| mod\_name | model\_df | AICc | delta | weight | best\_model | r2 | mod\_r2\_partial | d2 | aov\_df | aov\_aic | aov\_bic | aov\_log\_lik | aov\_deviance | aov\_chisq | aov\_chi\_df | aov\_pr\_chisq | aov\_signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| null | 2 | 444.41 | 144.09 | NA | FALSE | 0.00 | NA | 0.00 | 2 | 444.25 | 448.99 | -220.13 | 440.25 | 0.00 | 0 | 1.00 |  |
| elevation | 3 | 347.23 | 46.90 | NA | FALSE | 0.59 | NA | 0.23 | 3 | 346.91 | 354.01 | -170.45 | 340.91 | 99.35 | 1 | 0.00 | \*\*\* |
| elevation-poly | 4 | 317.96 | 17.63 | NA | FALSE | 0.79 | NA | 0.30 | 4 | 317.41 | 326.89 | -154.71 | 309.41 | 130.84 | 2 | 0.00 | \*\*\* |
| region | 4 | 446.39 | 146.06 | NA | FALSE | 0.05 | NA | 0.01 | 4 | 445.85 | 455.32 | -218.92 | 437.85 | 2.41 | 2 | 0.30 |  |
| season | 3 | 446.52 | 146.19 | NA | FALSE | 0.00 | NA | 0.00 | 3 | 446.20 | 453.31 | -220.10 | 440.20 | 0.06 | 1 | 0.81 |  |
| elevation + region | 5 | 329.51 | 29.19 | NA | FALSE | 0.63 | NA | 0.28 | 5 | 328.69 | 340.54 | -159.35 | 318.69 | 121.56 | 3 | 0.00 | \*\*\* |
| elevation \* region | 7 | 328.48 | 28.15 | NA | FALSE | 0.65 | NA | 0.29 | 7 | 326.90 | 343.49 | -156.45 | 312.90 | 127.36 | 5 | 0.00 | \*\*\* |
| elevation + season | 4 | 349.31 | 48.99 | NA | FALSE | 0.60 | NA | 0.23 | 4 | 348.77 | 358.25 | -170.38 | 340.77 | 99.49 | 2 | 0.00 | \*\*\* |
| elevation \* season | 5 | 350.95 | 50.63 | NA | FALSE | 0.59 | NA | 0.23 | 5 | 350.13 | 361.98 | -170.07 | 340.13 | 100.12 | 3 | 0.00 | \*\*\* |
| elevation-poly + region | 6 | 300.32 | 0.00 | NA | TRUE | 0.79 | NA | 0.35 | 6 | 299.16 | 313.37 | -143.58 | 287.16 | 153.10 | 4 | 0.00 | \*\*\* |
| elevation-poly \* region | 10 | NA | NA | NA | NA | 0.86 | NA | NA | 10 | NA | NA | NA | NA | NA | 8 | NA |  |
| elevation-poly + season | 5 | 320.15 | 19.83 | NA | FALSE | 0.79 | NA | 0.30 | 5 | 319.33 | 331.18 | -154.67 | 309.33 | 130.92 | 3 | 0.00 | \*\*\* |
| elevation-poly \* season | 7 | 320.06 | 19.74 | NA | FALSE | 0.79 | NA | 0.31 | 7 | 318.48 | 335.07 | -152.24 | 304.48 | 135.77 | 5 | 0.00 | \*\*\* |
| region + season | 5 | 448.45 | 148.13 | NA | FALSE | 0.06 | NA | 0.01 | 5 | 447.63 | 459.48 | -218.82 | 437.63 | 2.62 | 3 | 0.45 |  |
| region \* season | 7 | 451.57 | 151.25 | NA | FALSE | 0.09 | NA | 0.01 | 7 | 449.99 | 466.58 | -218.00 | 435.99 | 4.26 | 5 | 0.51 |  |
| elevation + region + season | 6 | 331.72 | 31.40 | NA | FALSE | 0.63 | NA | 0.28 | 6 | 330.56 | 344.77 | -159.28 | 318.56 | 121.70 | 4 | 0.00 | \*\*\* |
| elevation + region \* season | 9 | 331.61 | 31.29 | NA | FALSE | 0.61 | NA | 0.29 | 9 | 329.00 | 350.33 | -155.50 | 311.00 | 129.25 | 7 | 0.00 | \*\*\* |
| elevation \* region + season | 8 | 330.76 | 30.44 | NA | FALSE | 0.65 | NA | 0.29 | 8 | 328.70 | 347.66 | -156.35 | 312.70 | 127.55 | 6 | 0.00 | \*\*\* |
| elevation \* region \* season | 13 | 329.51 | 29.19 | NA | FALSE | 0.61 | NA | 0.32 | 13 | 323.91 | 354.71 | -148.95 | 297.91 | 142.35 | 11 | 0.00 | \*\*\* |
| elevation-poly + region + season | 7 | 302.53 | 2.20 | NA | FALSE | 0.79 | NA | 0.35 | 7 | 300.95 | 317.53 | -143.47 | 286.95 | 153.31 | 5 | 0.00 | \*\*\* |
| elevation-poly + region \* season | 11 | NA | NA | NA | NA | 0.79 | NA | NA | 11 | NA | NA | NA | NA | NA | 9 | NA |  |
| elevation-poly \* region + season | 11 | NA | NA | NA | NA | 0.86 | NA | NA | 11 | NA | NA | NA | NA | NA | 9 | NA |  |
| elevation-poly \* region \* season | 19 | 310.62 | 10.30 | NA | FALSE | 0.86 | NA | 0.41 | 19 | 297.74 | 342.76 | -129.87 | 259.74 | 180.51 | 17 | 0.00 | \*\*\* |

| mod\_name | model\_df | AICc | delta | weight | best\_model | r2 | mod\_r2\_partial | d2 | aov\_df | aov\_aic | aov\_bic | aov\_log\_lik | aov\_deviance | aov\_chisq | aov\_chi\_df | aov\_pr\_chisq | aov\_signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| null | 2 | 541.86 | 121.13 | 0.00 | FALSE | 0.00 | NA | 0.00 | 2 | 541.70 | 546.44 | -268.85 | 537.70 | 0.00 | 0 | 1.00 |  |
| elevation | 3 | 458.20 | 37.48 | 0.00 | FALSE | 0.69 | NA | 0.16 | 3 | 457.88 | 464.99 | -225.94 | 451.88 | 85.82 | 1 | 0.00 | \*\*\* |
| elevation-poly | 4 | 429.63 | 8.91 | 0.01 | FALSE | 0.83 | NA | 0.22 | 4 | 429.09 | 438.57 | -210.55 | 421.09 | 116.61 | 2 | 0.00 | \*\*\* |
| region | 4 | 546.10 | 125.38 | 0.00 | FALSE | 0.00 | NA | 0.00 | 4 | 545.56 | 555.04 | -268.78 | 537.56 | 0.14 | 2 | 0.93 |  |
| season | 3 | 543.98 | 123.25 | 0.00 | FALSE | 0.00 | NA | 0.00 | 3 | 543.66 | 550.77 | -268.83 | 537.66 | 0.04 | 1 | 0.84 |  |
| elevation + region | 5 | 455.70 | 34.97 | 0.00 | FALSE | 0.71 | NA | 0.17 | 5 | 454.88 | 466.73 | -222.44 | 444.88 | 92.82 | 3 | 0.00 | \*\*\* |
| elevation \* region | 7 | 457.80 | 37.08 | 0.00 | FALSE | 0.72 | NA | 0.18 | 7 | 456.23 | 472.81 | -221.11 | 442.23 | 95.48 | 5 | 0.00 | \*\*\* |
| elevation + season | 4 | 460.03 | 39.30 | 0.00 | FALSE | 0.69 | NA | 0.16 | 4 | 459.49 | 468.97 | -225.74 | 451.49 | 86.21 | 2 | 0.00 | \*\*\* |
| elevation \* season | 5 | 462.28 | 41.55 | 0.00 | FALSE | 0.69 | NA | 0.16 | 5 | 461.46 | 473.30 | -225.73 | 451.46 | 86.24 | 3 | 0.00 | \*\*\* |
| elevation-poly + region | 6 | 429.50 | 8.77 | 0.01 | FALSE | 0.84 | NA | 0.23 | 6 | 428.33 | 442.55 | -208.17 | 416.33 | 121.37 | 4 | 0.00 | \*\*\* |
| elevation-poly \* region | 10 | 429.95 | 9.22 | 0.01 | FALSE | 0.93 | NA | 0.24 | 10 | 426.71 | 450.41 | -203.36 | 406.71 | 130.99 | 8 | 0.00 | \*\*\* |
| elevation-poly + season | 5 | 431.60 | 10.87 | 0.00 | FALSE | 0.83 | NA | 0.22 | 5 | 430.78 | 442.62 | -210.39 | 420.78 | 116.92 | 3 | 0.00 | \*\*\* |
| elevation-poly \* season | 7 | 432.26 | 11.53 | 0.00 | FALSE | 0.84 | NA | 0.23 | 7 | 430.68 | 447.26 | -208.34 | 416.68 | 121.02 | 5 | 0.00 | \*\*\* |
| region + season | 5 | 548.34 | 127.61 | 0.00 | FALSE | 0.01 | NA | 0.00 | 5 | 547.52 | 559.37 | -268.76 | 537.52 | 0.18 | 3 | 0.98 |  |
| region \* season | 7 | 550.73 | 130.00 | 0.00 | FALSE | 0.07 | NA | 0.00 | 7 | 549.15 | 565.74 | -267.58 | 535.15 | 2.55 | 5 | 0.77 |  |
| elevation + region + season | 6 | 457.95 | 37.22 | 0.00 | FALSE | 0.71 | NA | 0.17 | 6 | 456.78 | 471.00 | -222.39 | 444.78 | 92.92 | 4 | 0.00 | \*\*\* |
| elevation + region \* season | 9 | 457.79 | 37.06 | 0.00 | FALSE | 0.70 | NA | 0.19 | 9 | 455.18 | 476.51 | -218.59 | 437.18 | 100.52 | 7 | 0.00 | \*\*\* |
| elevation \* region + season | 8 | 460.12 | 39.39 | 0.00 | FALSE | 0.72 | NA | 0.18 | 8 | 458.06 | 477.02 | -221.03 | 442.06 | 95.64 | 6 | 0.00 | \*\*\* |
| elevation \* region \* season | 13 | 457.37 | 36.65 | 0.00 | FALSE | 0.69 | NA | 0.21 | 13 | 451.77 | 482.58 | -212.89 | 425.77 | 111.93 | 11 | 0.00 | \*\*\* |
| elevation-poly + region + season | 7 | 431.78 | 11.05 | 0.00 | FALSE | 0.84 | NA | 0.23 | 7 | 430.20 | 446.79 | -208.10 | 416.20 | 121.50 | 5 | 0.00 | \*\*\* |
| elevation-poly + region \* season | 11 | 429.91 | 9.18 | 0.01 | FALSE | 0.82 | NA | 0.25 | 11 | 425.97 | 452.03 | -201.98 | 403.97 | 133.73 | 9 | 0.00 | \*\*\* |
| elevation-poly \* region + season | 11 | 432.18 | 11.45 | 0.00 | FALSE | 0.93 | NA | 0.24 | 11 | 428.24 | 454.31 | -203.12 | 406.24 | 131.46 | 9 | 0.00 | \*\*\* |
| elevation-poly \* region \* season | 19 | 420.73 | 0.00 | 0.94 | TRUE | 0.91 | NA | 0.31 | 19 | 407.85 | 452.87 | -184.92 | 369.85 | 167.86 | 17 | 0.00 | \*\*\* |