Region and sepal glands

1a

Likelihood ratio test

Model 1: fit.single

Model 2: fit.multi

#Df LogLik Df Chisq Pr(Chisq)

1 1 -456.51

2 2 -456.11 1 0.7898 0.3742

2a

Likelihood ratio test

Model 1: fit.single2

Model 2: fit.multi2

#Df LogLik Df Chisq Pr(Chisq)

1 1 -431.15

2 2 -431.03 1 0.2391 0.6248

3a

Likelihood ratio test

Model 1: fit.single3

Model 2: fit.multi3

#Df LogLik Df Chisq Pr(Chisq)

1 1 -454.36

2 2 -453.77 1 1.1817 0.277

4a

Likelihood ratio test

Model 1: fit.single4

Model 2: fit.multi4

#Df LogLik Df Chisq Pr(Chisq)

1 1 -436.57

2 2 -435.67 1 1.7891 0.181

5a

Likelihood ratio test

Model 1: fit.single5

Model 2: fit.multi5

#Df LogLik Df Chisq Pr(Chisq)

1 1 -452.36

2 2 -452.08 1 0.5576 0.4552

6a

Likelihood ratio test

Model 1: fit.single6

Model 2: fit.multi6

#Df LogLik Df Chisq Pr(Chisq)

1 1 -460.02

2 2 -458.28 1 3.4814 0.06206 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

7a

Likelihood ratio test

Model 1: fit.single7

Model 2: fit.multi7

#Df LogLik Df Chisq Pr(Chisq)

1 1 -475.33

2 2 -474.84 1 0.9797 0.3223

8a

Likelihood ratio test

Model 1: fit.single8

Model 2: fit.multi8

#Df LogLik Df Chisq Pr(Chisq)

1 1 -438.98

2 2 -437.06 1 3.8221 0.05058 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

9a

Likelihood ratio test

Model 1: fit.single9

Model 2: fit.multi9

#Df LogLik Df Chisq Pr(Chisq)

1 1 -450.87

2 2 -450.36 1 1.0255 0.3112

10a

Likelihood ratio test

Model 1: fit.single10

Model 2: fit.multi10

#Df LogLik Df Chisq Pr(Chisq)

1 1 -470.64

2 2 -464.96 1 11.357 0.0007518 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

11a

Likelihood ratio test

Model 1: fit.single11

Model 2: fit.multi11

#Df LogLik Df Chisq Pr(Chisq)

1 1 -431.49

2 2 -430.90 1 1.1786 0.2776

12a

Likelihood ratio test

Model 1: fit.single12

Model 2: fit.multi12

#Df LogLik Df Chisq Pr(Chisq)

1 1 -432.50

2 2 -431.53 1 1.9578 0.1618

13a

Likelihood ratio test

Model 1: fit.single13

Model 2: fit.multi13

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.61

2 2 -447.11 1 3.0016 0.08318 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

14a

Likelihood ratio test

Model 1: fit.single14

Model 2: fit.multi14

#Df LogLik Df Chisq Pr(Chisq)

1 1 -443.50

2 2 -443.32 1 0.3575 0.5499

15a

Likelihood ratio test

Model 1: fit.single15

Model 2: fit.multi15

#Df LogLik Df Chisq Pr(Chisq)

1 1 -447.79

2 2 -446.15 1 3.2678 0.07065 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

16a

Likelihood ratio test

Model 1: fit.single16

Model 2: fit.multi16

#Df LogLik Df Chisq Pr(Chisq)

1 1 -456.31

2 2 -454.57 1 3.4895 0.06176 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

17a

Likelihood ratio test

Model 1: fit.single17

Model 2: fit.multi17

#Df LogLik Df Chisq Pr(Chisq)

1 1 -450.81

2 2 -447.34 1 6.9415 0.008422 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

18a

Likelihood ratio test

Model 1: fit.single18

Model 2: fit.multi18

#Df LogLik Df Chisq Pr(Chisq)

1 1 -452.47

2 2 -450.14 1 4.6588 0.03089 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

19a

Likelihood ratio test

Model 1: fit.single19

Model 2: fit.multi19

#Df LogLik Df Chisq Pr(Chisq)

1 1 -455.72

2 2 -454.06 1 3.3281 0.06811 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

20a

Likelihood ratio test

Model 1: fit.single20

Model 2: fit.multi20

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.94

2 2 -446.34 1 5.1959 0.02264 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

21a

Likelihood ratio test

Model 1: fit.single21

Model 2: fit.multi21

#Df LogLik Df Chisq Pr(Chisq)

1 1 -451.08

2 2 -450.79 1 0.5958 0.4402

22a

Likelihood ratio test

Model 1: fit.single22

Model 2: fit.multi22

#Df LogLik Df Chisq Pr(Chisq)

1 1 -454.00

2 2 -452.85 1 2.2967 0.1296

23a

Likelihood ratio test

Model 1: fit.single23

Model 2: fit.multi23

#Df LogLik Df Chisq Pr(Chisq)

1 1 -468.01

2 2 -462.91 1 10.187 0.001415 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

24a

Likelihood ratio test

Model 1: fit.single24

Model 2: fit.multi24

#Df LogLik Df Chisq Pr(Chisq)

1 1 -452.17

2 2 -449.37 1 5.5949 0.01801 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

25a

Likelihood ratio test

Model 1: fit.single25

Model 2: fit.multi25

#Df LogLik Df Chisq Pr(Chisq)

1 1 -452.07

2 2 -450.31 1 3.5072 0.0611 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

26a

Likelihood ratio test

Model 1: fit.single26

Model 2: fit.multi26

#Df LogLik Df Chisq Pr(Chisq)

1 1 -444.49

2 2 -444.49 1 0.0019 0.9654

27a

Likelihood ratio test

Model 1: fit.single27

Model 2: fit.multi27

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.48

2 2 -447.59 1 1.7767 0.1826

28a

Likelihood ratio test

Model 1: fit.single28

Model 2: fit.multi28

#Df LogLik Df Chisq Pr(Chisq)

1 1 -451.74

2 2 -451.31 1 0.8636 0.3527

29a

Likelihood ratio test

Model 1: fit.single29

Model 2: fit.multi29

#Df LogLik Df Chisq Pr(Chisq)

1 1 -478.64

2 2 -469.31 1 18.661 1.562e-05 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

30a

Likelihood ratio test

Model 1: fit.single30

Model 2: fit.multi30

#Df LogLik Df Chisq Pr(Chisq)

1 1 -427.66

2 2 -426.61 1 2.0998 0.1473

31a

Likelihood ratio test

Model 1: fit.single31

Model 2: fit.multi31

#Df LogLik Df Chisq Pr(Chisq)

1 1 -441.83

2 2 -441.62 1 0.4217 0.5161

32a

Likelihood ratio test

Model 1: fit.single32

Model 2: fit.multi32

#Df LogLik Df Chisq Pr(Chisq)

1 1 -452.32

2 2 -450.18 1 4.2829 0.0385 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

33a

Likelihood ratio test

Model 1: fit.single33

Model 2: fit.multi33

#Df LogLik Df Chisq Pr(Chisq)

1 1 -442.61

2 2 -442.60 1 0.0138 0.9064

34a

Likelihood ratio test

Model 1: fit.single34

Model 2: fit.multi34

#Df LogLik Df Chisq Pr(Chisq)

1 1 -461.90

2 2 -461.88 1 0.0305 0.8614

35a

Likelihood ratio test

Model 1: fit.single35

Model 2: fit.multi35

#Df LogLik Df Chisq Pr(Chisq)

1 1 -445.50

2 2 -445.27 1 0.4717 0.4922

36a

Likelihood ratio test

Model 1: fit.single36

Model 2: fit.multi36

#Df LogLik Df Chisq Pr(Chisq)

1 1 -455.19

2 2 -454.26 1 1.847 0.1741

37a

Likelihood ratio test

Model 1: fit.single37

Model 2: fit.multi37

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.46

2 2 -457.36 1 0.2153 0.6427

38a

Likelihood ratio test

Model 1: fit.single38

Model 2: fit.multi38

#Df LogLik Df Chisq Pr(Chisq)

1 1 -459.29

2 2 -458.62 1 1.3447 0.2462

39a

Likelihood ratio test

Model 1: fit.single39

Model 2: fit.multi39

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.81

2 2 -457.39 1 0.8475 0.3573

40a

Likelihood ratio test

Model 1: fit.single40

Model 2: fit.multi40

#Df LogLik Df Chisq Pr(Chisq)

1 1 -479.73

2 2 -476.67 1 6.1328 0.01327 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

41a

Likelihood ratio test

Model 1: fit.single41

Model 2: fit.multi41

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.52

2 2 -444.62 1 7.8084 0.0052 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

42a

Likelihood ratio test

Model 1: fit.single42

Model 2: fit.multi42

#Df LogLik Df Chisq Pr(Chisq)

1 1 -439.39

2 2 -438.03 1 2.7134 0.09951 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

43a

Likelihood ratio test

Model 1: fit.single43

Model 2: fit.multi43

#Df LogLik Df Chisq Pr(Chisq)

1 1 -455.74

2 2 -451.71 1 8.0588 0.004528 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

44a

Likelihood ratio test

Model 1: fit.single44

Model 2: fit.multi44

#Df LogLik Df Chisq Pr(Chisq)

1 1 -456.04

2 2 -455.70 1 0.6722 0.4123

45a

Likelihood ratio test

Model 1: fit.single45

Model 2: fit.multi45

#Df LogLik Df Chisq Pr(Chisq)

1 1 -459.95

2 2 -458.41 1 3.0708 0.07971 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

1

Likelihood ratio test

Model 1: fit.single

Model 2: fit.multi

#Df LogLik Df Chisq Pr(Chisq)

1 1 -419.04

2 2 -418.33 1 1.4043 0.236

2

Likelihood ratio test

Model 1: fit.single2

Model 2: fit.multi2

#Df LogLik Df Chisq Pr(Chisq)

1 1 -428.80

2 2 -428.14 1 1.3207 0.2505

3

Likelihood ratio test

Model 1: fit.single3

Model 2: fit.multi3

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.37

2 2 -446.50 1 3.7405 0.05311 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

4

Likelihood ratio test

Model 1: fit.single4

Model 2: fit.multi4

#Df LogLik Df Chisq Pr(Chisq)

1 1 -437.27

2 2 -437.23 1 0.084 0.7719

5

Likelihood ratio test

Model 1: fit.single5

Model 2: fit.multi5

#Df LogLik Df Chisq Pr(Chisq)

1 1 -488.61

2 2 -480.53 1 16.162 5.814e-05 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

6

Likelihood ratio test

Model 1: fit.single6

Model 2: fit.multi6

#Df LogLik Df Chisq Pr(Chisq)

1 1 -445.34

2 2 -444.77 1 1.1561 0.2823

7

Likelihood ratio test

Model 1: fit.single7

Model 2: fit.multi7

#Df LogLik Df Chisq Pr(Chisq)

1 1 -445.96

2 2 -445.25 1 1.4178 0.2338

8

Likelihood ratio test

Model 1: fit.single8

Model 2: fit.multi8

#Df LogLik Df Chisq Pr(Chisq)

1 1 -444.59

2 2 -443.61 1 1.9476 0.1628

9

Likelihood ratio test

Model 1: fit.single9

Model 2: fit.multi9

#Df LogLik Df Chisq Pr(Chisq)

1 1 -434.82

2 2 -434.38 1 0.8841 0.3471

10

Likelihood ratio test

Model 1: fit.single10

Model 2: fit.multi10

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.75

2 2 -457.29 1 0.9166 0.3384

11

Likelihood ratio test

Model 1: fit.single11

Model 2: fit.multi11

#Df LogLik Df Chisq Pr(Chisq)

1 1 -429.39

2 2 -428.59 1 1.6015 0.2057

12

Likelihood ratio test

Model 1: fit.single12

Model 2: fit.multi12

#Df LogLik Df Chisq Pr(Chisq)

1 1 -440.35

2 2 -438.41 1 3.8913 0.04854 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

13

Likelihood ratio test

Model 1: fit.single13

Model 2: fit.multi13

#Df LogLik Df Chisq Pr(Chisq)

1 1 -461.87

2 2 -460.37 1 3.009 0.0828 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

14

Likelihood ratio test

Model 1: fit.single14

Model 2: fit.multi14

#Df LogLik Df Chisq Pr(Chisq)

1 1 -454.06

2 2 -453.94 1 0.253 0.615

15

Likelihood ratio test

Model 1: fit.single15

Model 2: fit.multi15

#Df LogLik Df Chisq Pr(Chisq)

1 1 -455.40

2 2 -454.04 1 2.7273 0.09865 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

16

Likelihood ratio test

Model 1: fit.single16

Model 2: fit.multi16

#Df LogLik Df Chisq Pr(Chisq)

1 1 -458.37

2 2 -454.87 1 7.014 0.008088 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

17

Likelihood ratio test

Model 1: fit.single17

Model 2: fit.multi17

#Df LogLik Df Chisq Pr(Chisq)

1 1 -441.39

2 2 -436.63 1 9.5166 0.002036 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

18

Likelihood ratio test

Model 1: fit.single18

Model 2: fit.multi18

#Df LogLik Df Chisq Pr(Chisq)

1 1 -438.85

2 2 -438.82 1 0.0791 0.7786

19

Likelihood ratio test

Model 1: fit.single19

Model 2: fit.multi19

#Df LogLik Df Chisq Pr(Chisq)

1 1 -470.59

2 2 -467.21 1 6.7516 0.009366 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

20

Likelihood ratio test

Model 1: fit.single20

Model 2: fit.multi20

#Df LogLik Df Chisq Pr(Chisq)

1 1 -452.38

2 2 -452.35 1 0.0727 0.7874

21

Likelihood ratio test

Model 1: fit.single21

Model 2: fit.multi21

#Df LogLik Df Chisq Pr(Chisq)

1 1 -431.73

2 2 -430.17 1 3.1133 0.07765 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

22

Likelihood ratio test

Model 1: fit.single22

Model 2: fit.multi22

#Df LogLik Df Chisq Pr(Chisq)

1 1 -459.97

2 2 -454.24 1 11.468 0.0007081 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

23

Likelihood ratio test

Model 1: fit.single23

Model 2: fit.multi23

#Df LogLik Df Chisq Pr(Chisq)

1 1 -456.32

2 2 -454.00 1 4.6264 0.03148 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

24

Likelihood ratio test

Model 1: fit.single24

Model 2: fit.multi24

#Df LogLik Df Chisq Pr(Chisq)

1 1 -464.17

2 2 -459.37 1 9.5855 0.001961 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

25

Likelihood ratio test

Model 1: fit.single25

Model 2: fit.multi25

#Df LogLik Df Chisq Pr(Chisq)

1 1 -450.73

2 2 -450.55 1 0.3615 0.5477

26

Likelihood ratio test

Model 1: fit.single26

Model 2: fit.multi26

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.86

2 2 -454.70 1 6.3248 0.01191 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

27

Likelihood ratio test

Model 1: fit.single27

Model 2: fit.multi27

#Df LogLik Df Chisq Pr(Chisq)

1 1 -443.95

2 2 -443.28 1 1.354 0.2446

28

Likelihood ratio test

Model 1: fit.single28

Model 2: fit.multi28

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.69

2 2 -446.77 1 3.8369 0.05014 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

29

Likelihood ratio test

Model 1: fit.single29

Model 2: fit.multi29

#Df LogLik Df Chisq Pr(Chisq)

1 1 -453.20

2 2 -452.37 1 1.6783 0.1951

30

Likelihood ratio test

Model 1: fit.single30

Model 2: fit.multi30

#Df LogLik Df Chisq Pr(Chisq)

1 1 -453.16

2 2 -451.21 1 3.9048 0.04815 \*

31

Likelihood ratio test

Model 1: fit.single31

Model 2: fit.multi31

#Df LogLik Df Chisq Pr(Chisq)

1 1 -440.57

2 2 -439.35 1 2.4549 0.1172

32

Likelihood ratio test

Model 1: fit.single32

Model 2: fit.multi32

#Df LogLik Df Chisq Pr(Chisq)

1 1 -428.74

2 2 -428.08 1 1.3023 0.2538

33

Likelihood ratio test

Model 1: fit.single33

Model 2: fit.multi33

#Df LogLik Df Chisq Pr(Chisq)

1 1 -462.32

2 2 -462.17 1 0.2988 0.5846

34

Likelihood ratio test

Model 1: fit.single34

Model 2: fit.multi34

#Df LogLik Df Chisq Pr(Chisq)

1 1 -449.71

2 2 -448.39 1 2.644 0.1039

35

Likelihood ratio test

Model 1: fit.single35

Model 2: fit.multi35

#Df LogLik Df Chisq Pr(Chisq)

1 1 -477.74

2 2 -477.20 1 1.0632 0.3025

36

Likelihood ratio test

Model 1: fit.single36

Model 2: fit.multi36

#Df LogLik Df Chisq Pr(Chisq)

1 1 -436.72

2 2 -434.75 1 3.937 0.04724 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

37

Likelihood ratio test

Model 1: fit.single37

Model 2: fit.multi37

#Df LogLik Df Chisq Pr(Chisq)

1 1 -462.05

2 2 -460.33 1 3.4501 0.06325 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

38

Likelihood ratio test

Model 1: fit.single38

Model 2: fit.multi38

#Df LogLik Df Chisq Pr(Chisq)

1 1 -455.66

2 2 -452.13 1 7.0663 0.007855 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

39

Likelihood ratio test

Model 1: fit.single39

Model 2: fit.multi39

#Df LogLik Df Chisq Pr(Chisq)

1 1 -445.6

2 2 -445.0 1 1.2022 0.2729

40

Likelihood ratio test

Model 1: fit.single40

Model 2: fit.multi40

#Df LogLik Df Chisq Pr(Chisq)

1 1 -455.48

2 2 -454.57 1 1.8378 0.1752

41

Likelihood ratio test

Model 1: fit.single41

Model 2: fit.multi41

#Df LogLik Df Chisq Pr(Chisq)

1 1 -461.31

2 2 -461.26 1 0.0962 0.7564

42

Likelihood ratio test

Model 1: fit.single42

Model 2: fit.multi42

#Df LogLik Df Chisq Pr(Chisq)

1 1 -450.04

2 2 -448.53 1 3.0264 0.08192 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

43

Likelihood ratio test

Model 1: fit.single43

Model 2: fit.multi43

#Df LogLik Df Chisq Pr(Chisq)

1 1 -451.06

2 2 -450.93 1 0.2595 0.6105

44

Likelihood ratio test

Model 1: fit.single44

Model 2: fit.multi44

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.14

2 2 -455.78 1 2.717 0.09928 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

45

Likelihood ratio test

Model 1: fit.single45

Model 2: fit.multi45

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.52

2 2 -456.53 1 1.9964 0.1577

46

Likelihood ratio test

Model 1: fit.single46

Model 2: fit.multi46

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.15

2 2 -455.38 1 3.5483 0.05961 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

47

Likelihood ratio test

Model 1: fit.single47

Model 2: fit.multi47

#Df LogLik Df Chisq Pr(Chisq)

1 1 -450.35

2 2 -449.33 1 2.0338 0.1538

48

Likelihood ratio test

Model 1: fit.single48

Model 2: fit.multi48

#Df LogLik Df Chisq Pr(Chisq)

1 1 -457.90

2 2 -455.95 1 3.8962 0.0484 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

49

Likelihood ratio test

Model 1: fit.single49

Model 2: fit.multi49

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.03

2 2 -447.52 1 1.0213 0.3122

50

Likelihood ratio test

Model 1: fit.single50

Model 2: fit.multi50

#Df LogLik Df Chisq Pr(Chisq)

1 1 -448.16

2 2 -445.50 1 5.3255 0.02102 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

51

Likelihood ratio test

Model 1: fit.single51

Model 2: fit.multi51

#Df LogLik Df Chisq Pr(Chisq)

1 1 -446.36

2 2 -444.50 1 3.7226 0.05368 .

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

52

Likelihood ratio test

Model 1: fit.single52

Model 2: fit.multi52

#Df LogLik Df Chisq Pr(Chisq)

1 1 -462.43

2 2 -461.40 1 2.0614 0.1511

53

Likelihood ratio test

Model 1: fit.single53

Model 2: fit.multi53

#Df LogLik Df Chisq Pr(Chisq)

1 1 -473.78

2 2 -471.49 1 4.5837 0.03228 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

54

Likelihood ratio test

Model 1: fit.single54

Model 2: fit.multi54

#Df LogLik Df Chisq Pr(Chisq)

1 1 -464.73

2 2 -463.60 1 2.2448 0.1341

55

Likelihood ratio test

Model 1: fit.single55

Model 2: fit.multi55

#Df LogLik Df Chisq Pr(Chisq)

1 1 -449.23

2 2 -448.79 1 0.8759 0.3493