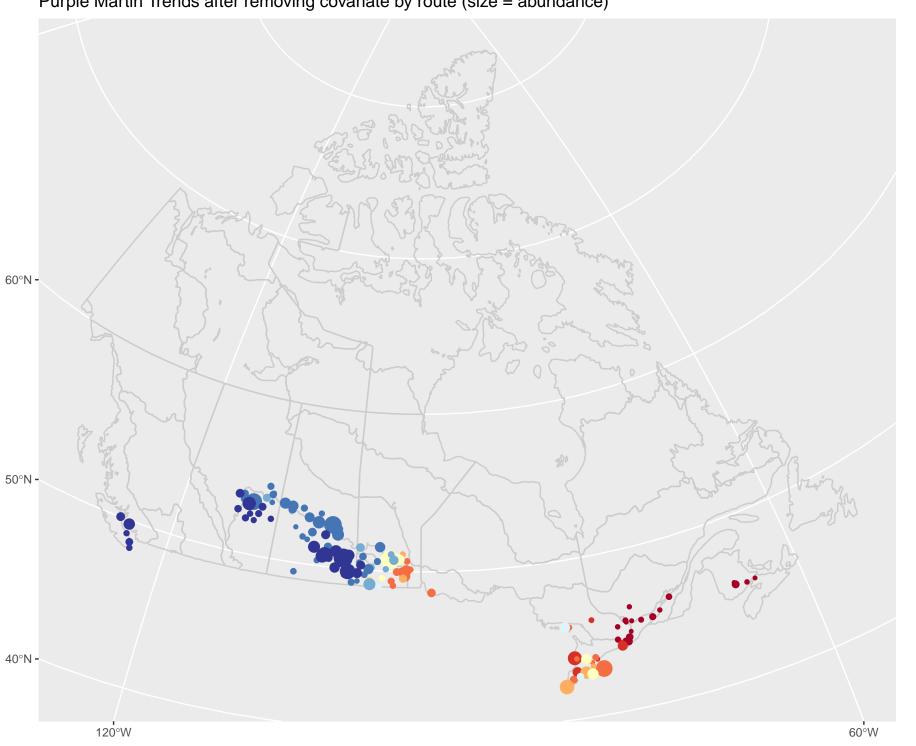
## Purple Martin Trends after removing covariate by route (size = abundance)



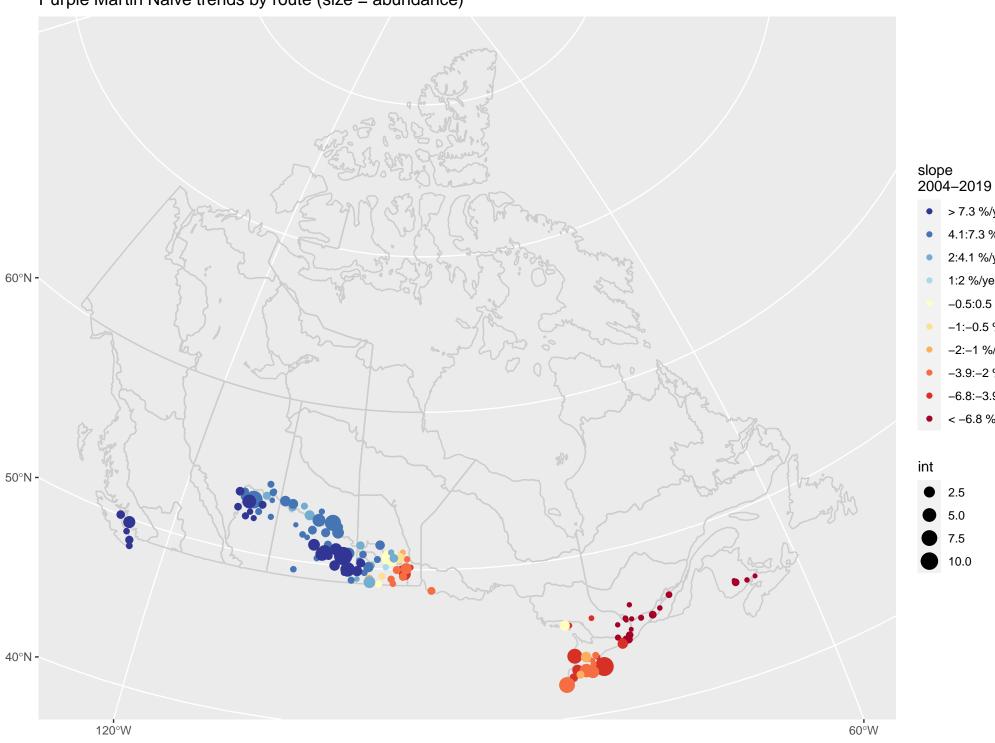
slope 2004–2019

- > 7.3 %/year
- 4.1:7.3 %/year
- 2:4.1 %/year
  - 0.5:1 %/year
- -0.5:0.5 %/year
- -1:-0.5 %/year
- -2:-1 %/year
- -3.9:-2 %/year
- -6.8:-3.9 %/year
- < -6.8 %/year

int

- 2.5
- 5.0
- 7.5

## Purple Martin Naive trends by route (size = abundance)



• > 7.3 %/year 4.1:7.3 %/year 2:4.1 %/year

1:2 %/year

2.5 5.0 7.5 10.0

-0.5:0.5 %/year -1:-0.5 %/year -2:-1 %/year -3.9:-2 %/year -6.8:-3.9 %/year < -6.8 %/year

## Purple Martin Effect of covariate on trend (, size = abundance)

