| mod\_name | model\_df | AICc | delta | weight | best\_model\_candidate | mod\_r2\_partial | d2 | lr\_number\_df | lr\_log\_lik | lr\_df | lr\_chisq | lr\_pr\_chisq | lr\_signif | best\_model |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| null | 2 | 444.41 | 144.09 | 0.00 | FALSE | NA | 0.00 | 2 | -220.13 | 0 | 0.00 | 1.00 |  | FALSE |
| elevation | 3 | 347.23 | 46.90 | 0.00 | FALSE | NA | 0.23 | 3 | -170.45 | 1 | 99.35 | 0.00 | \*\*\* | FALSE |
| elevation-poly | 4 | 317.96 | 17.63 | 0.00 | FALSE | NA | 0.30 | 4 | -154.71 | 2 | 130.84 | 0.00 | \*\*\* | FALSE |
| region | 4 | 446.39 | 146.06 | 0.00 | FALSE | NA | 0.01 | 4 | -218.92 | 2 | 2.41 | 0.30 |  | FALSE |
| season | 3 | 446.52 | 146.19 | 0.00 | FALSE | NA | 0.00 | 3 | -220.10 | 1 | 0.06 | 0.81 |  | FALSE |
| elevation + region | 5 | 329.51 | 29.19 | 0.00 | FALSE | NA | 0.28 | 5 | -159.35 | 3 | 121.56 | 0.00 | \*\*\* | FALSE |
| elevation \* region | 7 | 328.48 | 28.15 | 0.00 | FALSE | NA | 0.29 | 7 | -156.45 | 5 | 127.36 | 0.00 | \*\*\* | FALSE |
| elevation + season | 4 | 349.31 | 48.98 | 0.00 | FALSE | NA | 0.23 | 4 | -170.38 | 2 | 99.49 | 0.00 | \*\*\* | FALSE |
| elevation \* season | 5 | 350.95 | 50.63 | 0.00 | FALSE | NA | 0.23 | 5 | -170.07 | 3 | 100.12 | 0.00 | \*\*\* | FALSE |
| elevation-poly + region | 6 | 300.33 | 0.00 | 0.47 | TRUE | NA | 0.35 | 6 | -143.58 | 4 | 153.10 | 0.00 | \*\*\* | FALSE |
| elevation-poly \* region | 10 | 304.94 | 4.61 | 0.05 | FALSE | NA | 0.36 | 10 | -140.85 | 8 | 158.55 | 0.00 | \*\*\* | FALSE |
| elevation-poly + season | 5 | 320.15 | 19.83 | 0.00 | FALSE | NA | 0.30 | 5 | -154.67 | 3 | 130.92 | 0.00 | \*\*\* | FALSE |
| elevation-poly \* season | 7 | 320.06 | 19.73 | 0.00 | FALSE | NA | 0.31 | 7 | -152.24 | 5 | 135.77 | 0.00 | \*\*\* | FALSE |
| region + season | 5 | 448.45 | 148.13 | 0.00 | FALSE | NA | 0.01 | 5 | -218.82 | 3 | 2.62 | 0.45 |  | FALSE |
| region \* season | 7 | 451.57 | 151.25 | 0.00 | FALSE | NA | 0.01 | 7 | -218.00 | 5 | 4.26 | 0.51 |  | FALSE |
| elevation + region + season | 6 | 331.72 | 31.40 | 0.00 | FALSE | NA | 0.28 | 6 | -159.28 | 4 | 121.70 | 0.00 | \*\*\* | FALSE |
| elevation + region \* season | 9 | 331.61 | 31.28 | 0.00 | FALSE | NA | 0.29 | 9 | -155.50 | 7 | 129.25 | 0.00 | \*\*\* | FALSE |
| elevation \* region + season | 8 | 330.76 | 30.43 | 0.00 | FALSE | NA | 0.29 | 8 | -156.35 | 6 | 127.55 | 0.00 | \*\*\* | FALSE |
| elevation \* region \* season | 13 | 329.51 | 29.18 | 0.00 | FALSE | NA | 0.32 | 13 | -148.95 | 11 | 142.35 | 0.00 | \*\*\* | FALSE |
| elevation-poly + region + season | 7 | 302.53 | 2.20 | 0.16 | FALSE | NA | 0.35 | 7 | -143.48 | 5 | 153.30 | 0.00 | \*\*\* | FALSE |
| elevation-poly + region \* season | 11 | 301.18 | 0.86 | 0.31 | TRUE | NA | 0.37 | 11 | -137.62 | 9 | 165.01 | 0.00 | \*\*\* | TRUE |
| elevation-poly \* region + season | 11 | 307.40 | 7.08 | 0.01 | FALSE | NA | 0.36 | 11 | -140.73 | 9 | 158.79 | 0.00 | \*\*\* | FALSE |
| elevation-poly \* region \* season | 19 | 310.62 | 10.30 | 0.00 | FALSE | NA | 0.41 | 19 | -129.87 | 17 | 180.51 | 0.00 | \*\*\* | FALSE |

| mod\_name | model\_df | AICc | delta | weight | best\_model\_candidate | mod\_r2\_partial | d2 | lr\_number\_df | lr\_log\_lik | lr\_df | lr\_chisq | lr\_pr\_chisq | lr\_signif | best\_model |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| null | 2 | 541.86 | 121.13 | 0.00 | FALSE | NA | 0.00 | 2 | -268.85 | 0 | 0.00 | 1.00 |  | FALSE |
| elevation | 3 | 458.20 | 37.48 | 0.00 | FALSE | NA | 0.16 | 3 | -225.94 | 1 | 85.82 | 0.00 | \*\*\* | FALSE |
| elevation-poly | 4 | 429.63 | 8.91 | 0.01 | FALSE | NA | 0.22 | 4 | -210.55 | 2 | 116.61 | 0.00 | \*\*\* | FALSE |
| region | 4 | 546.10 | 125.38 | 0.00 | FALSE | NA | 0.00 | 4 | -268.78 | 2 | 0.14 | 0.93 |  | FALSE |
| season | 3 | 543.98 | 123.25 | 0.00 | FALSE | NA | 0.00 | 3 | -268.83 | 1 | 0.04 | 0.84 |  | FALSE |
| elevation + region | 5 | 455.70 | 34.97 | 0.00 | FALSE | NA | 0.17 | 5 | -222.44 | 3 | 92.82 | 0.00 | \*\*\* | FALSE |
| elevation \* region | 7 | 457.80 | 37.08 | 0.00 | FALSE | NA | 0.18 | 7 | -221.11 | 5 | 95.48 | 0.00 | \*\*\* | FALSE |
| elevation + season | 4 | 460.03 | 39.30 | 0.00 | FALSE | NA | 0.16 | 4 | -225.74 | 2 | 86.21 | 0.00 | \*\*\* | FALSE |
| elevation \* season | 5 | 462.28 | 41.55 | 0.00 | FALSE | NA | 0.16 | 5 | -225.73 | 3 | 86.24 | 0.00 | \*\*\* | FALSE |
| elevation-poly + region | 6 | 429.50 | 8.77 | 0.01 | FALSE | NA | 0.23 | 6 | -208.17 | 4 | 121.37 | 0.00 | \*\*\* | FALSE |
| elevation-poly \* region | 10 | 429.95 | 9.22 | 0.01 | FALSE | NA | 0.24 | 10 | -203.36 | 8 | 130.99 | 0.00 | \*\*\* | FALSE |
| elevation-poly + season | 5 | 431.60 | 10.87 | 0.00 | FALSE | NA | 0.22 | 5 | -210.39 | 3 | 116.92 | 0.00 | \*\*\* | FALSE |
| elevation-poly \* season | 7 | 432.26 | 11.53 | 0.00 | FALSE | NA | 0.23 | 7 | -208.34 | 5 | 121.02 | 0.00 | \*\*\* | FALSE |
| region + season | 5 | 548.34 | 127.61 | 0.00 | FALSE | NA | 0.00 | 5 | -268.76 | 3 | 0.18 | 0.98 |  | FALSE |
| region \* season | 7 | 550.73 | 130.00 | 0.00 | FALSE | NA | 0.00 | 7 | -267.58 | 5 | 2.55 | 0.77 |  | FALSE |
| elevation + region + season | 6 | 457.95 | 37.22 | 0.00 | FALSE | NA | 0.17 | 6 | -222.39 | 4 | 92.92 | 0.00 | \*\*\* | FALSE |
| elevation + region \* season | 9 | 457.79 | 37.06 | 0.00 | FALSE | NA | 0.19 | 9 | -218.59 | 7 | 100.52 | 0.00 | \*\*\* | FALSE |
| elevation \* region + season | 8 | 460.12 | 39.39 | 0.00 | FALSE | NA | 0.18 | 8 | -221.03 | 6 | 95.64 | 0.00 | \*\*\* | FALSE |
| elevation \* region \* season | 13 | 457.37 | 36.65 | 0.00 | FALSE | NA | 0.21 | 13 | -212.89 | 11 | 111.93 | 0.00 | \*\*\* | FALSE |
| elevation-poly + region + season | 7 | 431.78 | 11.05 | 0.00 | FALSE | NA | 0.23 | 7 | -208.10 | 5 | 121.50 | 0.00 | \*\*\* | FALSE |
| elevation-poly + region \* season | 11 | 429.91 | 9.18 | 0.01 | FALSE | NA | 0.25 | 11 | -201.98 | 9 | 133.73 | 0.00 | \*\*\* | FALSE |
| elevation-poly \* region + season | 11 | 432.18 | 11.45 | 0.00 | FALSE | NA | 0.24 | 11 | -203.12 | 9 | 131.46 | 0.00 | \*\*\* | FALSE |
| elevation-poly \* region \* season | 19 | 420.73 | 0.00 | 0.94 | TRUE | NA | 0.31 | 19 | -184.92 | 17 | 167.86 | 0.00 | \*\*\* | TRUE |