| mod\_name | AICc | delta | model\_df | deviance | d2 | residual\_df | lr\_chisq | chisq\_df | p\_value\_chisq | lr\_signif | best\_model\_candidate | best\_model |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| null | 416.98 | 111.98 | 3 | 410.66 | 1.00 | 76 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| elevation | 343.73 | 38.73 | 4 | 335.19 | 0.18 | 75 | 75.47 | 1 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly | 320.24 | 15.23 | 5 | 309.42 | 0.25 | 74 | 101.25 | 2 | 0.00 | \*\*\* | FALSE | FALSE |
| region | 418.82 | 113.82 | 5 | 408.00 | 0.01 | 74 | 2.66 | 2 | 0.26 |  | FALSE | FALSE |
| season | 418.95 | 113.95 | 4 | 410.41 | 0.00 | 75 | 0.25 | 1 | 0.62 |  | FALSE | FALSE |
| elevation + region | 330.13 | 25.12 | 6 | 316.96 | 0.23 | 73 | 93.70 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* region | 330.35 | 25.35 | 8 | 312.29 | 0.24 | 71 | 98.37 | 5 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation + season | 346.00 | 40.99 | 5 | 335.17 | 0.18 | 74 | 75.49 | 2 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* season | 346.45 | 41.44 | 6 | 333.28 | 0.19 | 73 | 77.38 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly + region | NA | NA | 7 | NA | NA | 72 | NA | 4 | NA |  | NA | NA |
| elevation-poly \* region | 307.64 | 2.63 | 11 | 281.70 | 0.31 | 68 | 128.96 | 8 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly + season | 322.50 | 17.49 | 6 | 309.33 | 0.25 | 73 | 101.33 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly \* season | 322.54 | 17.53 | 8 | 304.48 | 0.26 | 71 | 106.18 | 5 | 0.00 | \*\*\* | FALSE | FALSE |
| region + season | 420.88 | 115.88 | 6 | 407.71 | 0.01 | 73 | 2.95 | 3 | 0.40 |  | FALSE | FALSE |
| region \* season | 414.79 | 109.78 | 8 | 396.73 | 0.03 | 71 | 13.93 | 5 | 0.02 | \* | FALSE | FALSE |
| elevation + region + season | 332.36 | 27.36 | 7 | 316.78 | 0.23 | 72 | 93.88 | 4 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation + region \* season | 328.96 | 23.96 | 10 | 305.73 | 0.26 | 69 | 104.93 | 7 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* region + season | 332.70 | 27.70 | 9 | 312.10 | 0.24 | 70 | 98.57 | 6 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* region \* season | 330.64 | 25.64 | 14 | 296.08 | 0.28 | 65 | 114.58 | 11 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly + region + season | 305.00 | 0.00 | 8 | 286.95 | 0.30 | 71 | 123.71 | 5 | 0.00 | \*\*\* | TRUE | TRUE |
| elevation-poly + region \* season | NA | NA | 12 | NA | NA | 67 | NA | 9 | NA |  | NA | NA |
| elevation-poly \* region + season | 310.19 | 5.19 | 12 | 281.46 | 0.32 | 67 | 129.20 | 9 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly \* region \* season | 314.22 | 9.22 | 20 | 259.74 | 0.37 | 59 | 150.92 | 17 | 0.00 | \*\*\* | FALSE | FALSE |

| mod\_name | AICc | delta | model\_df | deviance | d2 | residual\_df | lr\_chisq | chisq\_df | p\_value\_chisq | lr\_signif | best\_model\_candidate | best\_model |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| null | 524.33 | 106.39 | 3 | 518.01 | 1.00 | 76 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| elevation | 453.93 | 36.00 | 4 | 445.39 | 0.14 | 75 | 72.61 | 1 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly | 431.76 | 13.82 | 5 | 420.94 | 0.19 | 74 | 97.07 | 2 | 0.00 | \*\*\* | FALSE | FALSE |
| region | 527.56 | 109.62 | 5 | 516.74 | 0.00 | 74 | 1.27 | 2 | 0.53 |  | FALSE | FALSE |
| season | 526.11 | 108.17 | 4 | 517.57 | 0.00 | 75 | 0.44 | 1 | 0.51 |  | FALSE | FALSE |
| elevation + region | 451.81 | 33.88 | 6 | 438.64 | 0.15 | 73 | 79.36 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* region | 453.59 | 35.65 | 8 | 435.53 | 0.16 | 71 | 82.48 | 5 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation + season | 456.21 | 38.28 | 5 | 445.39 | 0.14 | 74 | 72.62 | 2 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* season | 457.93 | 39.99 | 6 | 444.76 | 0.14 | 73 | 73.25 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly + region | 431.25 | 13.31 | 7 | 415.67 | 0.20 | 72 | 102.34 | 4 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly \* region | 432.52 | 14.58 | 11 | 406.58 | 0.22 | 68 | 111.43 | 8 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly + season | 433.85 | 15.92 | 6 | 420.69 | 0.19 | 73 | 97.32 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly \* season | 434.56 | 16.62 | 8 | 416.50 | 0.20 | 71 | 101.50 | 5 | 0.00 | \*\*\* | FALSE | FALSE |
| region + season | 529.41 | 111.48 | 6 | 516.24 | 0.00 | 73 | 1.76 | 3 | 0.62 |  | FALSE | FALSE |
| region \* season | 518.27 | 100.33 | 8 | 500.21 | 0.03 | 71 | 17.79 | 5 | 0.00 | \*\* | FALSE | FALSE |
| elevation + region + season | 454.20 | 36.26 | 7 | 438.62 | 0.15 | 72 | 79.39 | 4 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation + region \* season | 443.34 | 25.41 | 10 | 420.11 | 0.19 | 69 | 97.90 | 7 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* region + season | 456.12 | 38.19 | 9 | 435.52 | 0.16 | 70 | 82.49 | 6 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation \* region \* season | 439.30 | 21.36 | 14 | 404.74 | 0.22 | 65 | 113.27 | 11 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly + region + season | 433.69 | 15.75 | 8 | 415.63 | 0.20 | 71 | 102.38 | 5 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly + region \* season | 426.50 | 8.57 | 12 | 397.77 | 0.23 | 67 | 120.23 | 9 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly \* region + season | 434.95 | 17.02 | 12 | 406.22 | 0.22 | 67 | 111.78 | 9 | 0.00 | \*\*\* | FALSE | FALSE |
| elevation-poly \* region \* season | 417.94 | 0.00 | 20 | 363.45 | 0.30 | 59 | 154.55 | 17 | 0.00 | \*\*\* | TRUE | TRUE |