**AVID data**

**#pairwise "inside\_slash" assesses if the slash matters by fence x species x year**

**Katie original data vs. short (< 16.5” in 2018). Data includes Mike’s data from gas\_line and wedge, and Katie’s data from boot and red\_pine.**

**emmeans(mod\_station\_pine,pairwise ~ inside\_slash | harv\_agg \* species \* year, type="response")**

full data has 654 deg freedom

full data vs. **short data**

$contrasts

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| harv\_agg=sta\_rd, | species=co, | year=2018: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | nonEst | NA | NA | NA | NA |  |

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| harv\_agg=red\_pine, | species=co, | year=2018: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | -2.02 | 2.13 | 654 | -0.947 | 0.3442 |  |

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| harv\_agg=red\_pine, | species=co, | year=2018: | short data |  |  |  |
| contrast | estimate | SE | df | t.ratio | p.value |  |
| no-yes | -1.589 | 2.07 | 725 | -0.766 | 0.4438 |  |

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| harv\_agg=sta\_rd, | species=rm, | year=2018: | |  | |  | |  | |  | |  |
|  | contrast | estimate | | SE | | df | | t.ratio | | p.value | |  |
|  | no - yes | -3.37 | | 2.71 | | 654 | | -1.244 | | 0.2139 | |  |
| harv\_agg=sta\_rd, | species=rm, | | year=2018: | | short data | |  | |  | |  | |
| contrast | estimate | | SE | | df | | t.ratio | | p.value | |  | |
| no-yes | -3.365 | | 2.60 | | 725 | | -1.296 | | 0.1954 | |  | |

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| harv\_agg=red\_pine, | species=rm, | year=2018: | |  | |  | |  | |  | |  |
|  | contrast | estimate | | SE | | df | | t.ratio | | p.value | |  |
|  | no - yes | 1.74 | | 2.03 | | 654 | | 0.855 | | 0.3927 | |  |
| harv\_agg=red\_pine, | species=rm, | | year=2018: | | short data | |  | |  | |  | |
| contrast | estimate | | SE | | df | | t.ratio | | p.value | |  | |
| no-yes | 1.258 | | 1.97 | | 725 | | 0.637 | | 0.5241 | |  | |

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| harv\_agg=sta\_rd, | species=sb, | year=2018: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | -1.45 | 1.52 | 654 | -0.953 | 0.3411 |  |

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| harv\_agg=sta\_rd, | species=sb, | year=2018: | short data |  |  |  |
| contrast | estimate | SE | df | t.ratio | p.value |  |
| no-yes | -1.718 | 1.47 | 725 | -1.172 | 0.2417 |  |

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| harv\_agg=red\_pine, | species=sb, | year=2018: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | nonEst | NA | NA | NA | NA |  |

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| harv\_agg=sta\_rd, | species=co, | year=2019: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | nonEst | NA | NA | NA | NA |  |

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| harv\_agg=red\_pine, | species=co, | year=2019: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | -3.36 | 2.13 | 654 | -1.575 | 0.1157 |  |

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| harv\_agg=sta\_rd, | species=rm, | year=2019: | |  | |  | |  | |  | |  |
|  | contrast | estimate | | SE | | df | | t.ratio | | p.value | |  |
|  | no - yes | -6.37 | | 2.71 | | 654 | | -2.356 | | 0.0188 | |  |
| harv\_agg=sta\_rd, | species=rm, | | year=2019: | | short data | |  | |  | |  | |
| contrast | estimate | | SE | | df | | t.ratio | | p.value | |  | |
| no-yes | -6.373 | | 2.60 | | 725 | | -2.454 | | 0.0143 | |  | |

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| harv\_agg=red\_pine, | species=rm, | year=2019: | |  | |  | |  | |  | |  |
|  | contrast | estimate | | SE | | df | | t.ratio | | p.value | |  |
|  | no - yes | 2.19 | | 2.10 | | 654 | | 1.044 | | 0.2968 | |  |
| harv\_agg=red\_pine, | species=rm, | | year=2019: | | short data | |  | |  | |  | |
| contrast | estimate | | SE | | df | | t.ratio | | p.value | |  | |
| no-yes | 1.692 | | 2.04 | | 725 | | 0.829 | | 0.4071 | |  | |

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| harv\_agg=sta\_rd, | species=sb, | year=2019: | |  | |  | |  | |  | |  |
|  | contrast | estimate | | SE | | df | | t.ratio | | p.value | |  |
|  | no - yes | -3.33 | | 1.65 | | 654 | | -2.021 | | 0.0437 | |  |
| harv\_agg=sta\_rd, | species=sb, | | year=2019: | | short data | |  | |  | |  | |
| contrast | estimate | | SE | | df | | t.ratio | | p.value | |  | |
| no-yes | -3.874 | | 1.59 | | 725 | | -2.436 | | 0.0151 | |  | |

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| harv\_agg=red\_pine, | species=sb, | year=2019: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | nonEst | NA | NA | NA | NA |  |

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| harv\_agg=sta\_rd, | species=co, | year=2020: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | nonEst | NA | NA | NA | NA |  |

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| harv\_agg=red\_pine, | species=co, | year=2020: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | -5.51 | 2.19 | 654 | -2.512 | 0.0123 |  |

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| harv\_agg=red\_pine, | species=co, | year=2020: | short data |  |  |  |
| contrast | estimate | SE | df | t.ratio | p.value |  |
| no-yes | -5.072 | 2.13 | 725 | -2.380 | 0.0176 |  |

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| harv\_agg=sta\_rd, | species=rm, | year=2020: | |  | |  | |  | |  | |  |
|  | contrast | estimate | | SE | | df | | t.ratio | | p.value | |  |
|  | no - yes | -7.10 | | 3.17 | | 654 | | -2.240 | | 0.0254 | |  |
| harv\_agg=sta\_rd, | species=rm, | | year=2020: | | short data | |  | |  | |  | |
| contrast | estimate | | SE | | df | | t.ratio | | p.value | |  | |
| no-yes | -7.102 | | 3.04 | | 725 | | -2.334 | | 0.0199 | |  | |

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| harv\_agg=red\_pine, | species=rm, | year=2020: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | 5.37 | 2.05 | 654 | 2.628 | 0.0088 |  |

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| harv\_agg=red\_pine, | species=rm, | year=2020: | short data |  |  |  |
| contrast | estimate | SE | df | t.ratio | p.value |  |
| no-yes | 3.577 | 2.01 | 725 | 1.777 | 0.0759 |  |

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| harv\_agg=sta\_rd, | species=sb, | year=2020: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | 3.54 | 1.67 | 654 | 2.120 | 0.0344 |  |

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| harv\_agg=sta\_rd, | species=sb, | year=2020: | short data |  |  |  |
| contrast | estimate | SE | df | t.ratio | p.value |  |
| no-yes | 2.403 | 1.62 | 725 | 1.485 | 0.1381 |  |

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| harv\_agg=red\_pine, | species=sb, | year=2020: |  |  |  |  |  |
|  | contrast | estimate | SE | df | t.ratio | p.value |  |
|  | no - yes | nonEst | NA | NA | NA | NA |  |