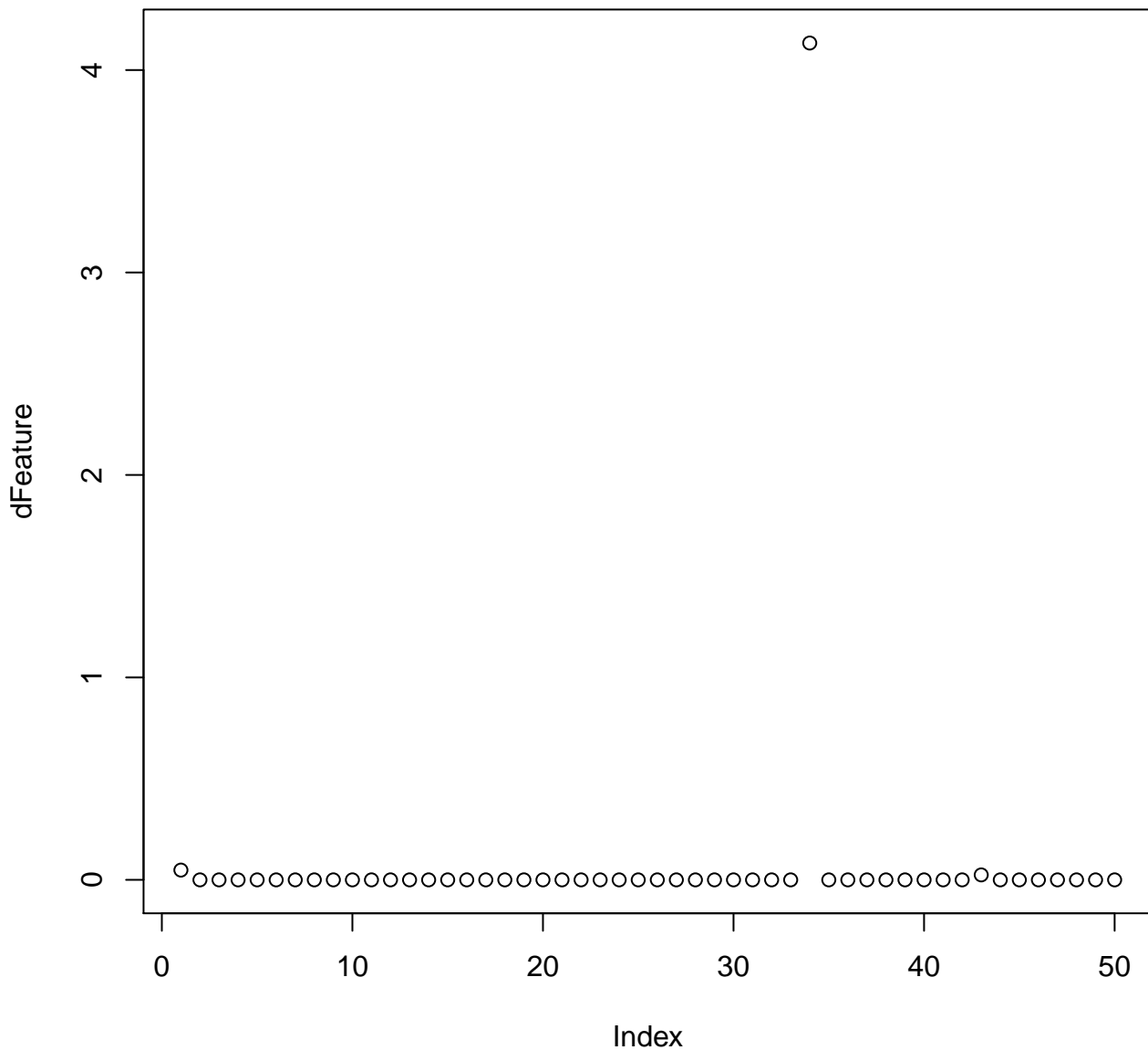
funcMakeFeature Mean (0.34) 0.93 SD(4.11) 0.59 Exp 0.92



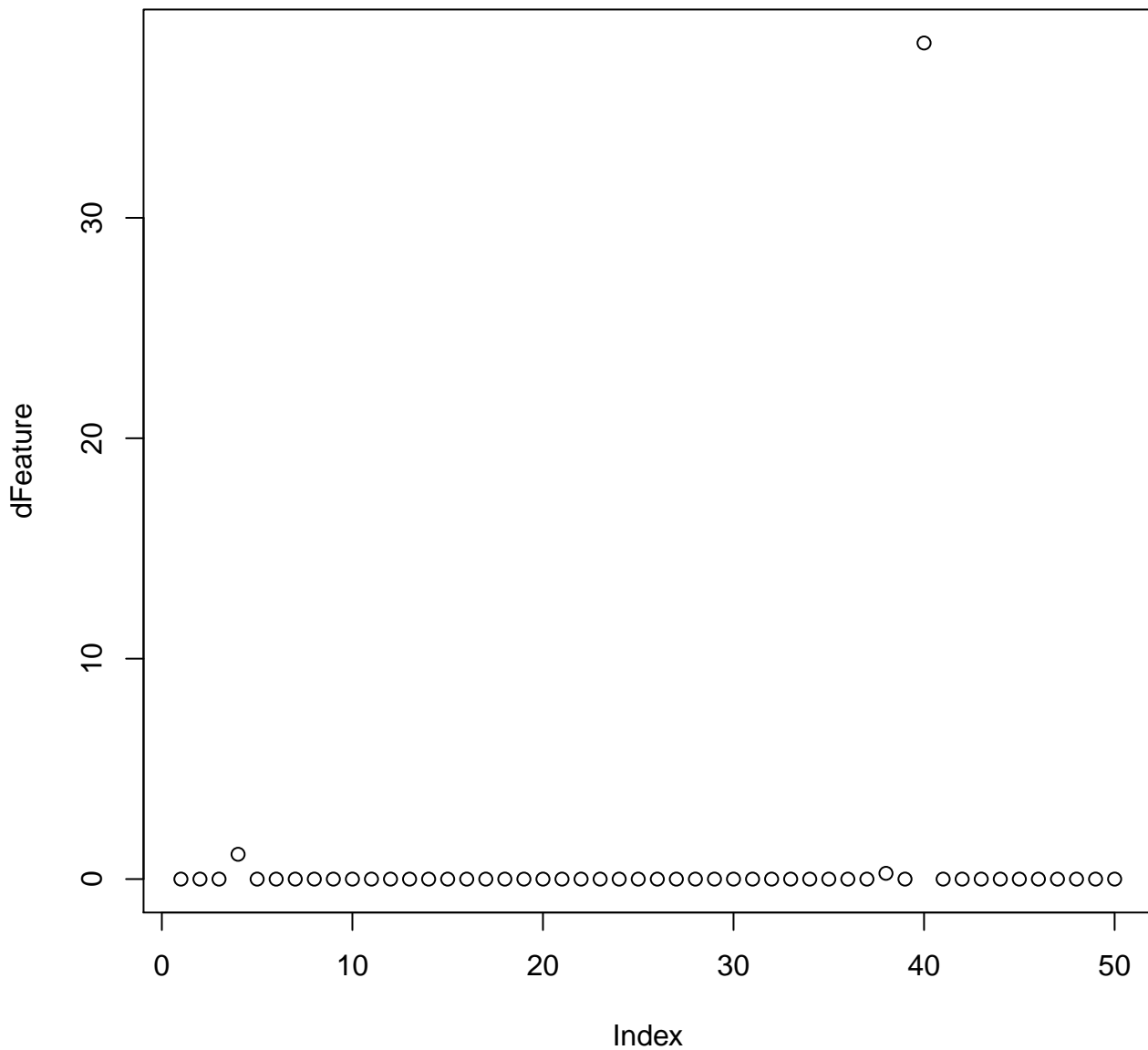
funcMakeFeature Mean (0.88) 4 SD(5.69) 0.92 Exp 4



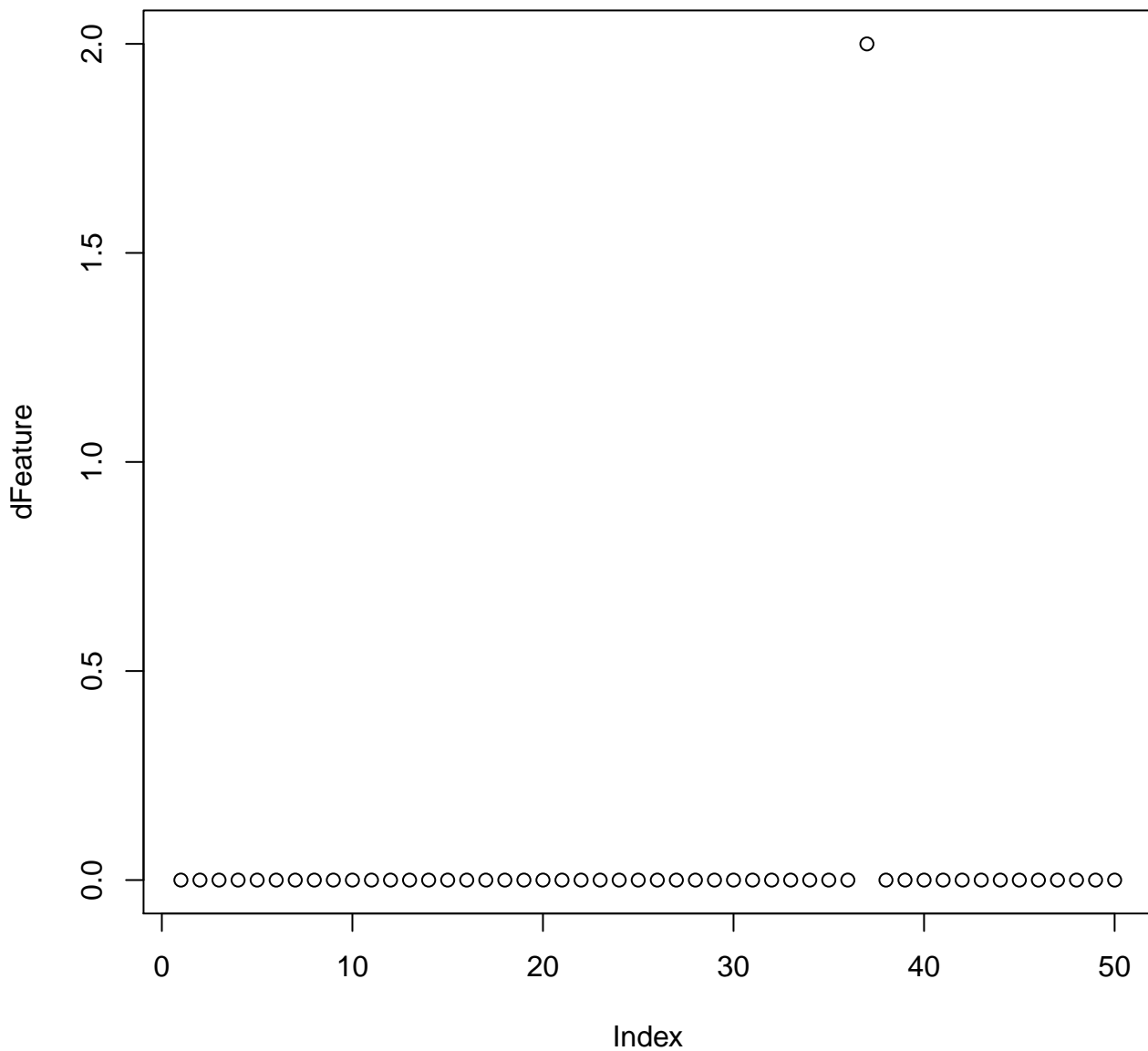
funcMakeFeature Mean (0.05) 0.08 SD(2.73) 2.79 Exp 0.08



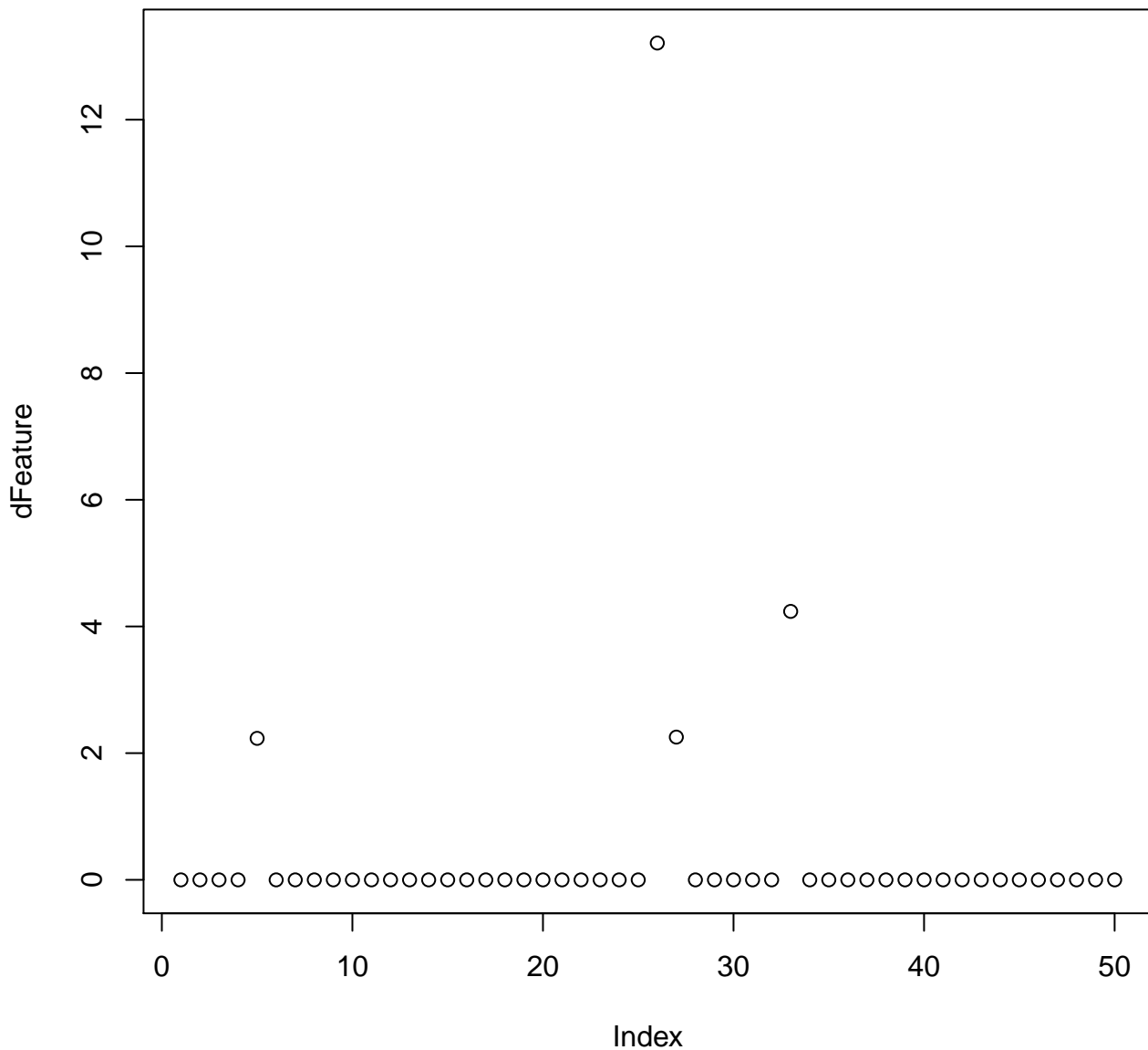
funcMakeFeature Mean (0.36) 0.79 SD(3.44) 2.56 Exp 0.78



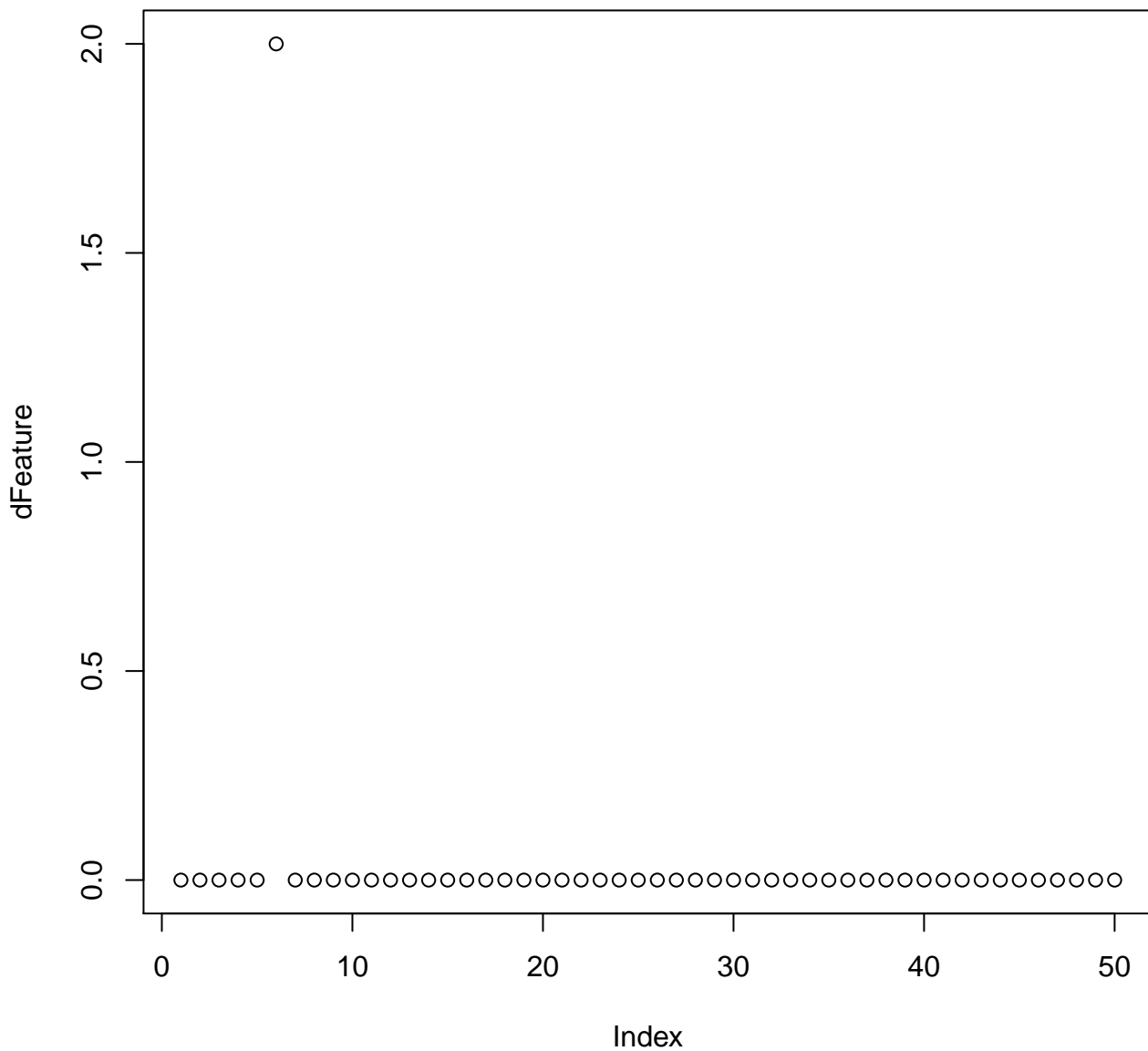
funcMakeFeature Mean (0.14) 0.04 SD(1.74) NA Exp 0.16



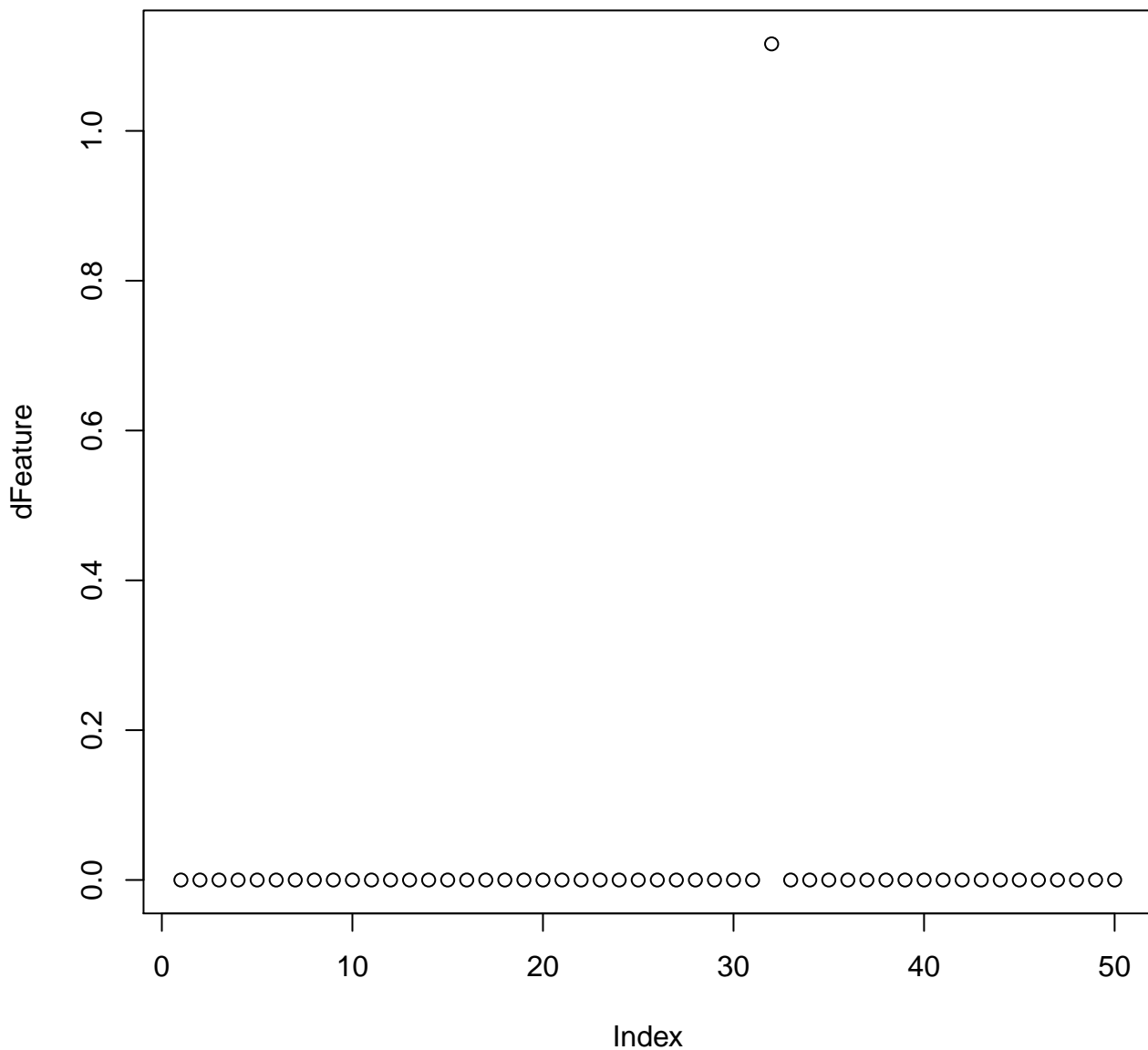
funcMakeFeature Mean (0.22) 0.44 SD(3.08) 0.84 Exp 0.42



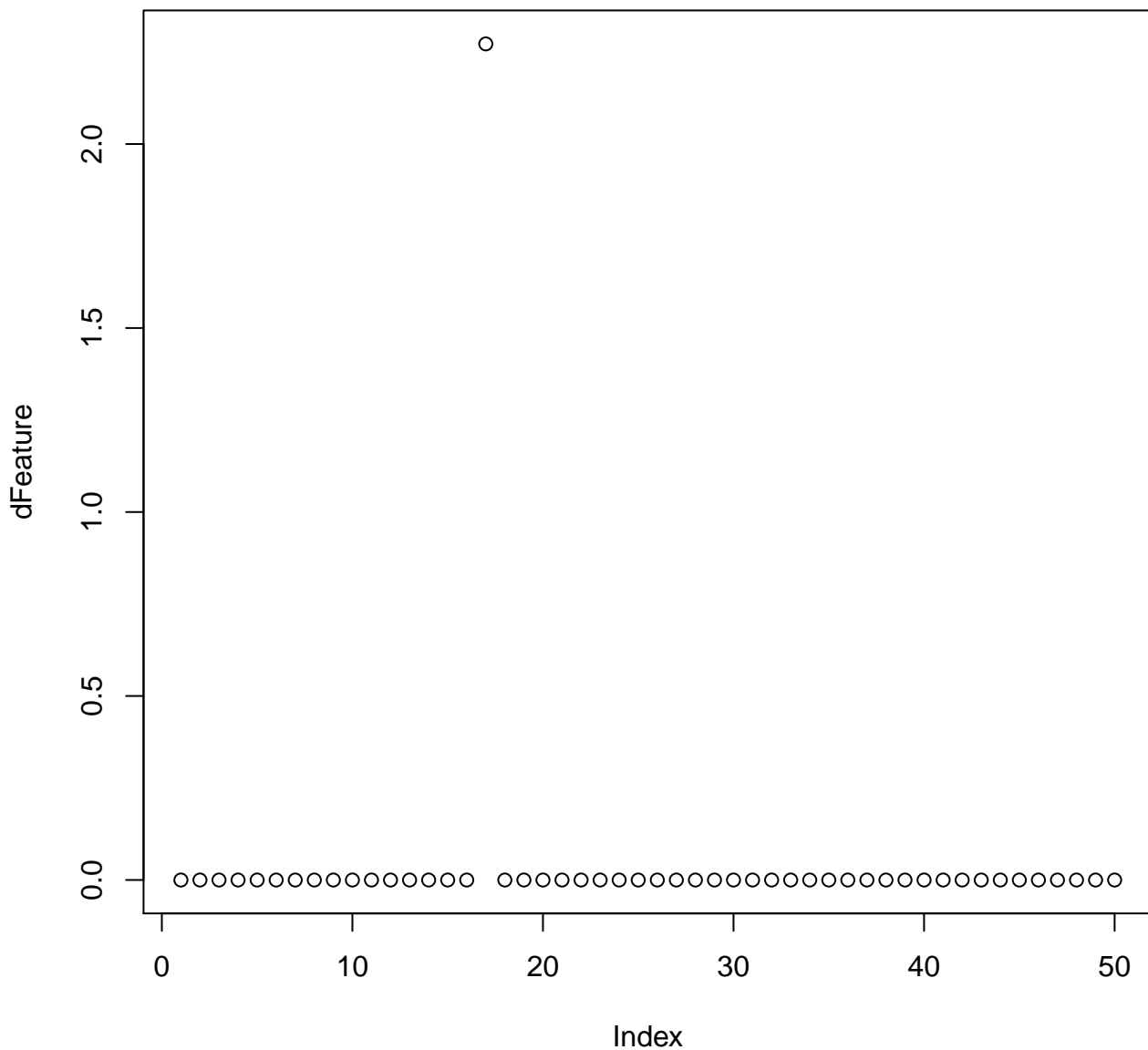
funcMakeFeature Mean (0.04) 0.04 SD(1.84) NA Exp 0.04



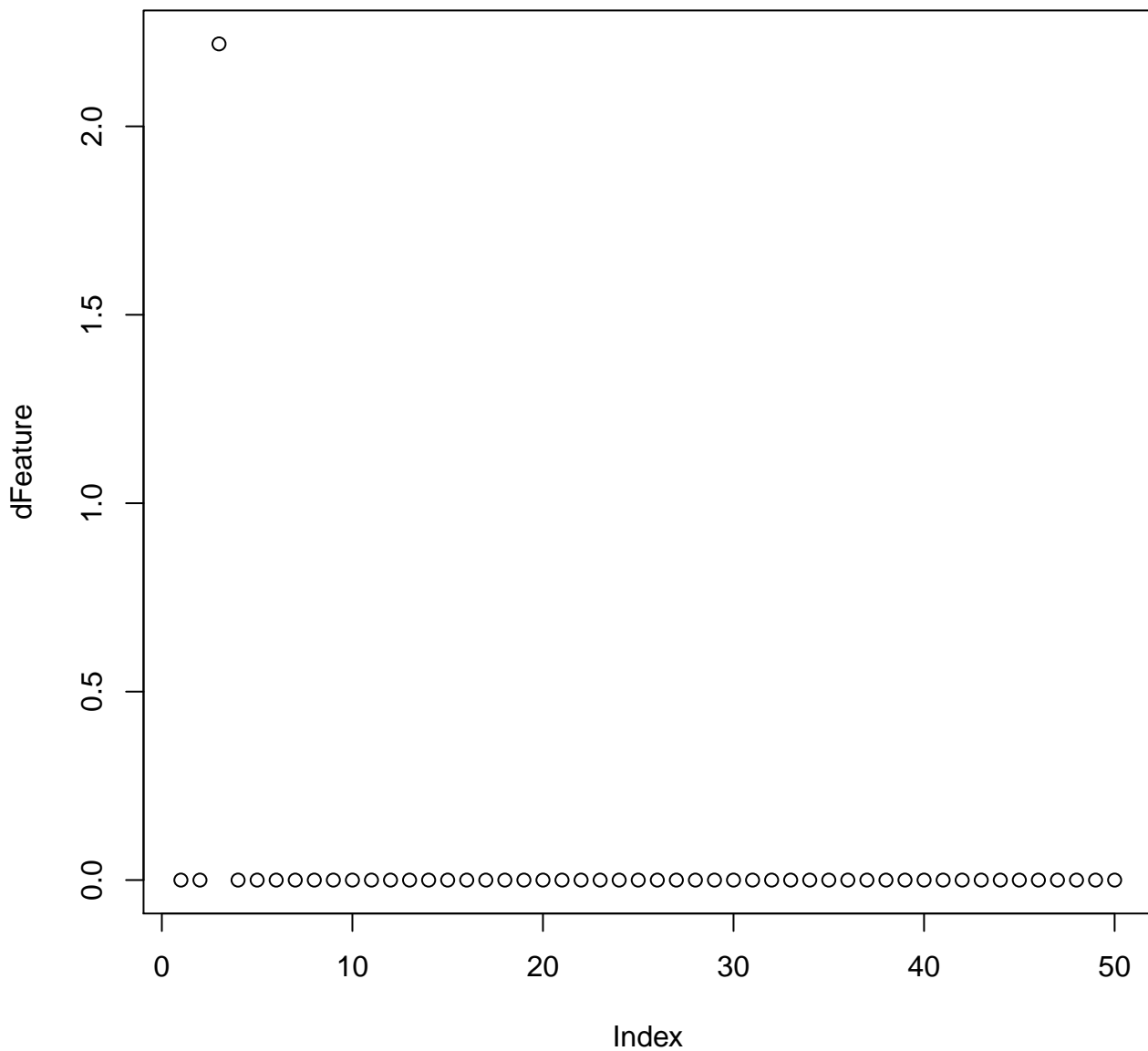
funcMakeFeature Mean (0.12) 0.02 SD(2.28) NA Exp 0.17



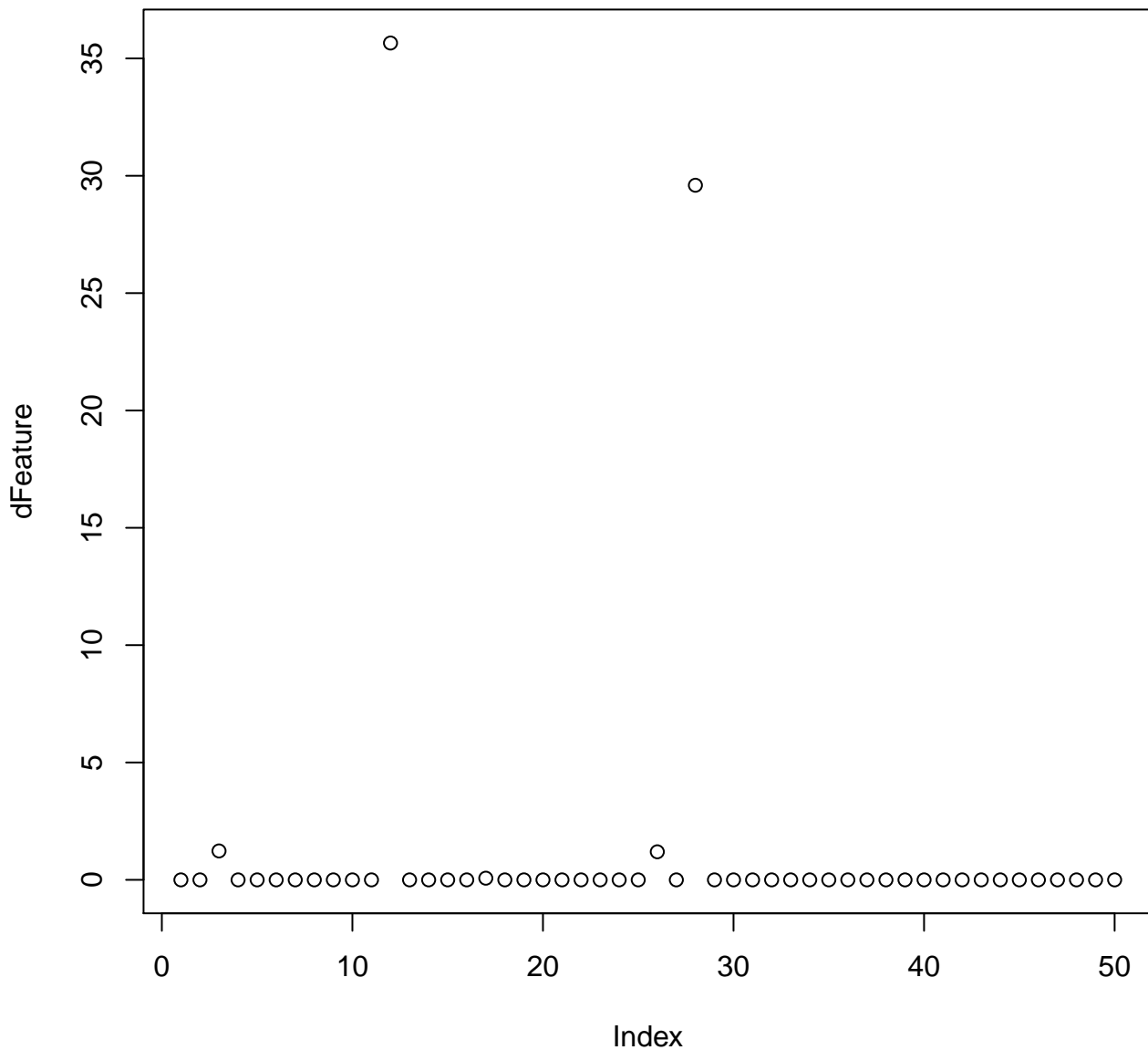
funcMakeFeature Mean (0.17) 0.05 SD(3.49) NA Exp 0.37



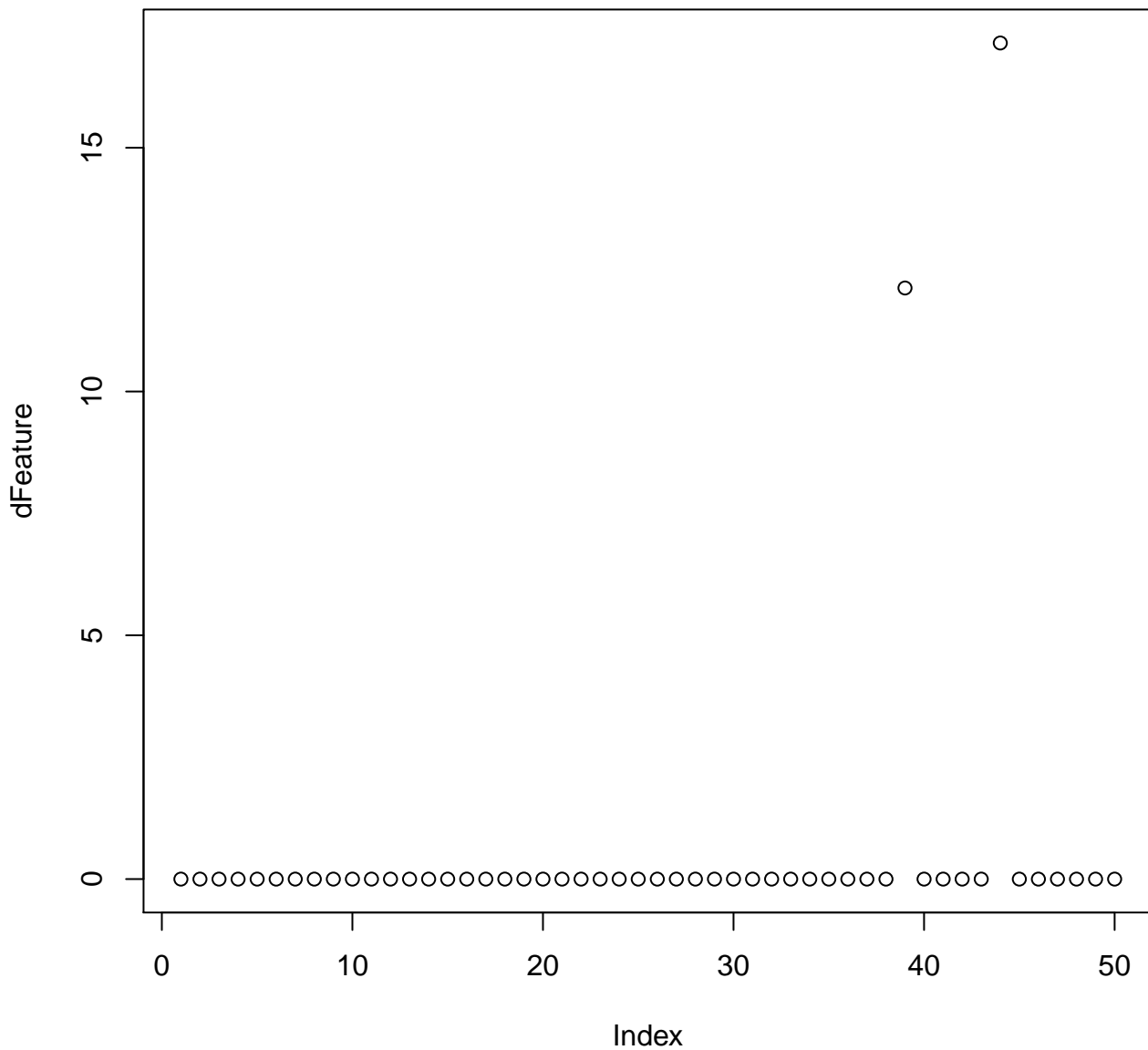
funcMakeFeature Mean (0.18) 0.04 SD(3.59) NA Exp 0.42



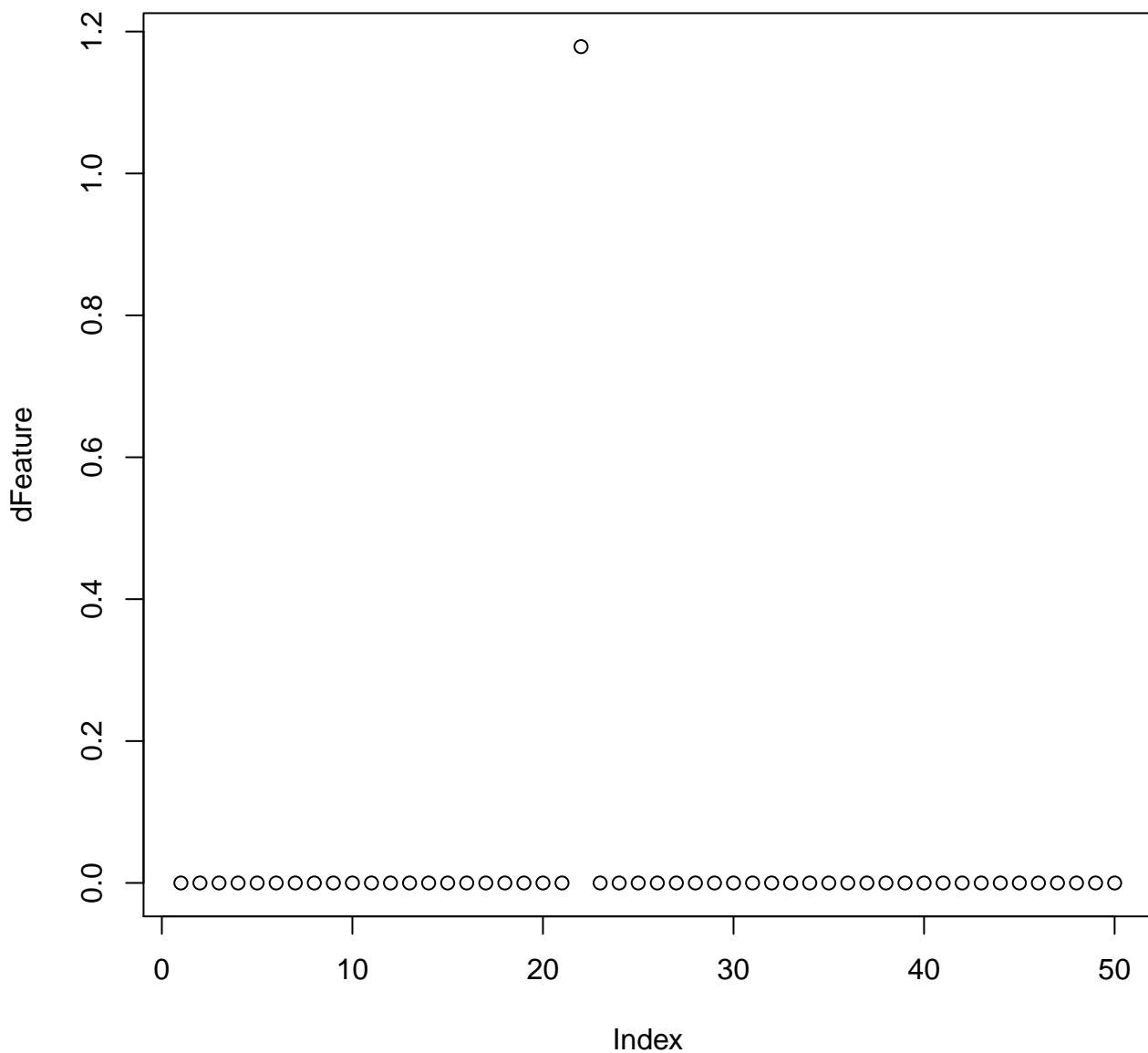
funcMakeFeature Mean (0.79) 1.36 SD(2.8) 2.59 Exp 1.34



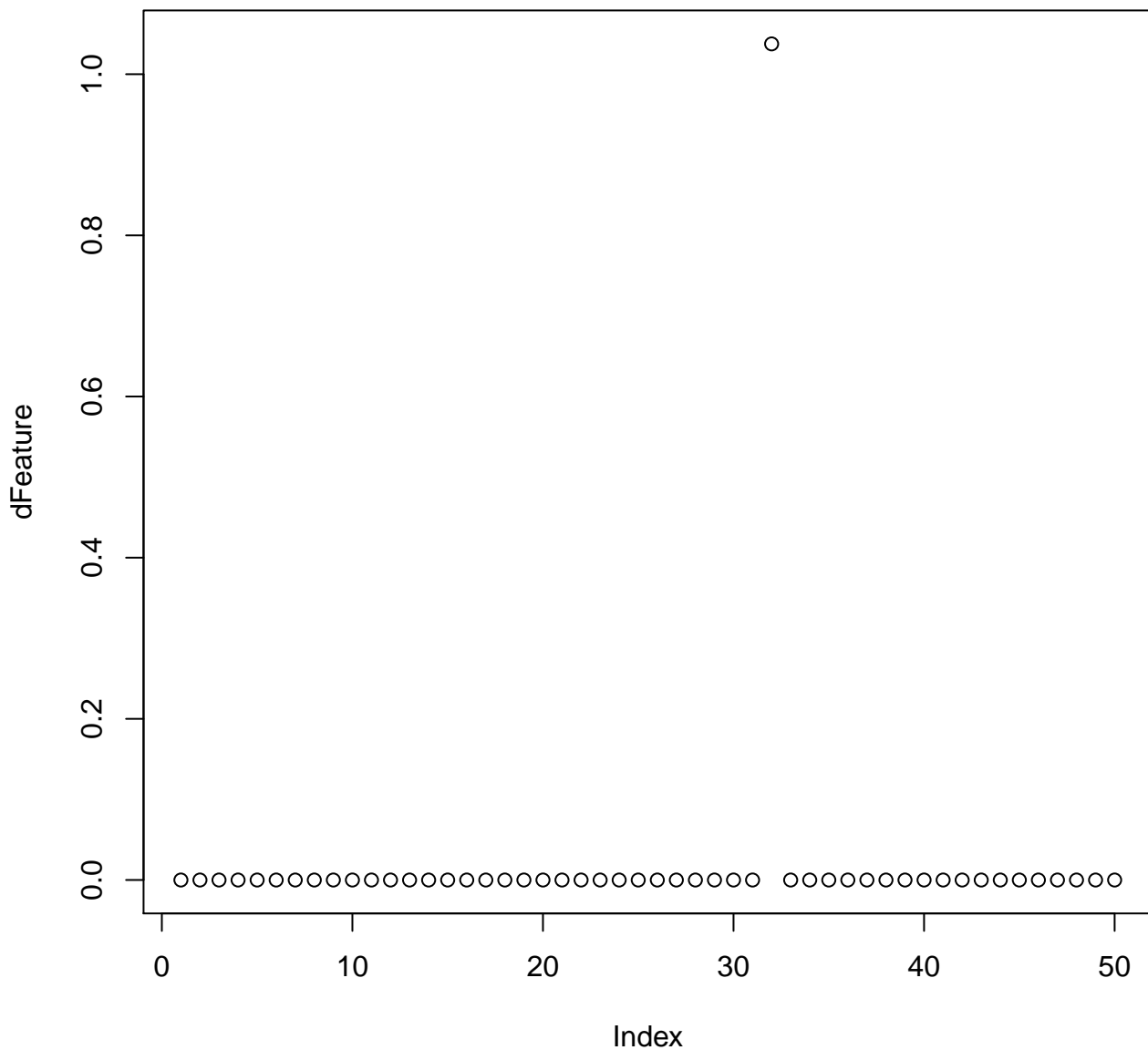
funcMakeFeature Mean (0.29) 0.59 SD(3.24) 0.25 Exp 0.58



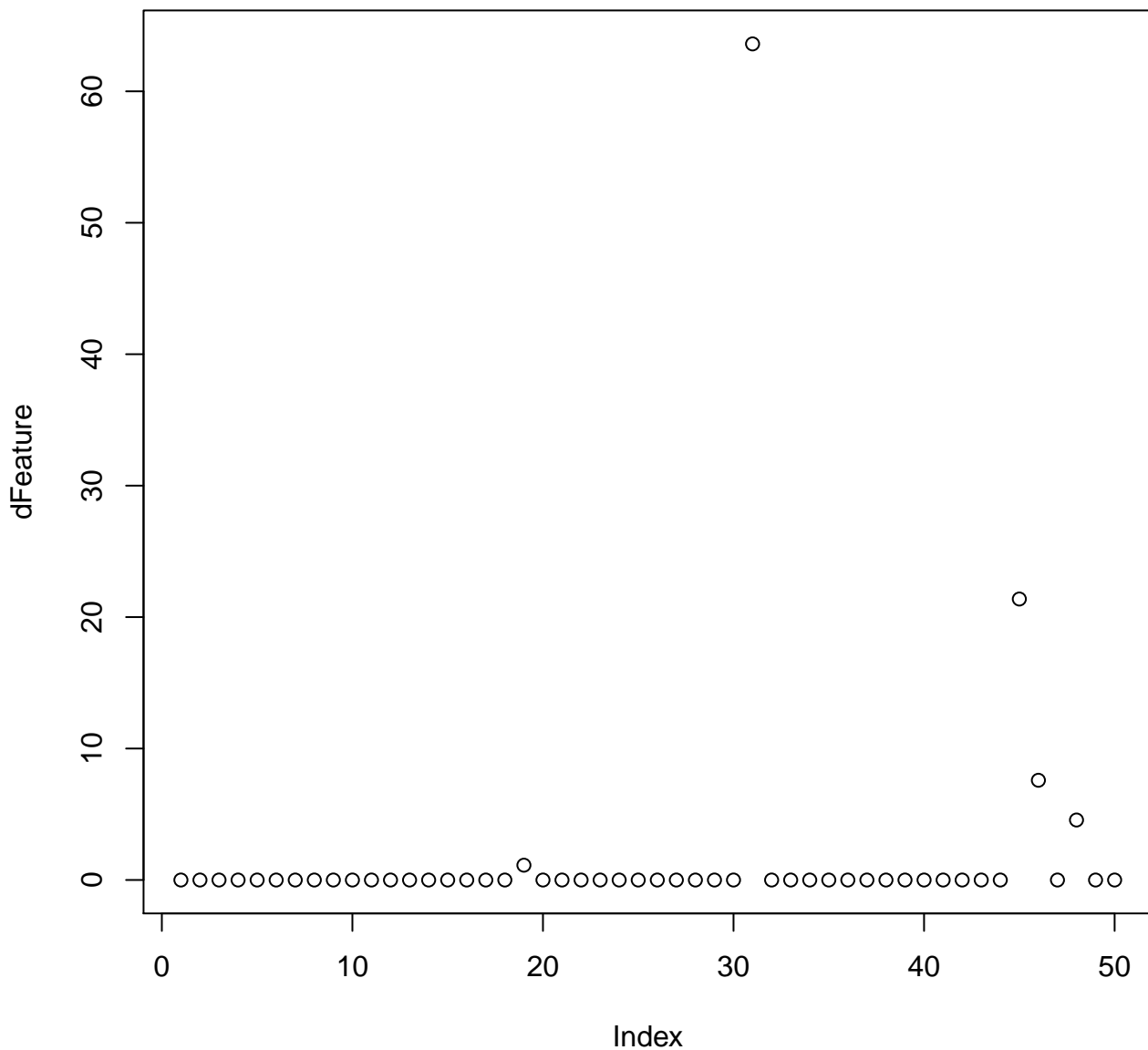
funcMakeFeature Mean (0.09) 0.02 SD(1.99) NA Exp 0.12



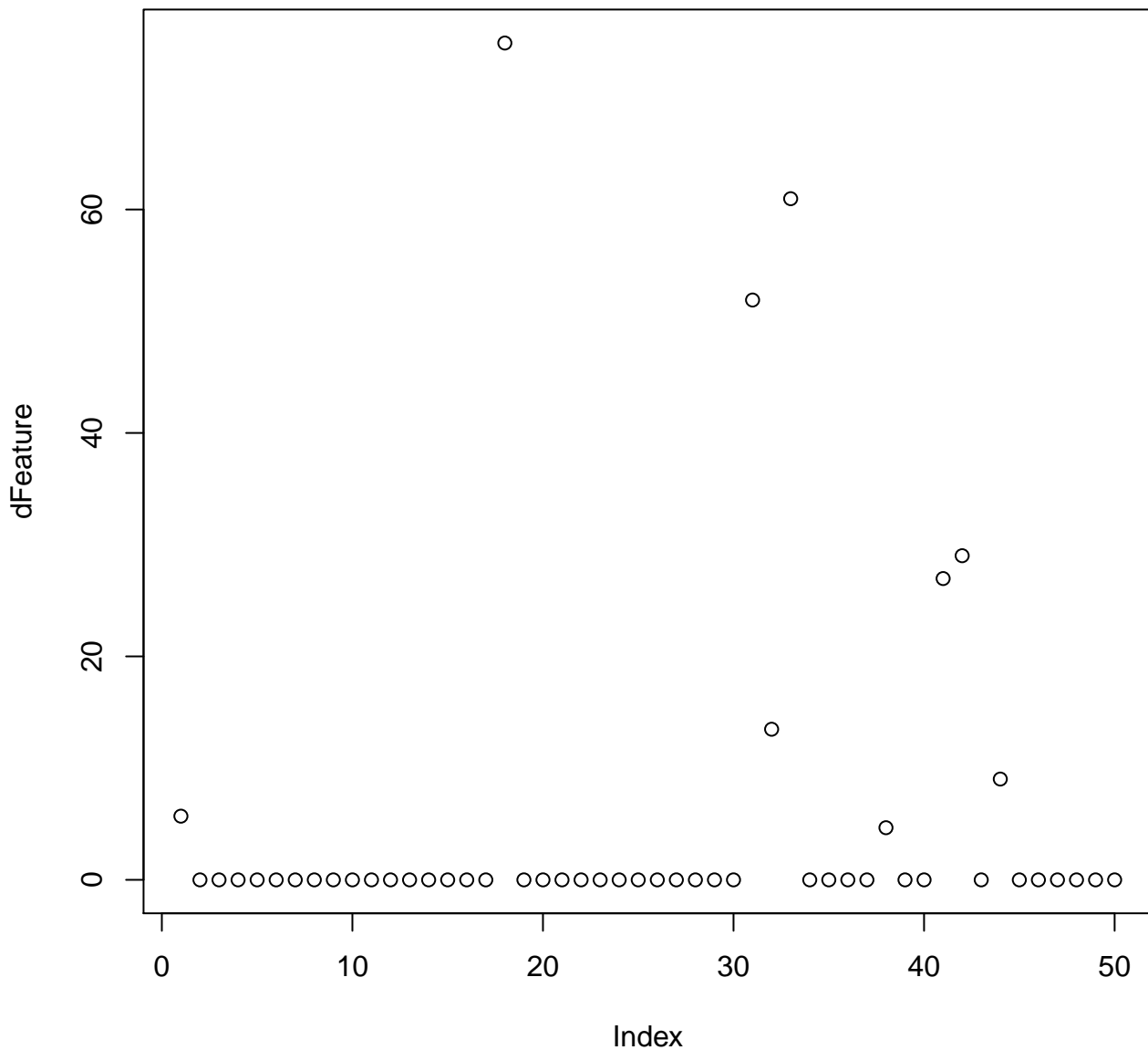
funcMakeFeature Mean (0.06) 0.02 SD(3.4) NA Exp 0.14



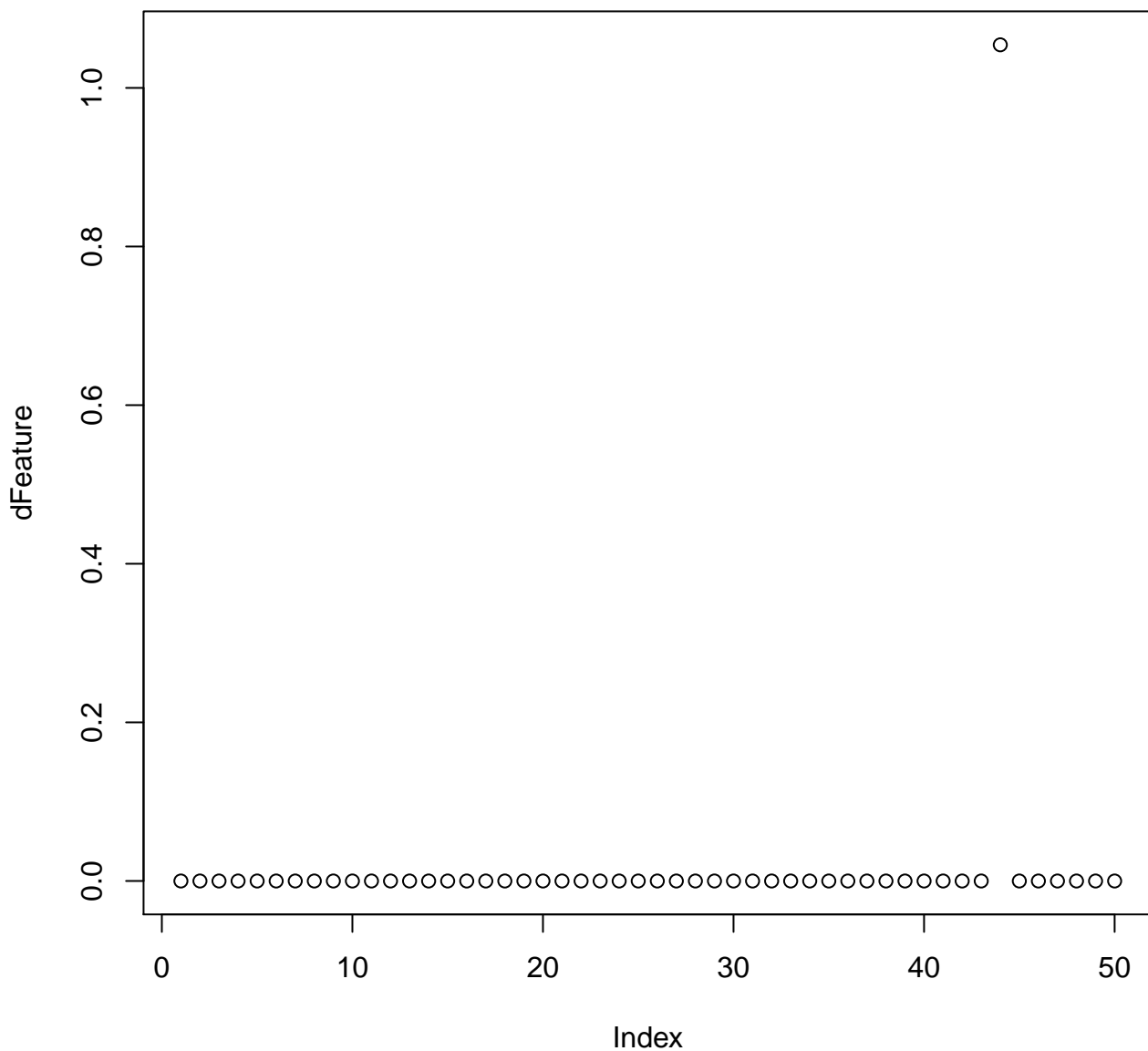
funcMakeFeature Mean (0.64) 1.97 SD(4.46) 1.53 Exp 1.95



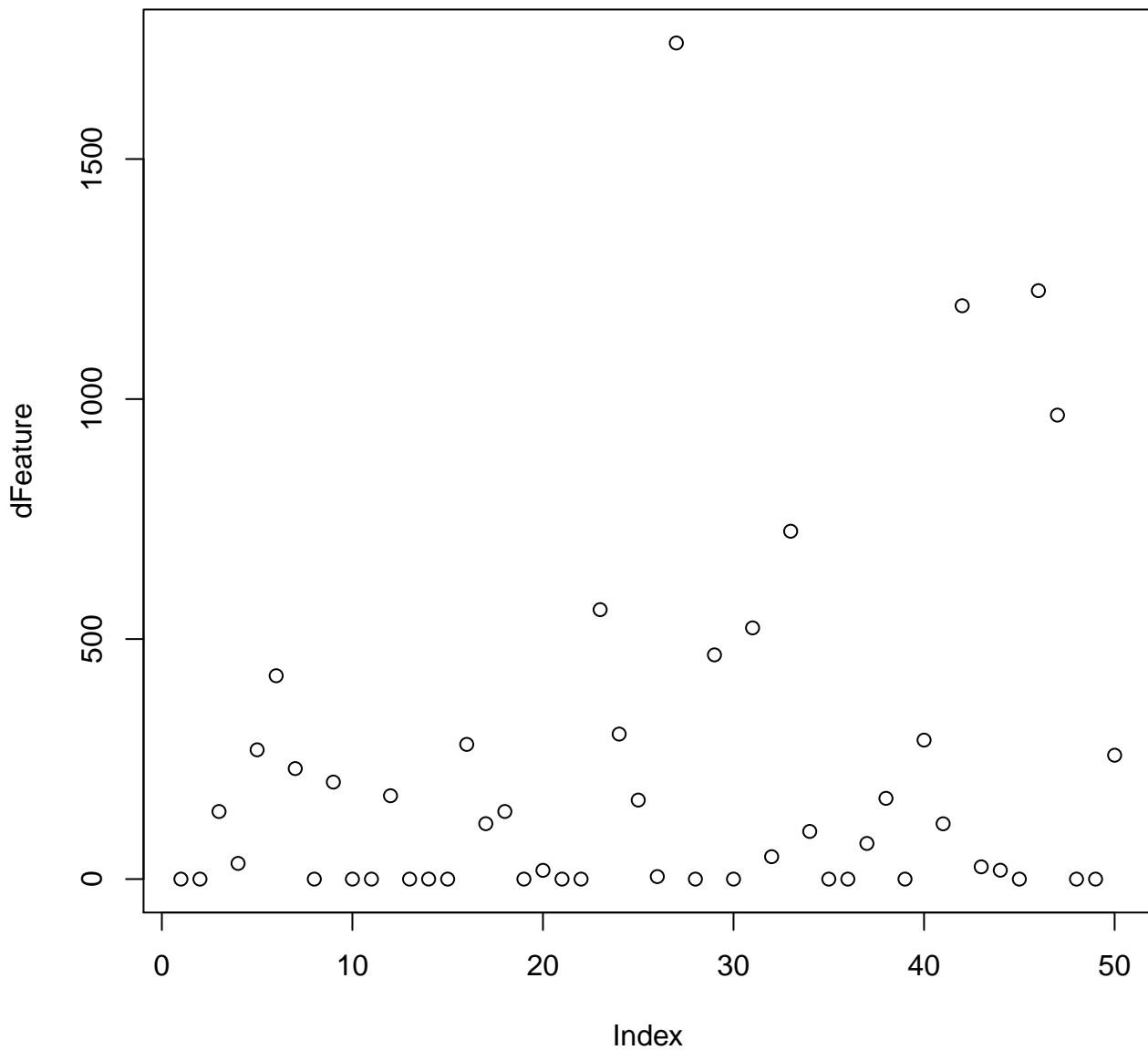
funcMakeFeature Mean (2.59) 5.53 SD(3.42) 1.04 Exp 5.52



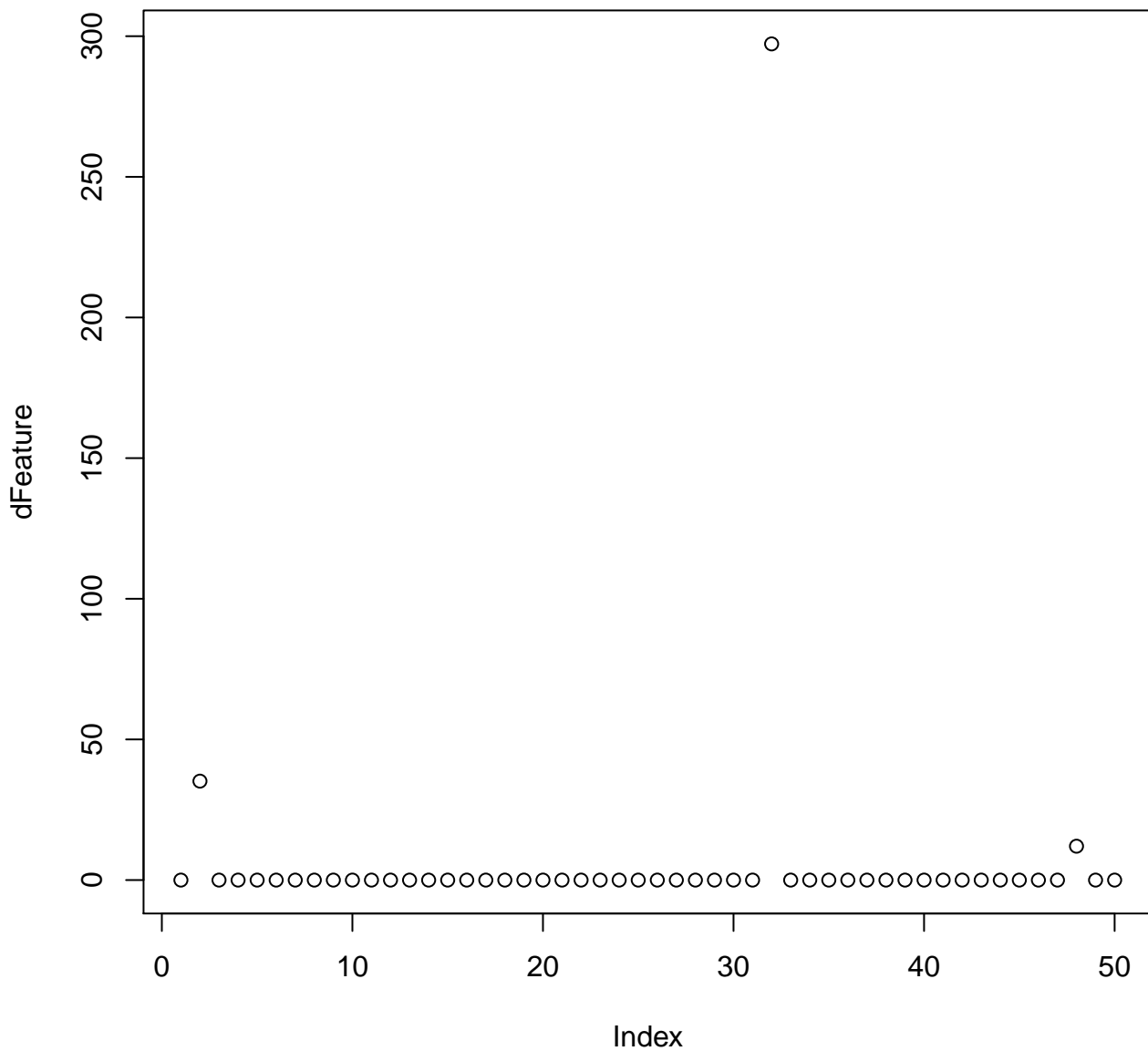
funcMakeFeature Mean (0.07) 0.02 SD(1.52) NA Exp 0.08



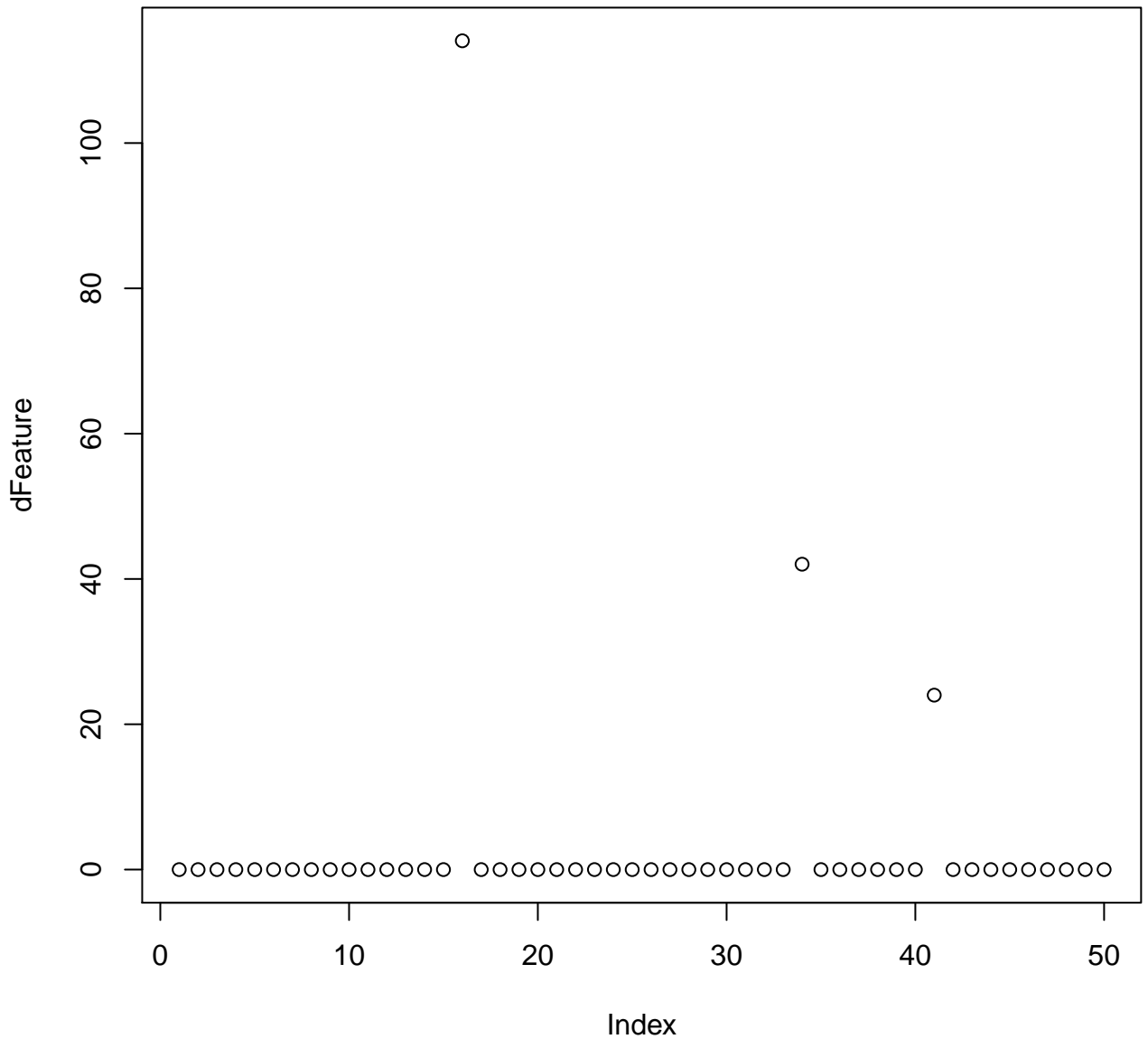
funcMakeFeature Mean (17.47) 220 SD(9.5) 1.95 Exp 219.98



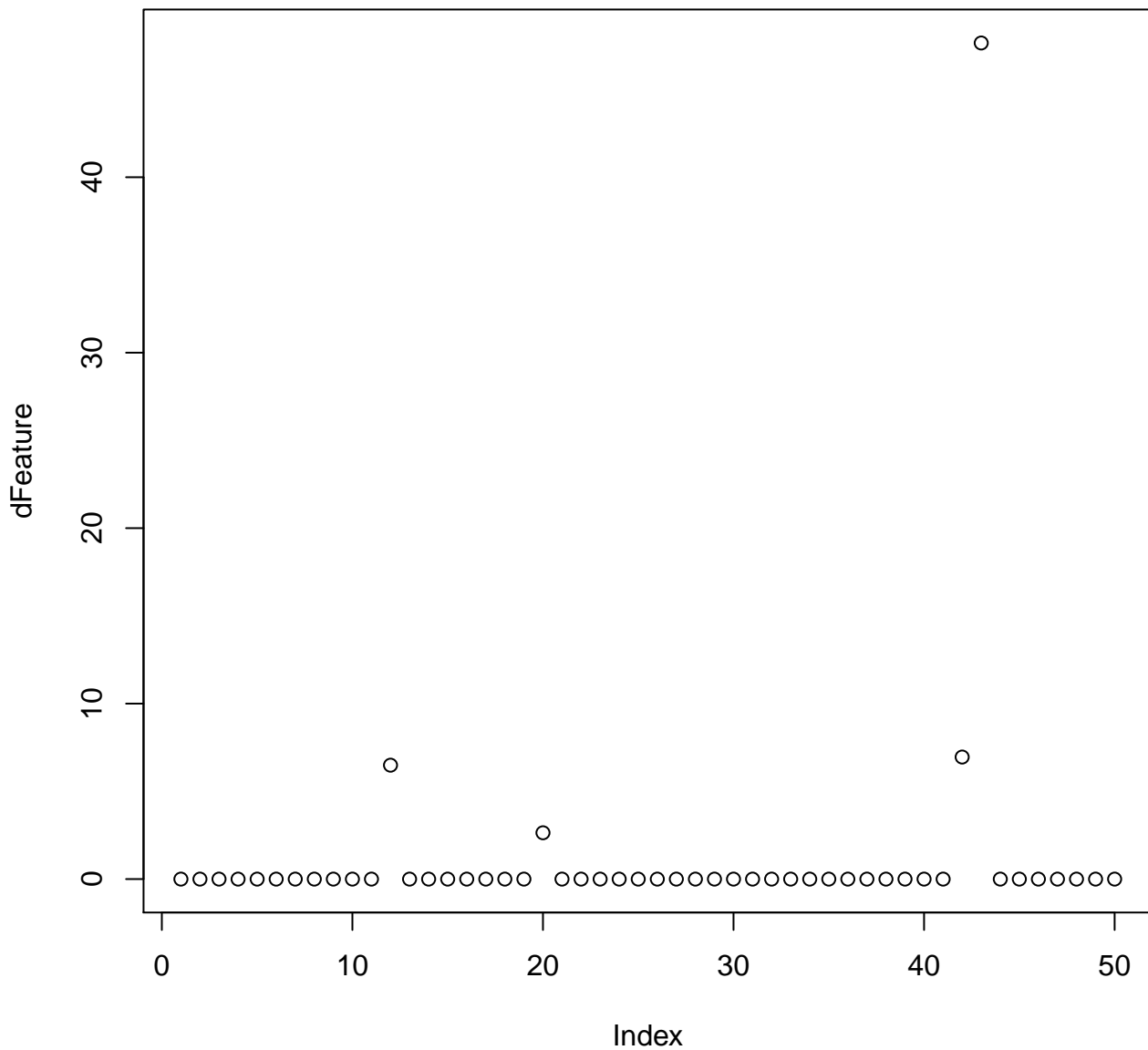
funcMakeFeature Mean (0.56) 6.89 SD(9.41) 1.63 Exp 6.88



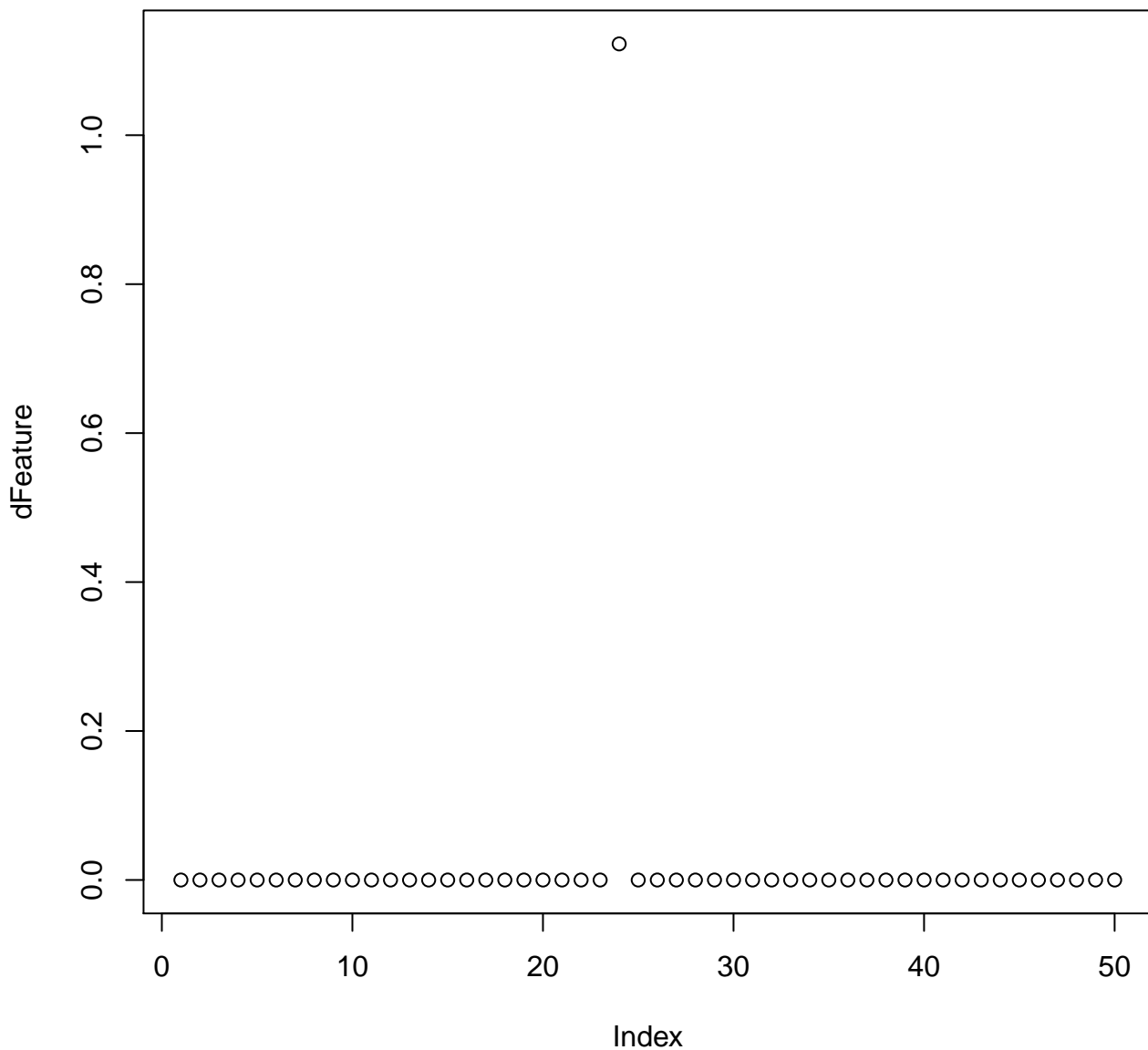
funcMakeFeature Mean (0.6) 3.6 SD(6.62) 0.79 Exp 3.59



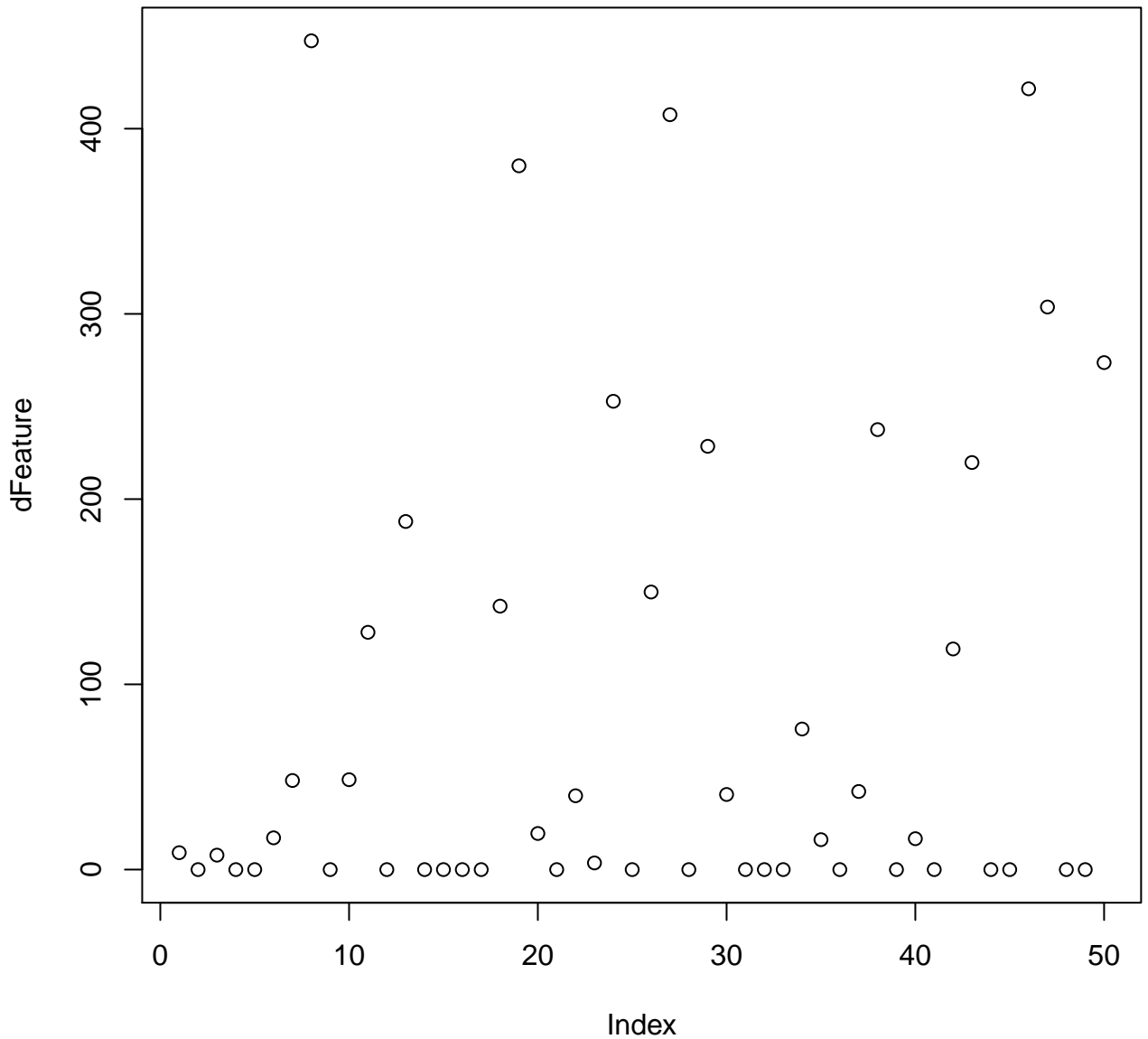
funcMakeFeature Mean (0.46) 1.27 SD(4.14) 1.22 Exp 1.26



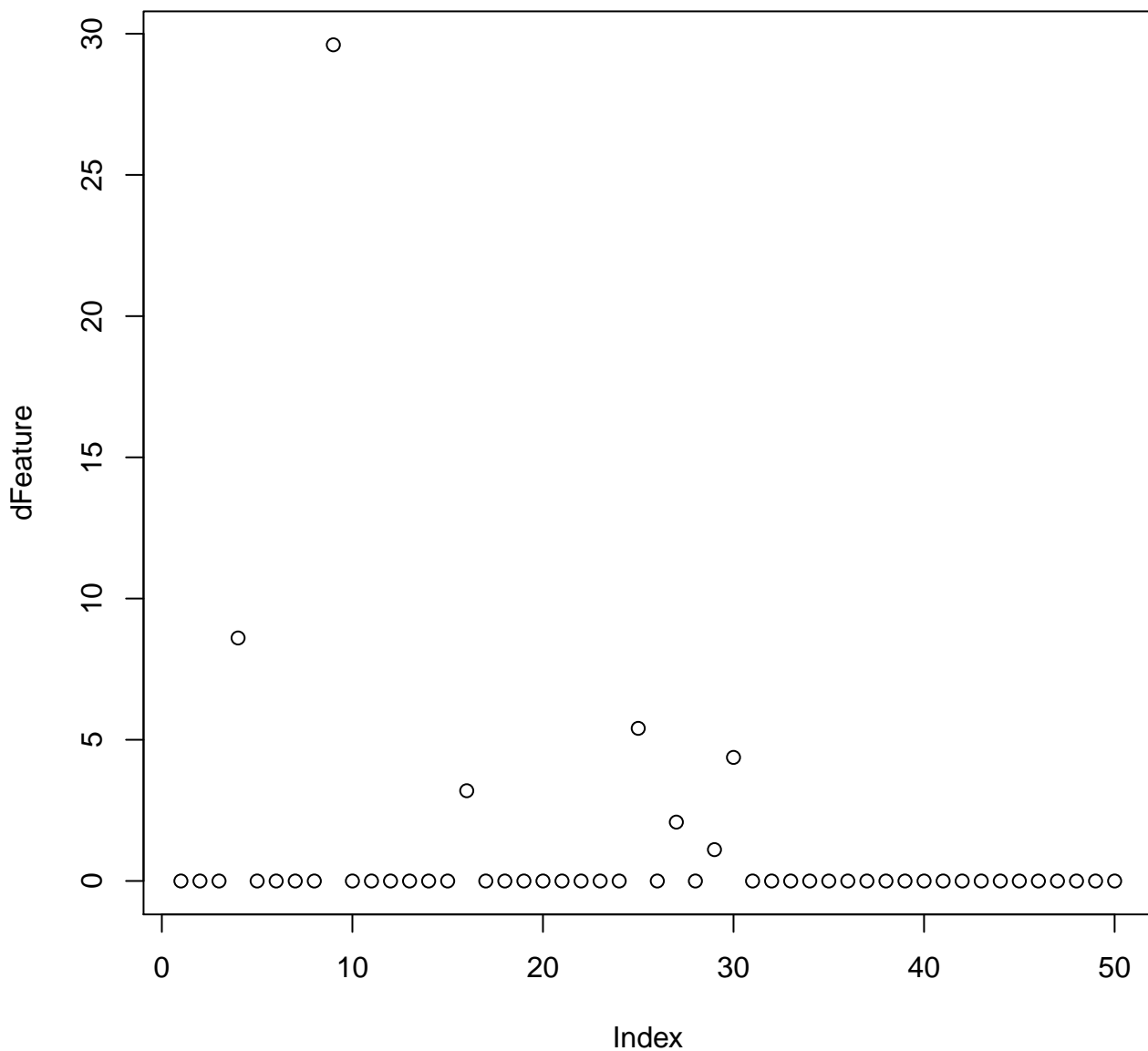
funcMakeFeature Mean (0.08) 0.02 SD(2.29) NA Exp 0.12



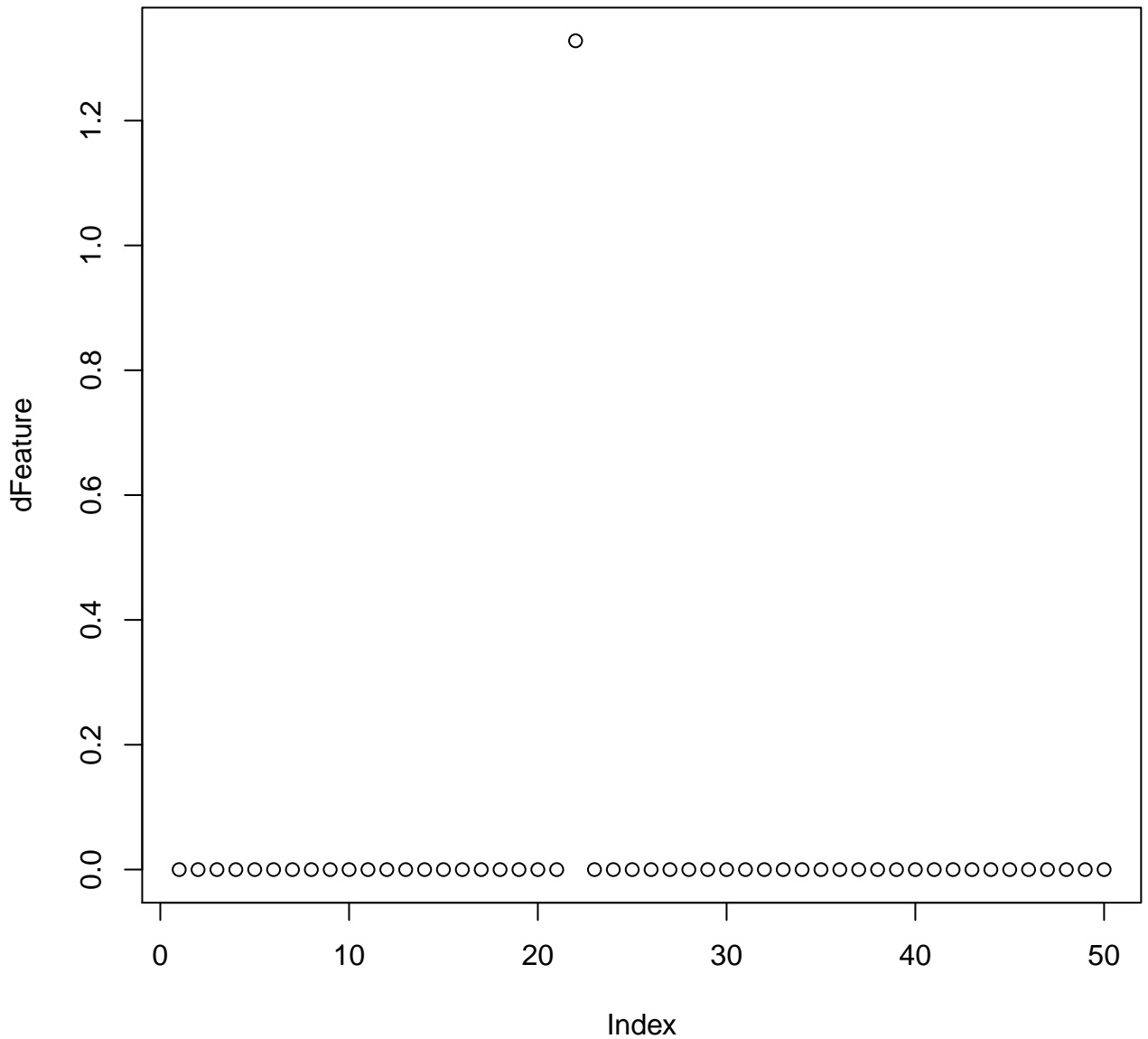
funcMakeFeature Mean (16.07) 85.7 SD(6.23) 1.38 Exp 85.68



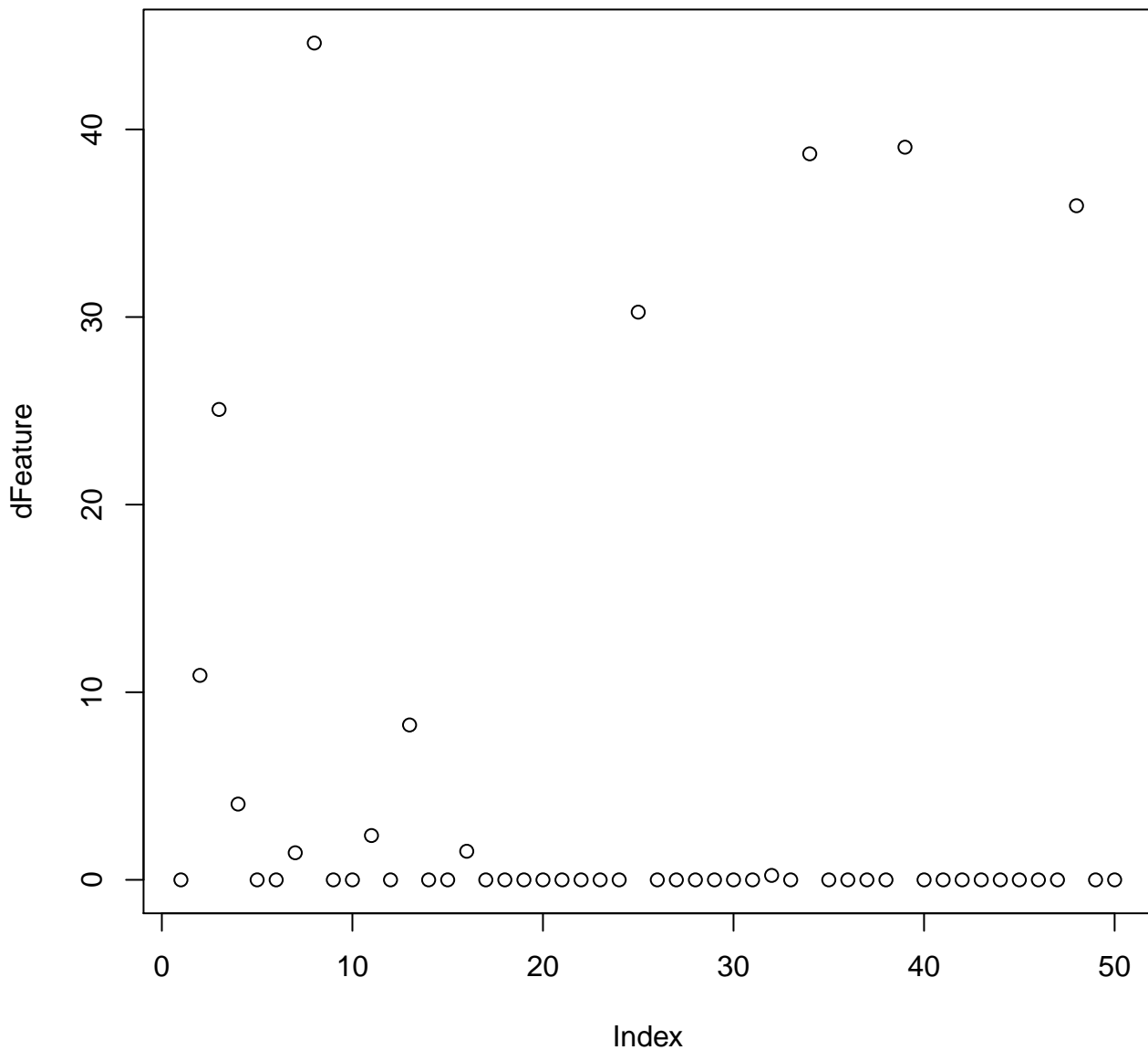
funcMakeFeature Mean (0.55) 1.09 SD(3.2) 1.05 Exp 1.08



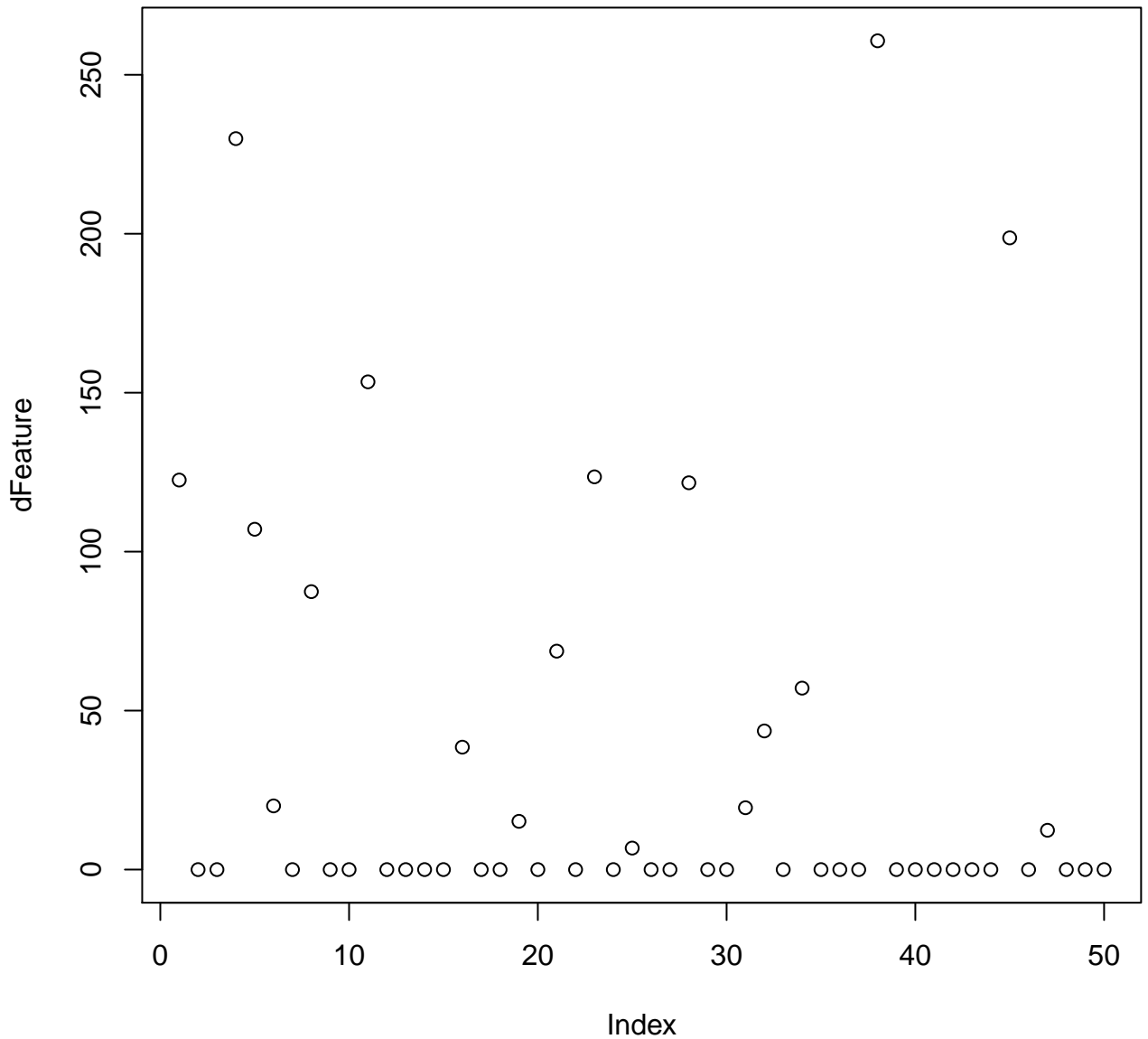
funcMakeFeature Mean (0.3) 0.03 SD(9.25) NA Exp 3.53



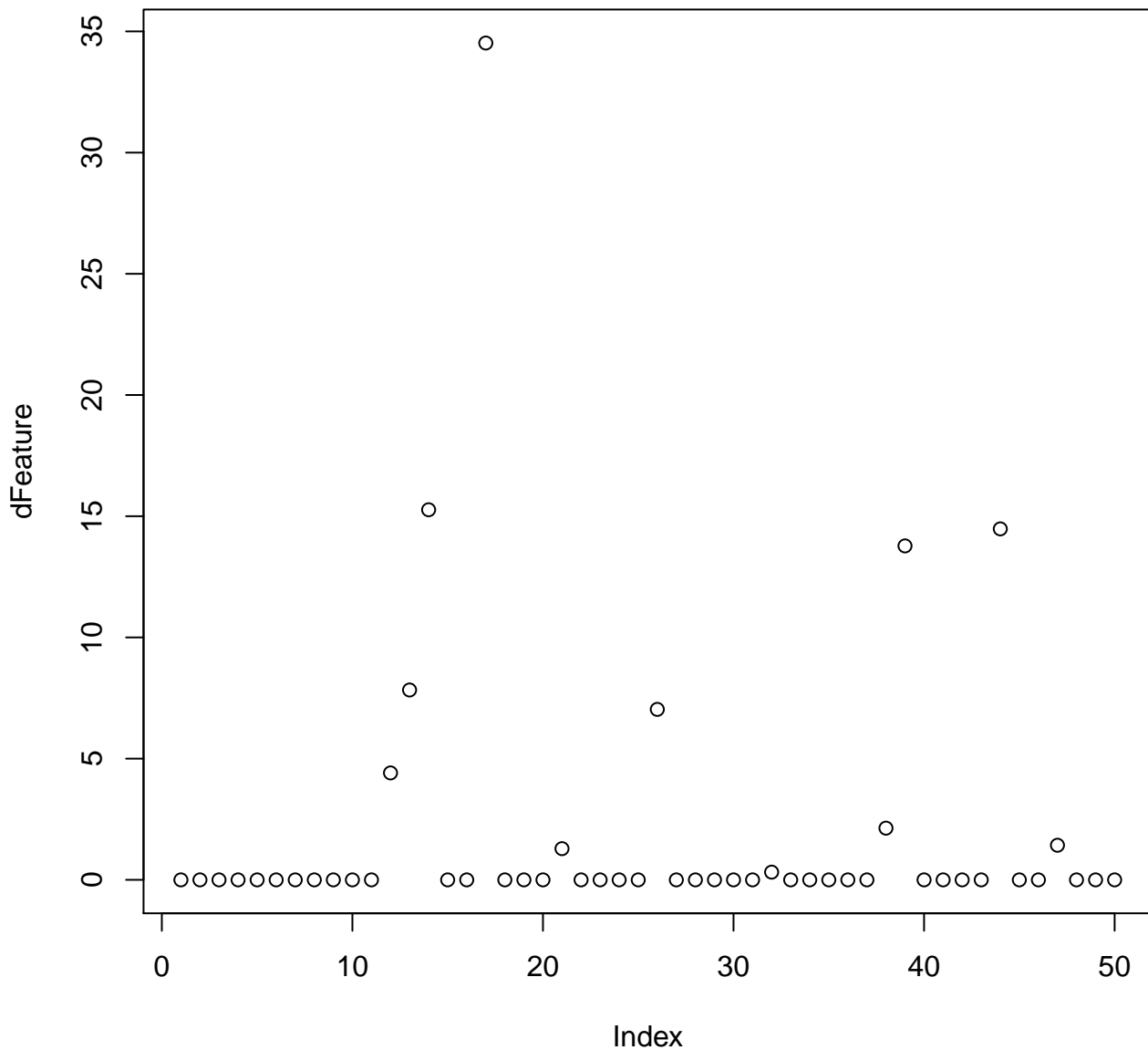
funcMakeFeature Mean (2.15) 4.85 SD(3.57) 1.67 Exp 4.84



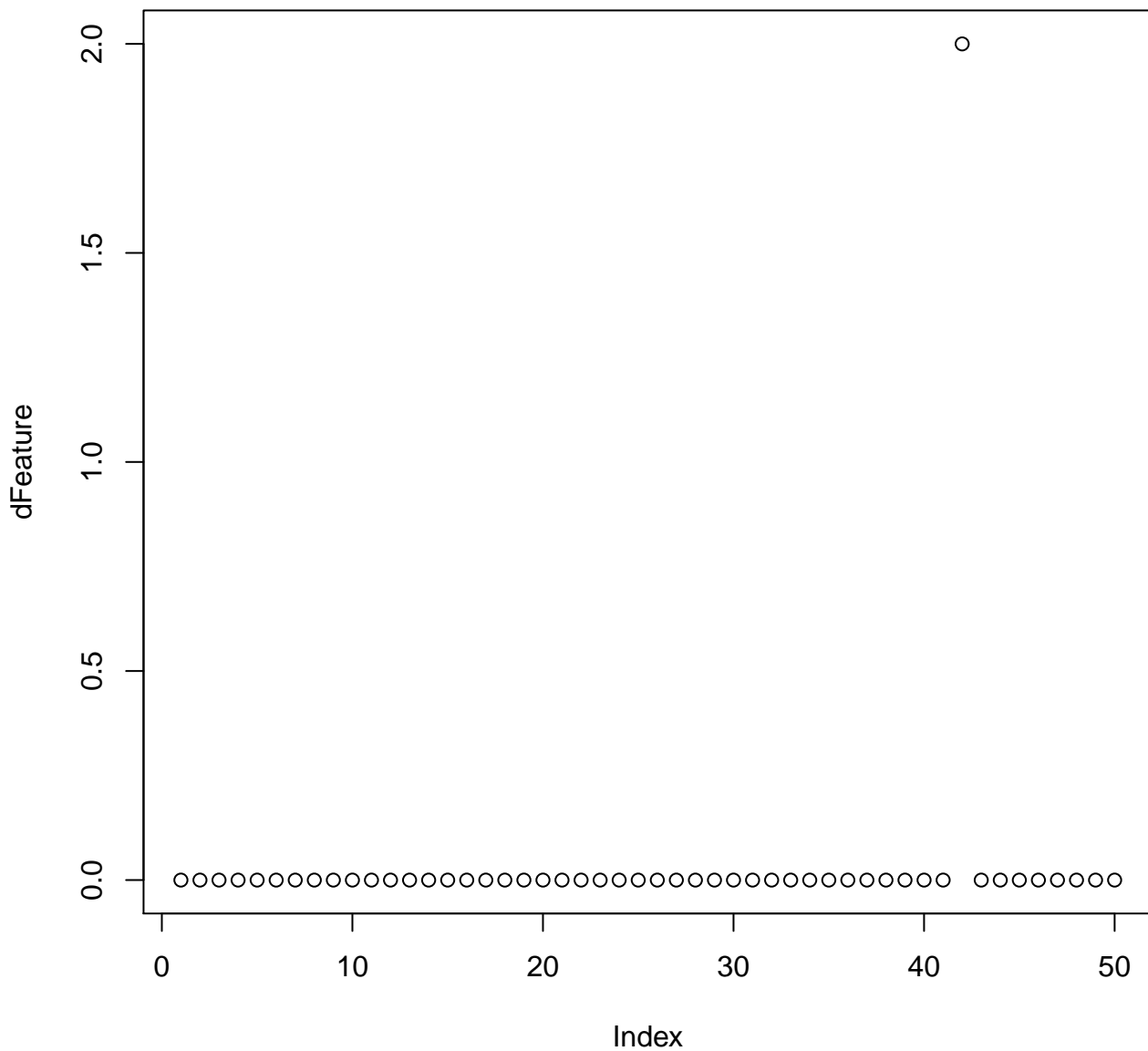
funcMakeFeature Mean (8.75) 33.73 SD(5.17) 1.09 Exp 33.73



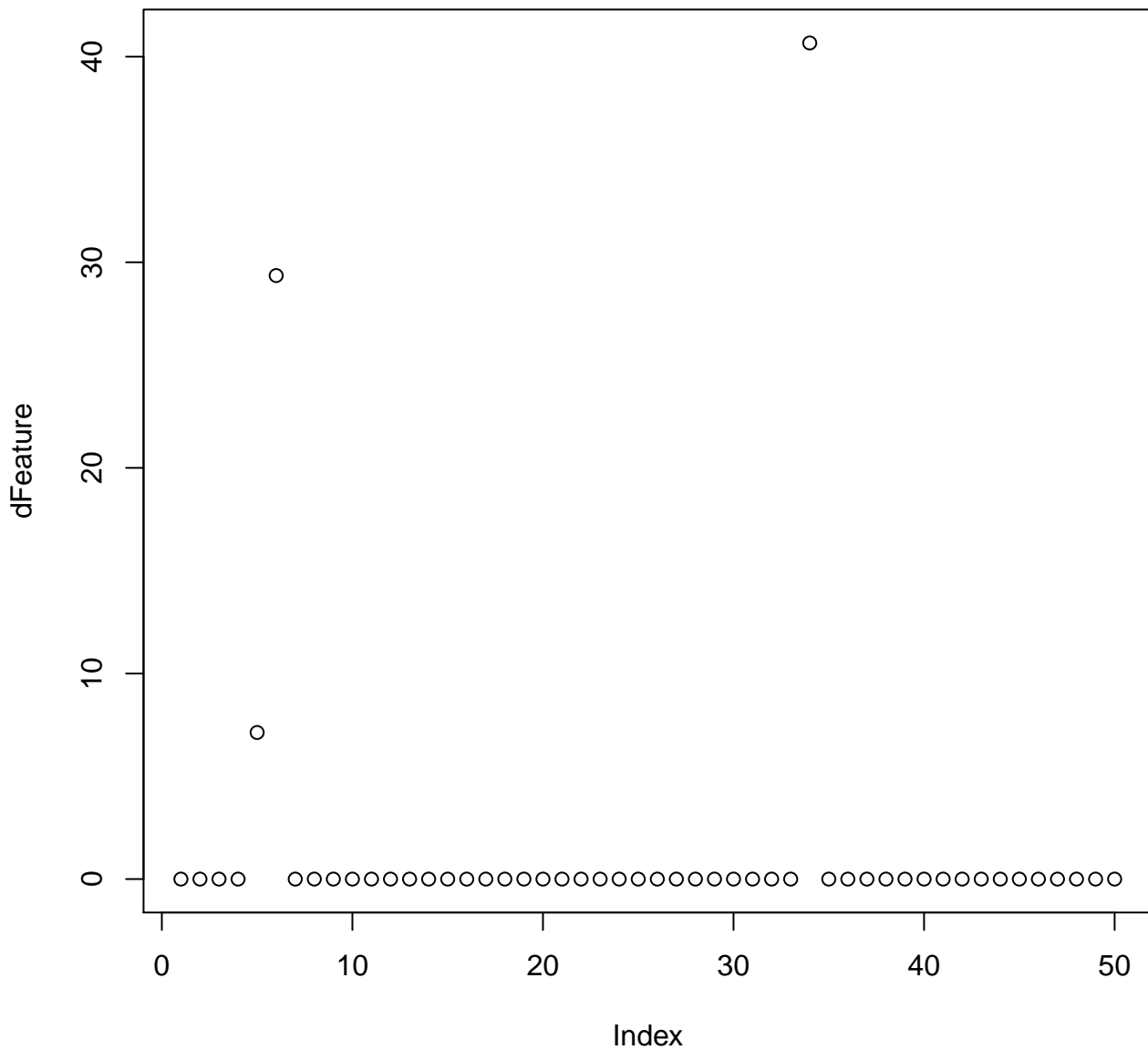
funcMakeFeature Mean (0.98) 2.05 SD(3.34) 1.38 Exp 2.04



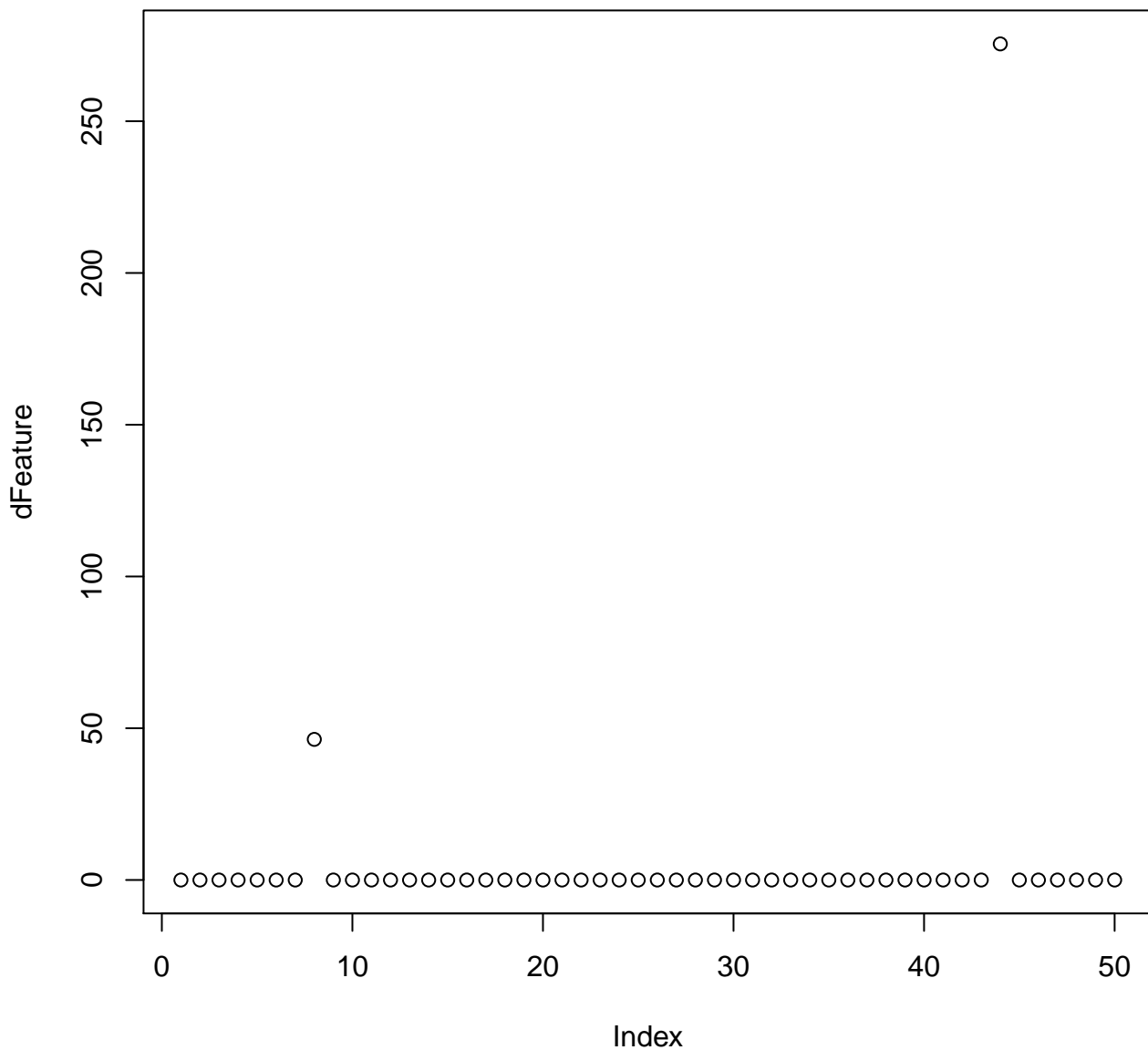
funcMakeFeature Mean (0.05) 0.04 SD(1.34) NA Exp 0.05



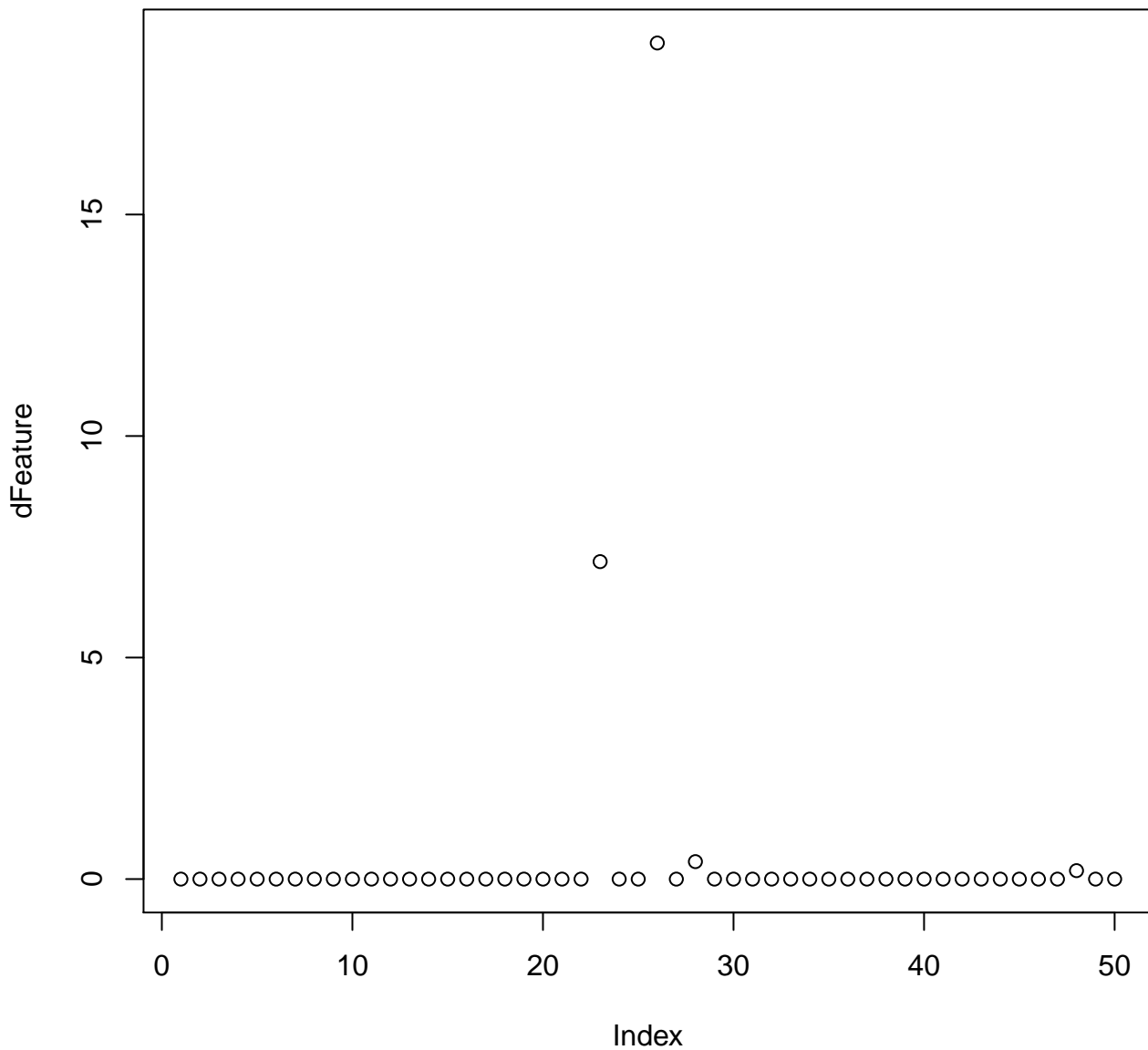
funcMakeFeature Mean (0.35) 1.54 SD(5.56) 0.93 Exp 1.53



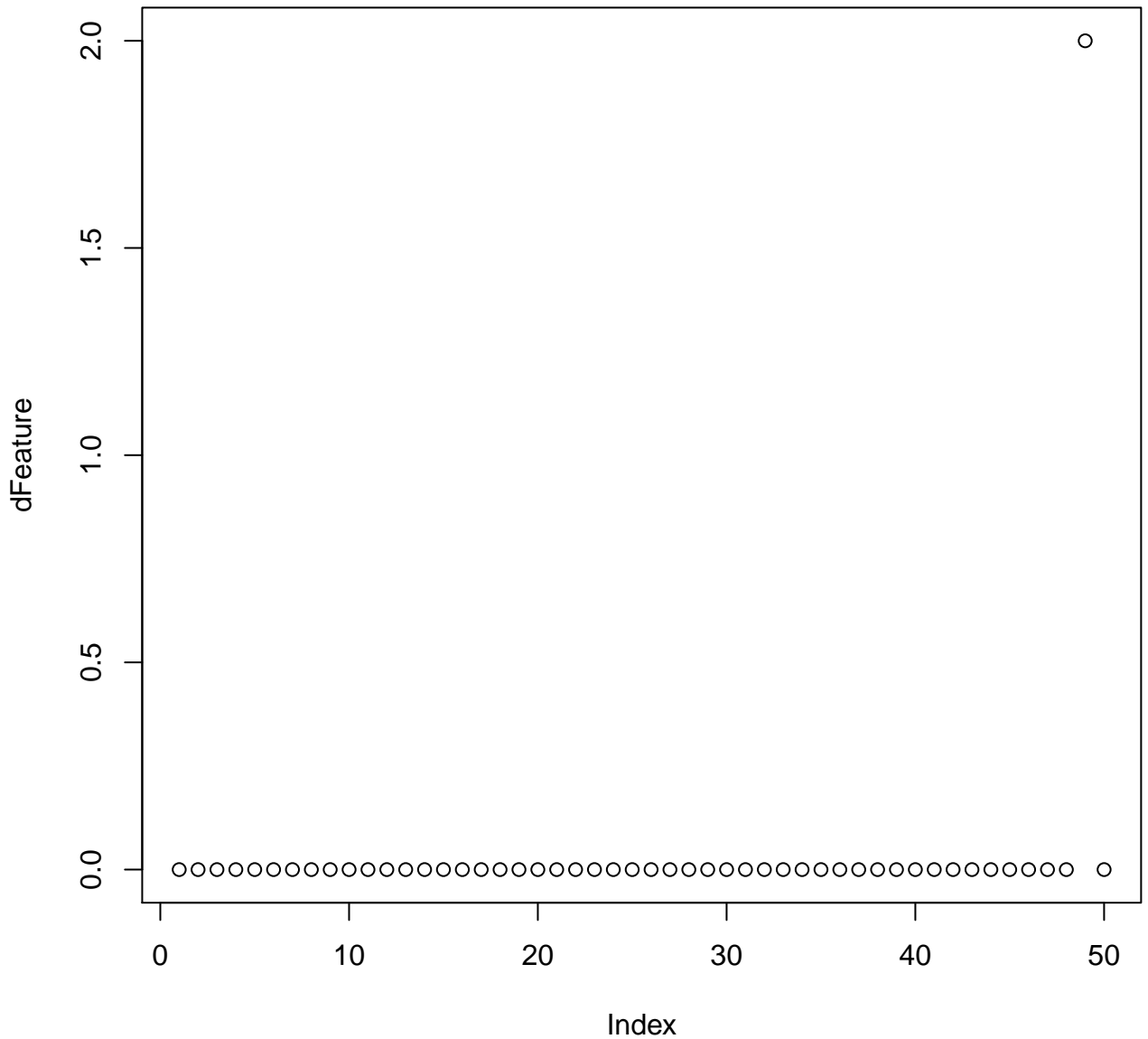
funcMakeFeature Mean (1.72) 6.44 SD(5.07) 1.26 Exp 6.43



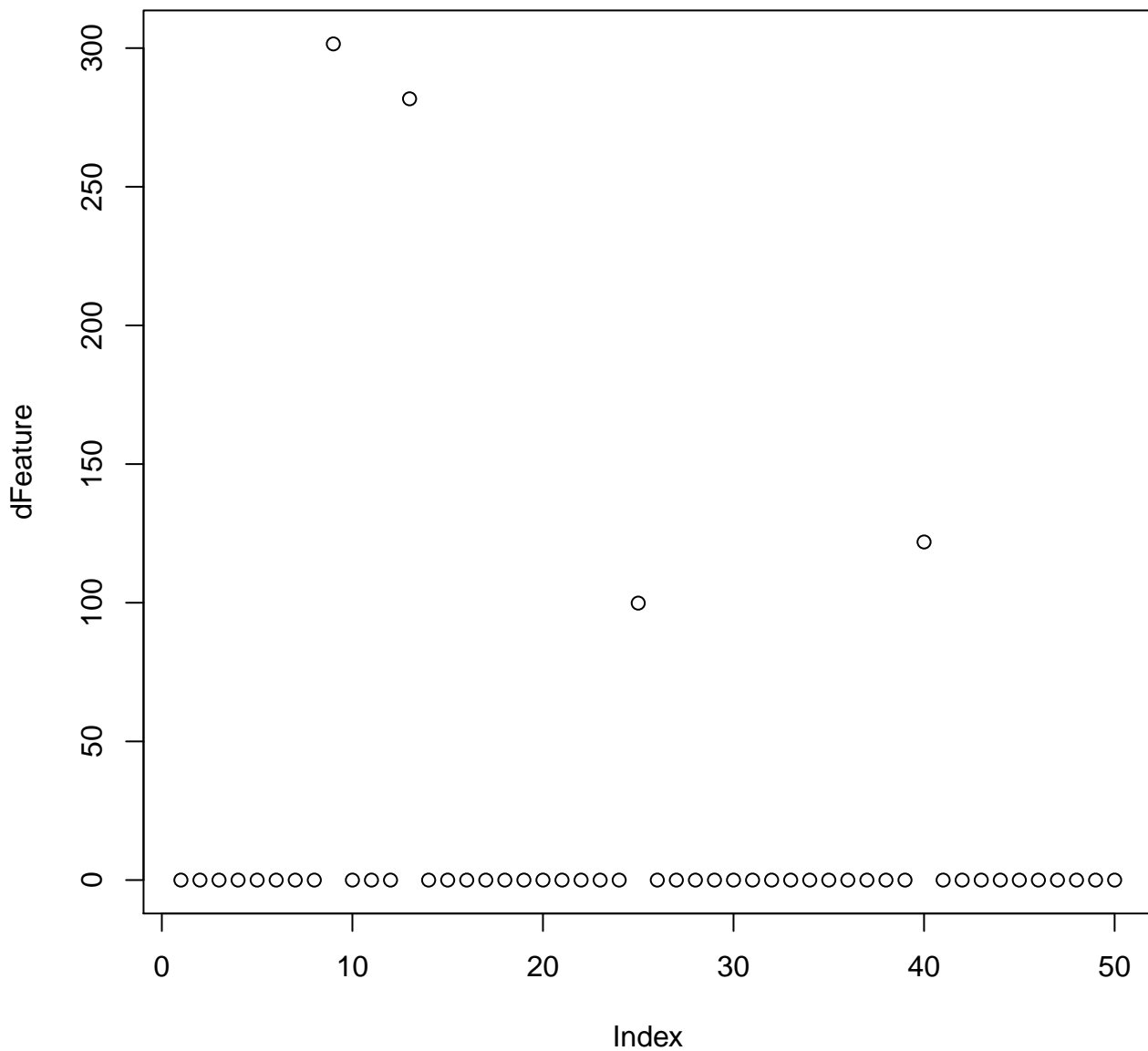
funcMakeFeature Mean (0.26) 0.53 SD(3.22) 2.22 Exp 0.52



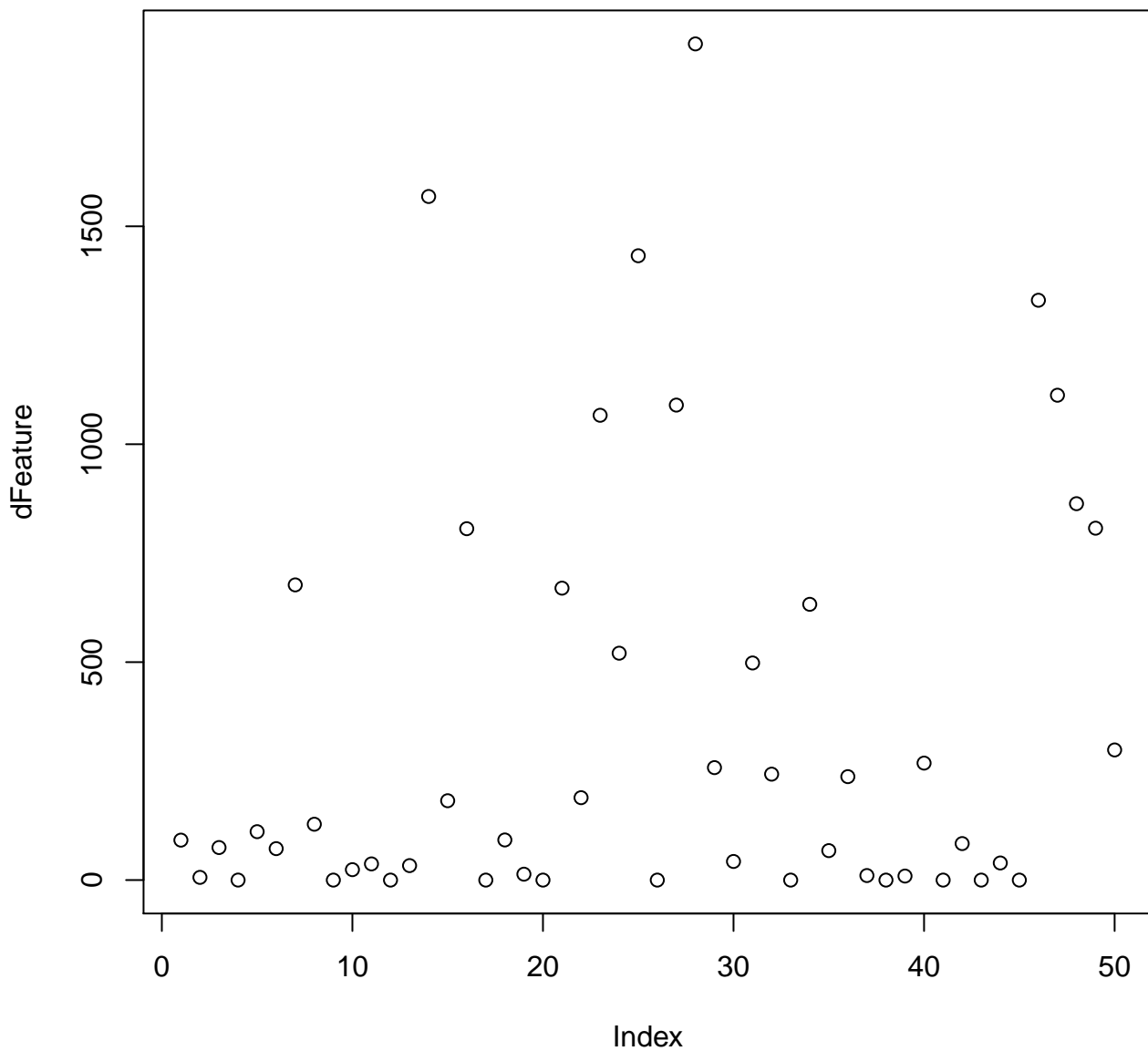
funcMakeFeature Mean (0.1) 0.04 SD(1.86) NA Exp 0.12



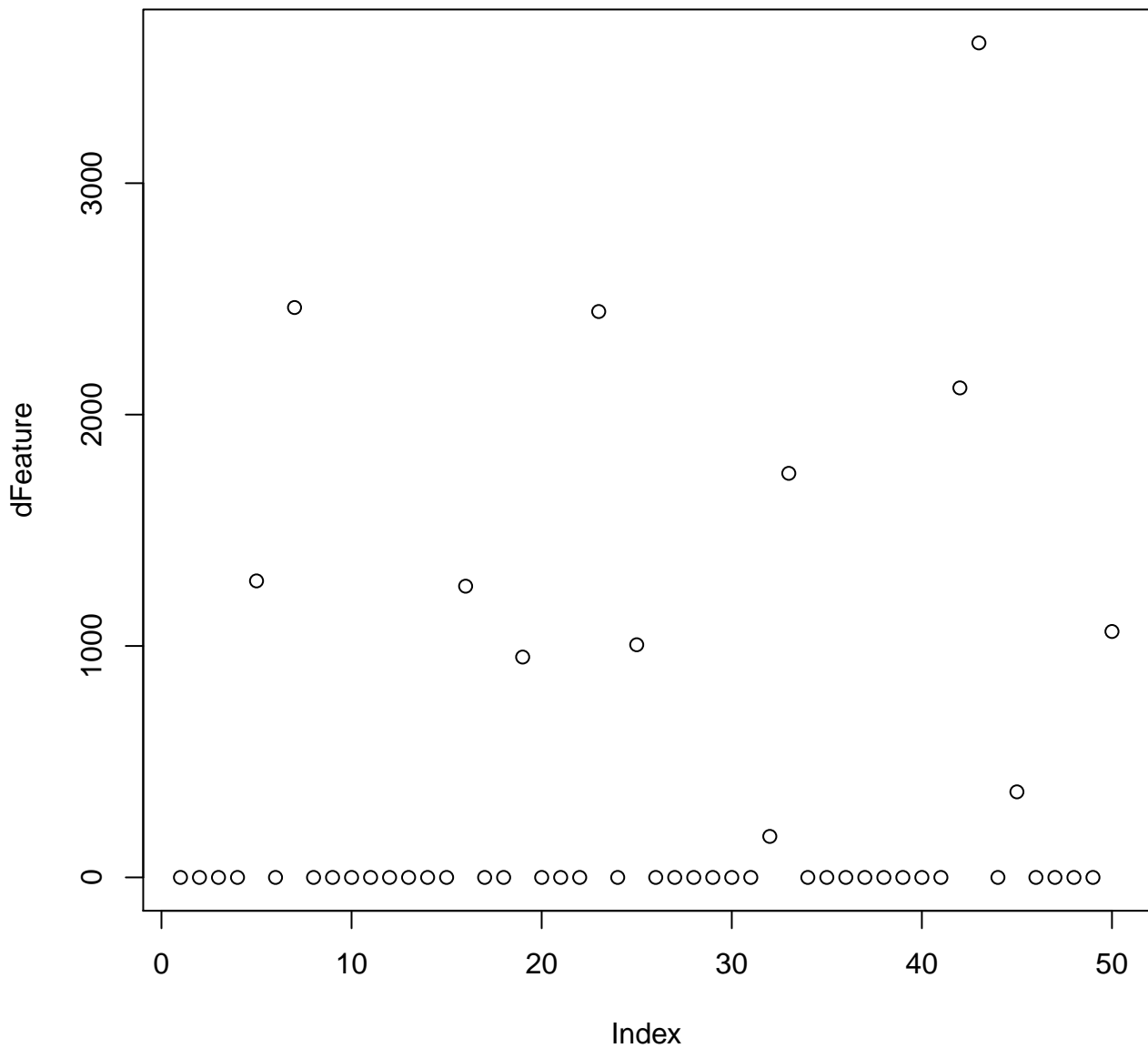
funcMakeFeature Mean (3.47) 16.1 SD(5.76) 0.57 Exp 16.09



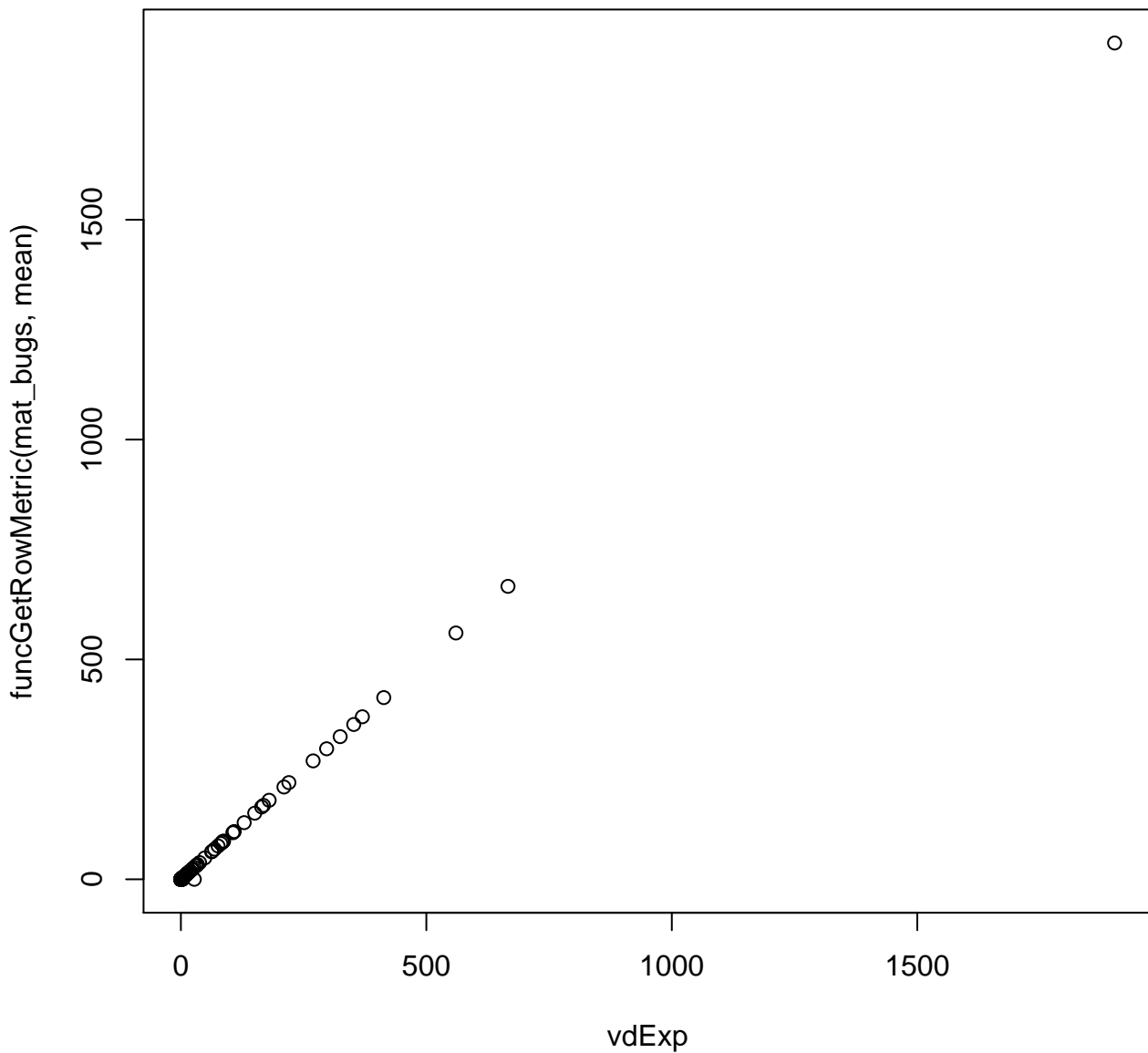
funcMakeFeature Mean (19.36) 352.16 SD(11.12) 2.03 Exp 352.14



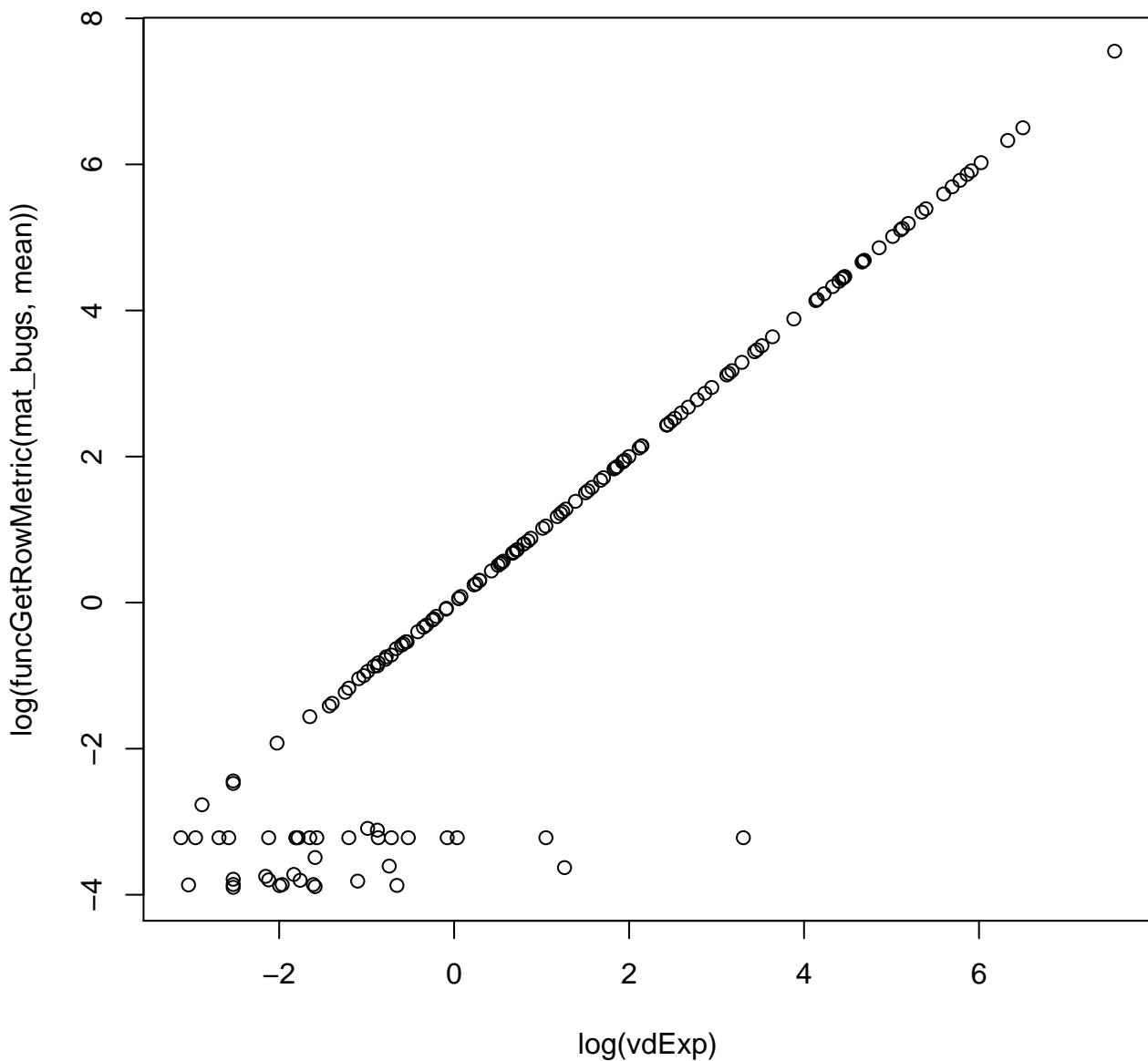
funcMakeFeature Mean (129.06) 369.68 SD(4.27) 0.84 Exp 369.67



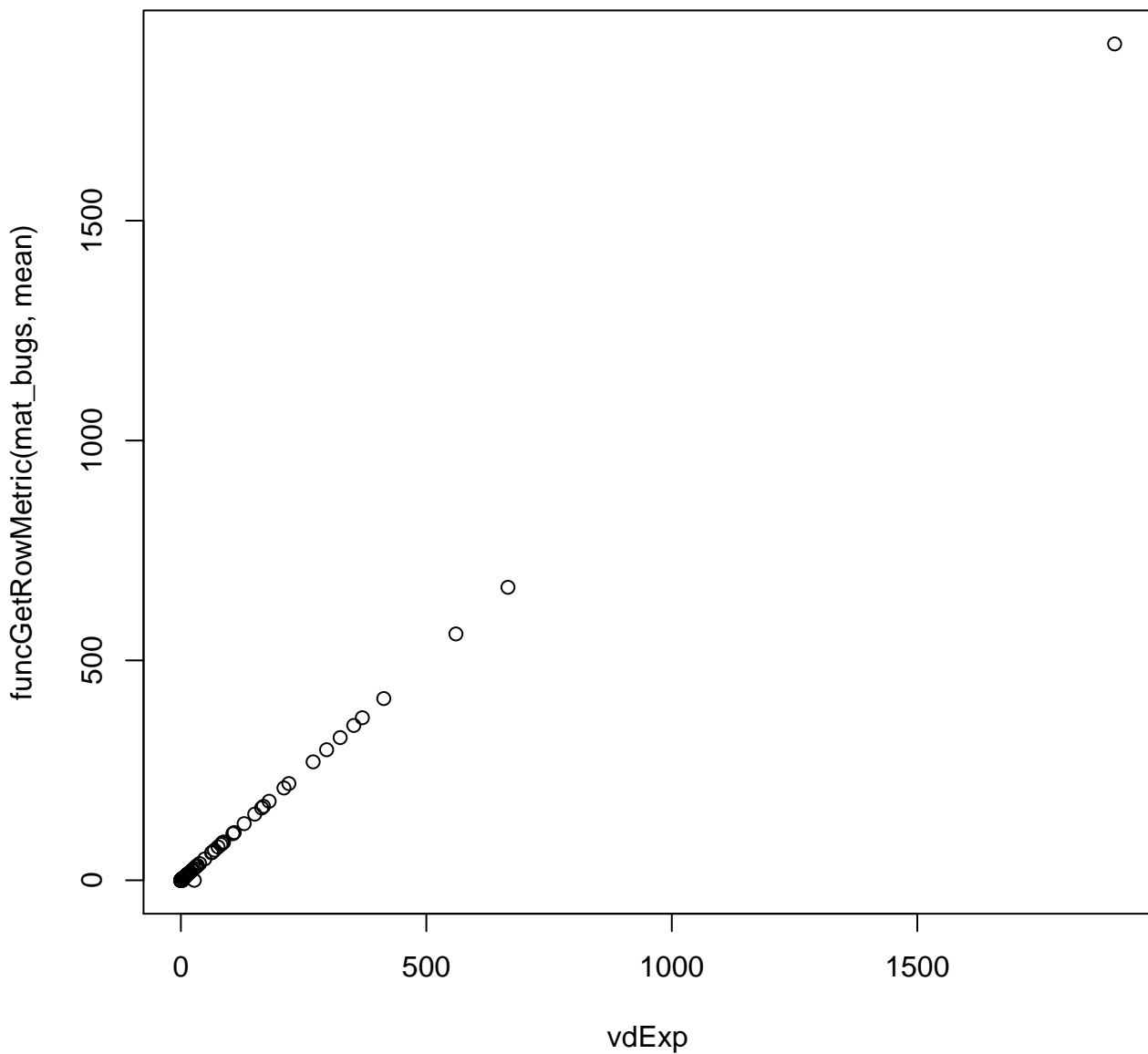
Expected vs Actual Read Depth: Initial



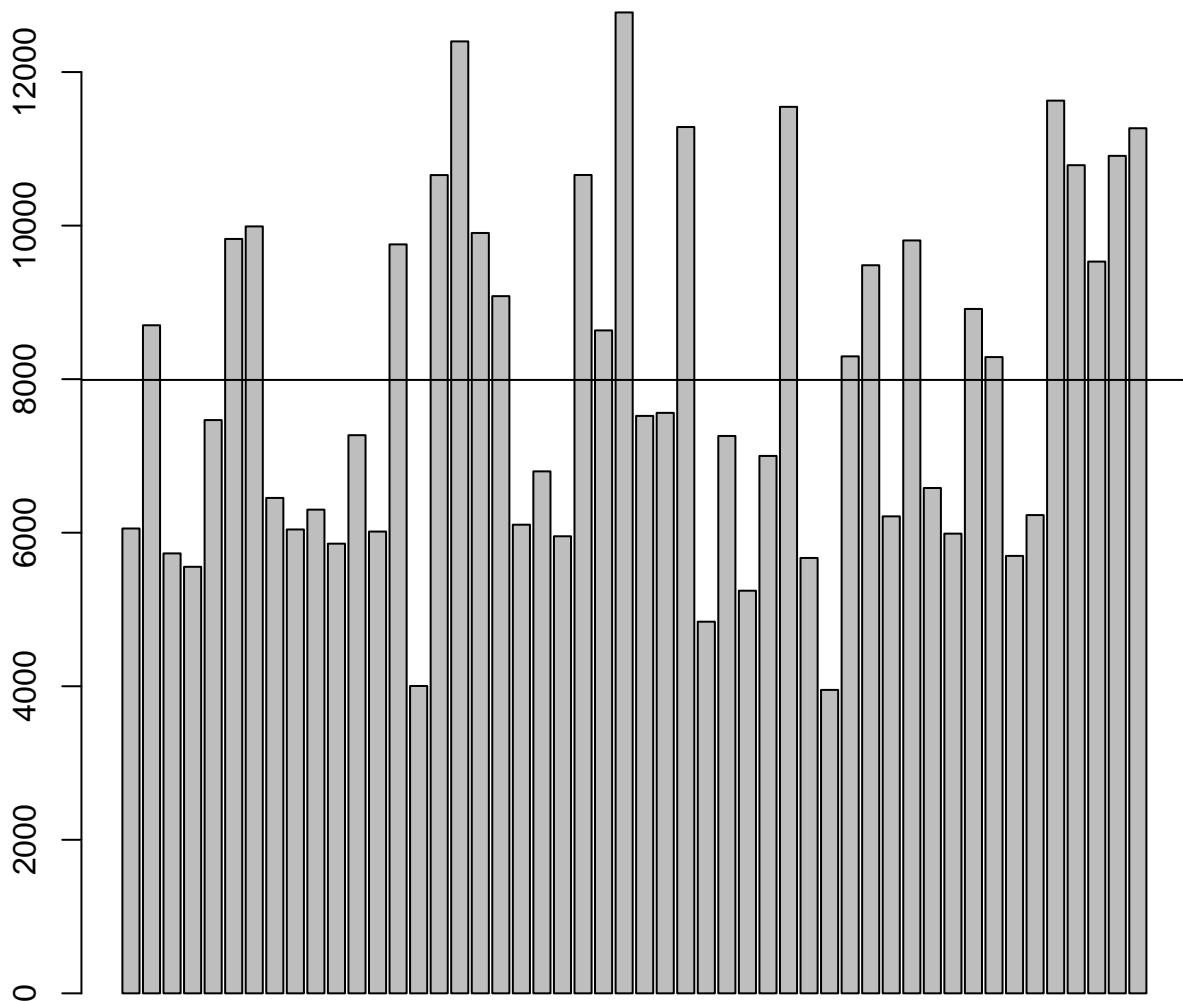
Expected vs Actual Read Depth: Initial logged



Expected vs Actual Read Depth: AfterZeroCorrect

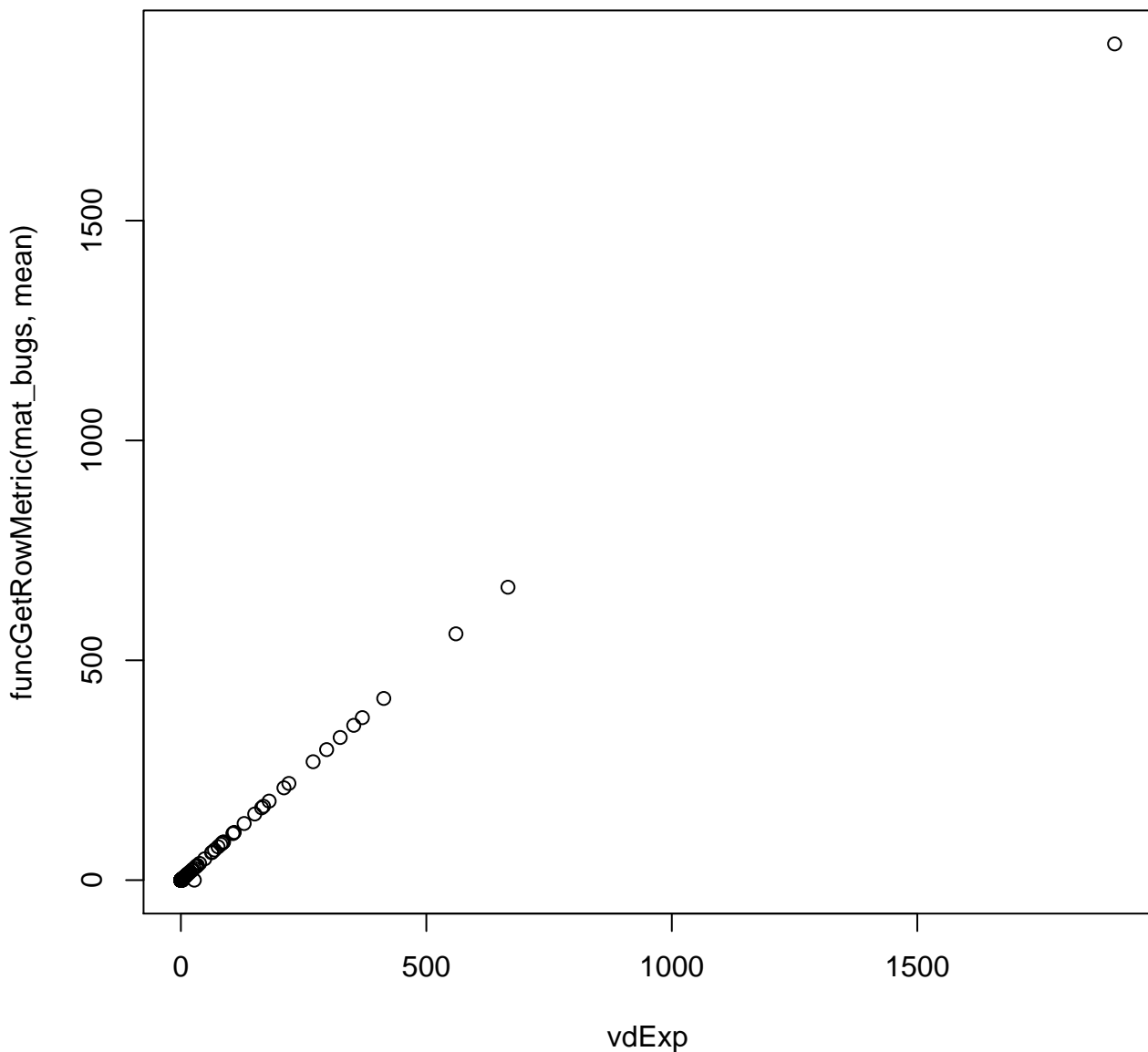


Before Read depth mean= 7990.06512056457

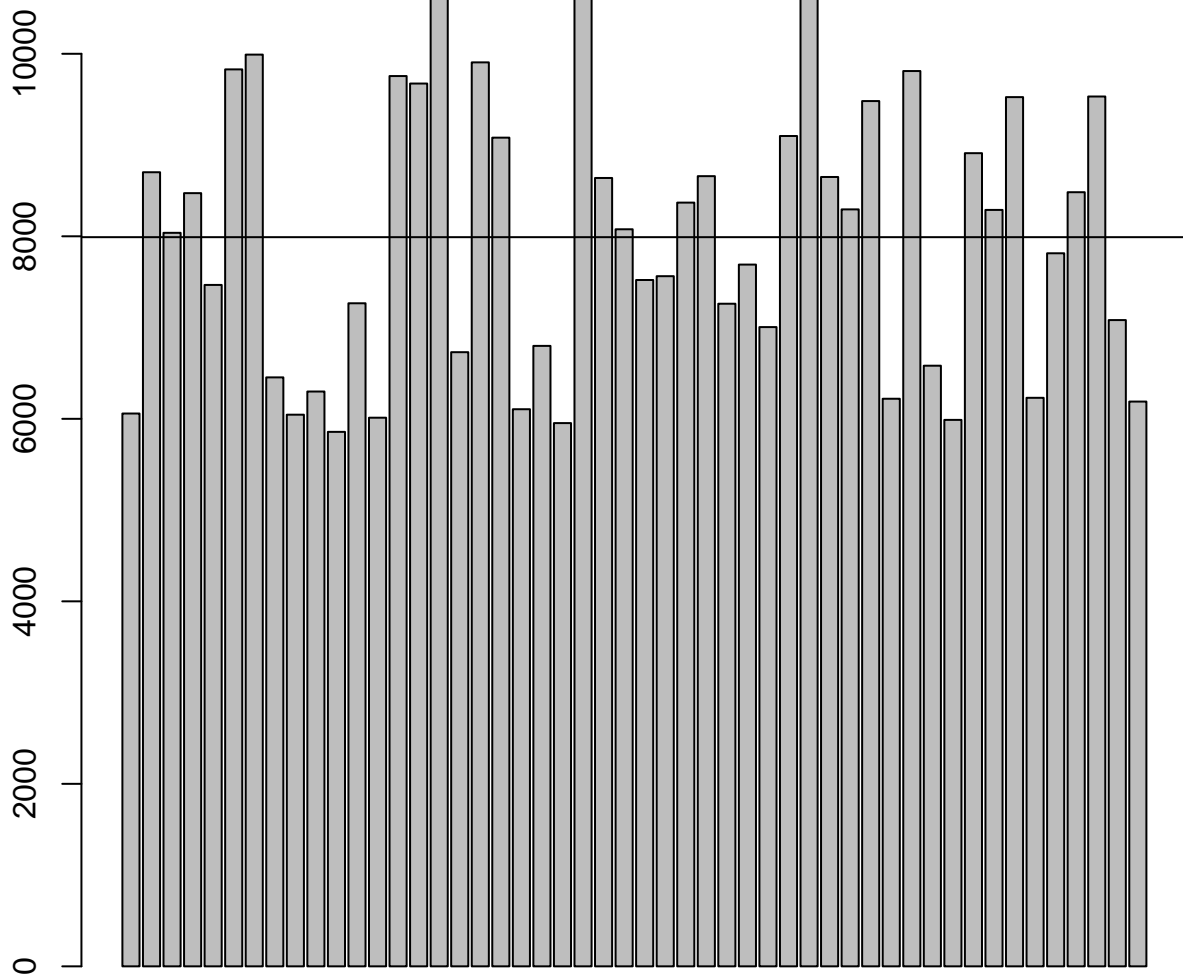


Samples

Expected vs Actual Read Depth: After Shuffle



After Read depth mean= 7990.6



Samples