subsection_species_abundance

You can add options to executable code like this

```
# | label: plot-fractions
# Make sure 'species' column exists
stopifnot("species" %in% names(nero_subsection_species))

species_list <- unique(nero_subsection_species$species)

for (sp in species_list) {
   data_sp <- dplyr::filter(nero_subsection_species, species == sp)
   if (nrow(data_sp) < 2) next

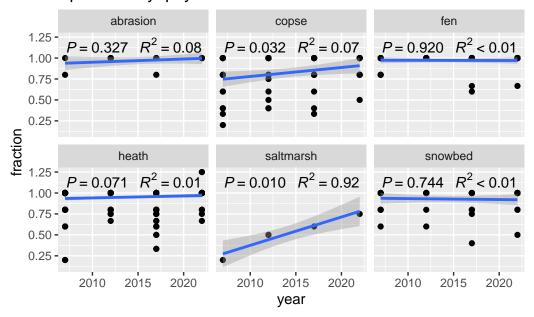
try({
   p <- ggplot(data_sp, aes(x = year, y = fraction)) +
        geom_point() +
        geom_smooth(method = "lm") +
        ggpmisc::stat_poly_eq(</pre>
```

```
aes(label = paste(..p.value.label.., ..rr.label.., ..eq.label.., sep = "~~~")),
    formula = y ~ x,
    parse = TRUE
    ) +
    facet_wrap(~veg_type) +
    ggtitle(paste("Species:", sp))
    print(p)
})
```

Warning: The dot-dot notation (`..p.value.label..`) was deprecated in ggplot2 3.4.0. i Please use `after_stat(p.value.label)` instead.

`geom_smooth()` using formula = 'y ~ x'

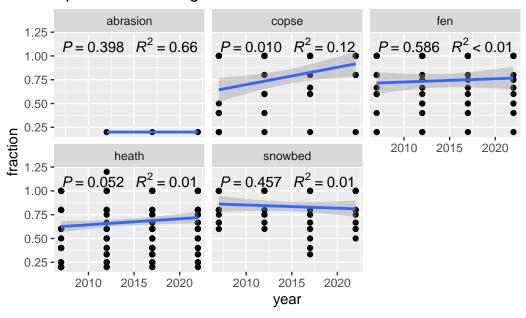
Species: Bryophyte



`geom_smooth()` using formula = 'y ~ x'

Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

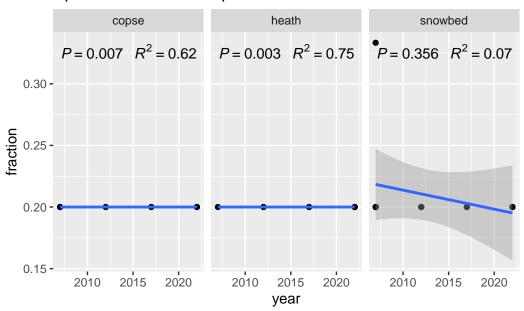
Species: Carex bigelowii



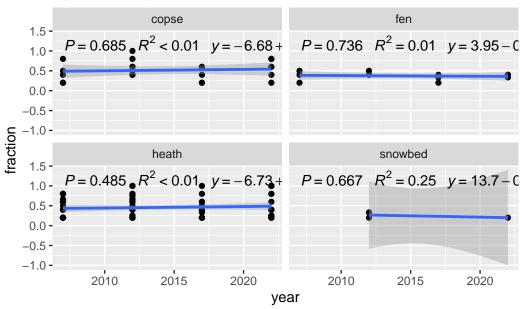
`geom_smooth()` using formula = 'y ~ x'

Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

Species: Cerastium alpinum

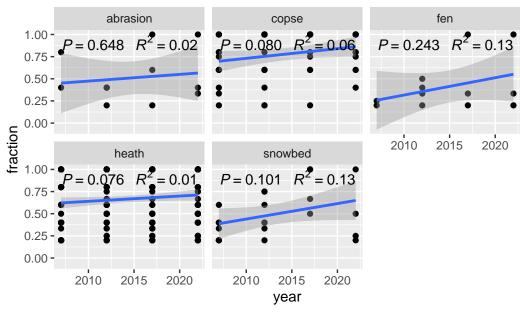


Species: Coptis trifolia

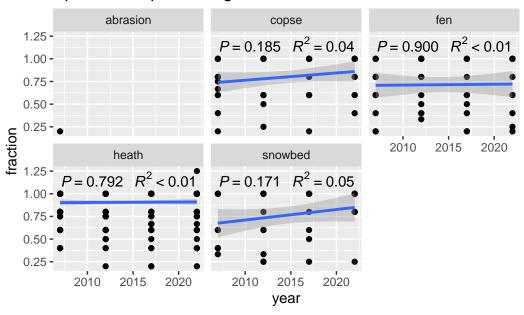


`geom_smooth()` using formula = 'y ~ x'

Species: Deschampsia flexuosa

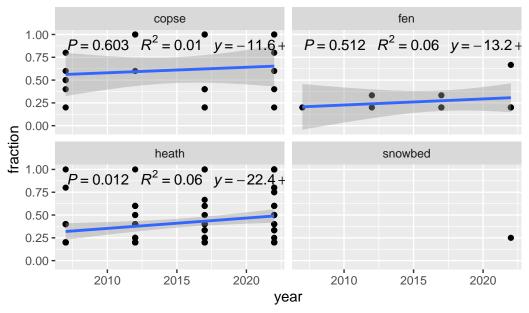


Species: Empetrum nigrum

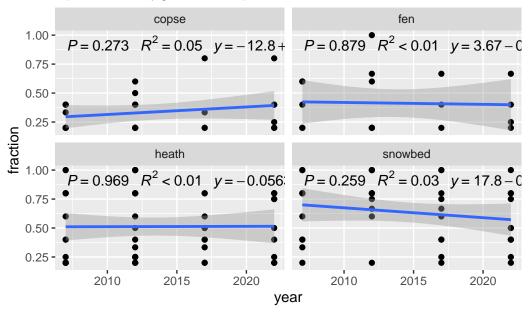


`geom_smooth()` using formula = 'y ~ x'

Species: Lycopodium annotinum

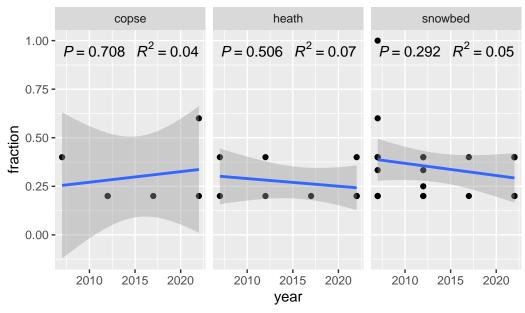


Species: Polygonum vivipara



`geom_smooth()` using formula = 'y ~ x'

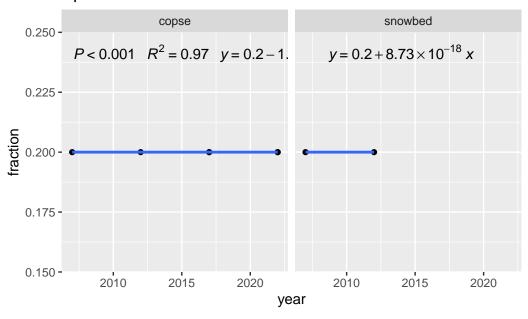
Species: Pyrola minor



Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): essentially perfect fit: summary may be unreliable

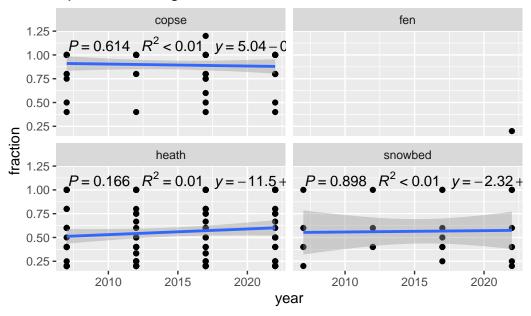
Warning in max(ids, na.rm = TRUE): no non-missing arguments to max; returning -Inf

Species: Rhodiola rosea



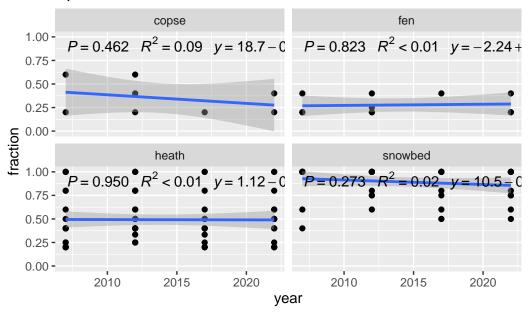
`geom_smooth()` using formula = 'y ~ x'

Species: Salix glauca



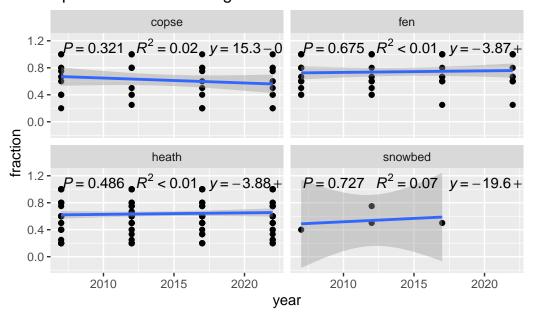
`geom_smooth()` using formula = 'y ~ x'

Species: Salix herbacea



[`]geom_smooth()` using formula = 'y ~ x'

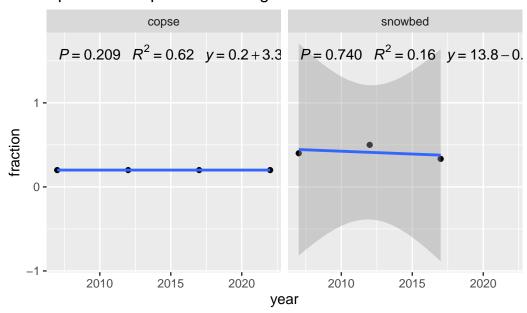
Species: Vaccinium uliginosum



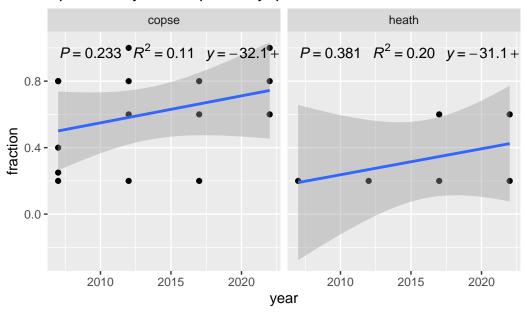
`geom_smooth()` using formula = 'y ~ x'

Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

Species: Gnaphalium norvegicum

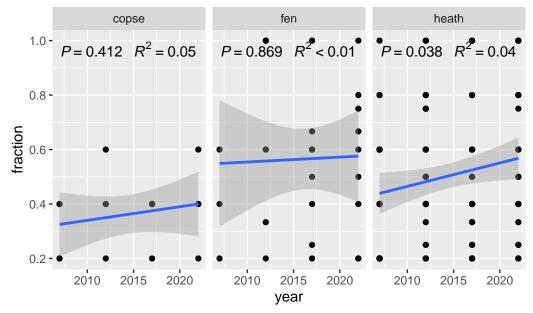


Species: Gymnocarpium dryopteris



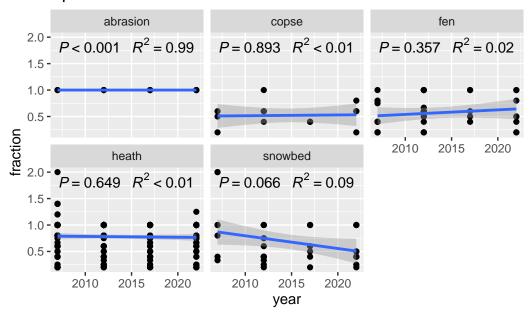
`geom_smooth()` using formula = 'y ~ x'

Species: Ledum groenlandicum



Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

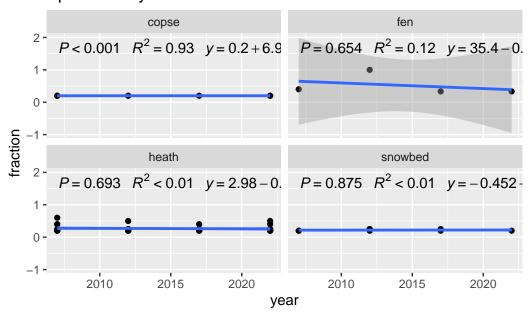
Species: Lichen



`geom_smooth()` using formula = 'y ~ x'

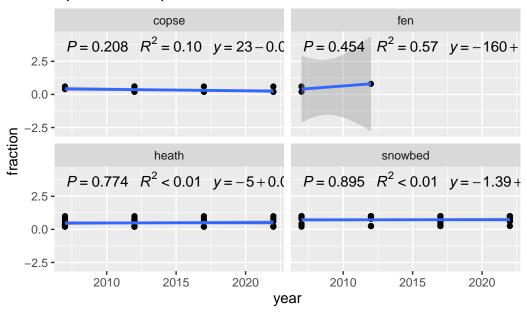
Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

Species: Phyllodoce coerulea



`geom_smooth()` using formula = 'y ~ x'

Species: Poa pratensis

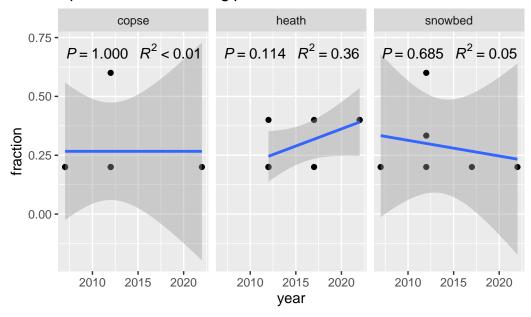


[`]geom_smooth()` using formula = 'y ~ x'

Warning in $ci_f_ncp(stat, df1 = df1, df2 = df2, probs = probs)$: Upper limit outside search range. Set to the maximum of the parameter range.

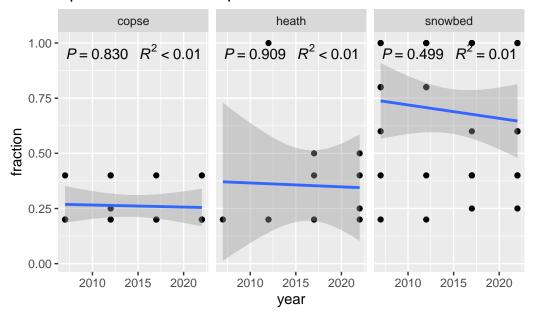
Warning in compute_group(...): CI computation error: Error in check_output(cint, probs = pro

Species: Stellaria longipes



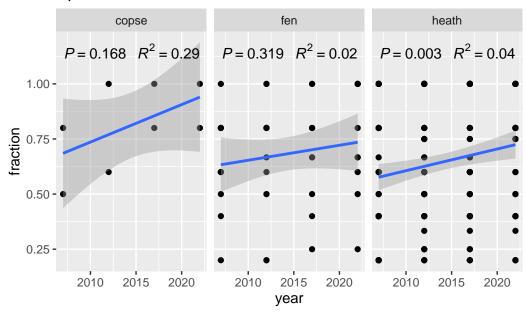
[`]geom_smooth()` using formula = 'y ~ x'

Species: Taraxacum sp



`geom_smooth()` using formula = 'y ~ x'

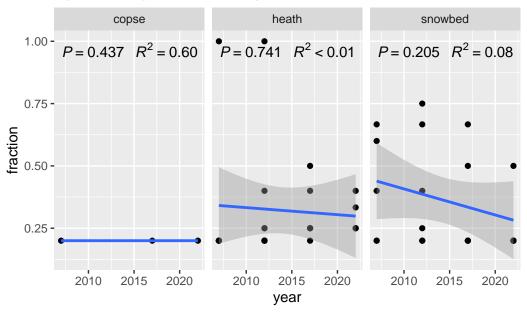
Species: Betula nana



[`]geom_smooth()` using formula = 'y ~ x'

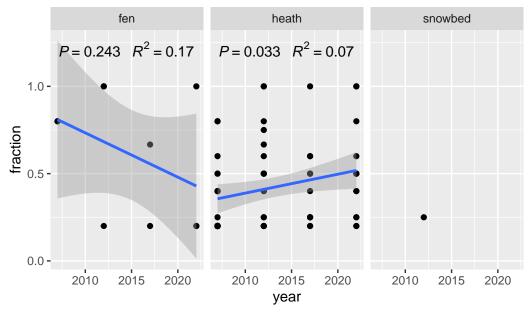
Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

Species: Diphasiastrum alpinum

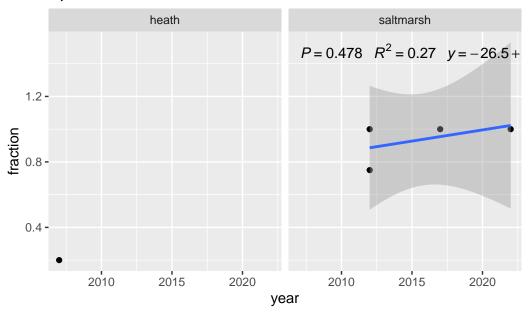


`geom_smooth()` using formula = 'y ~ x'

Species: Loiseleuria procumbens

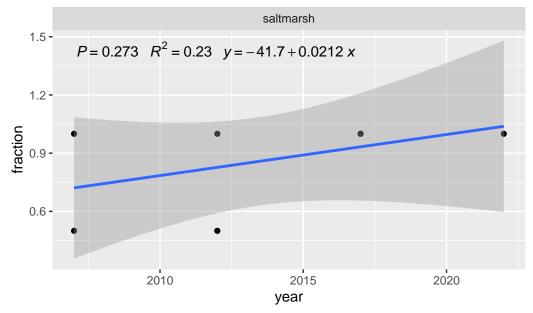


Species: Festuca rubra



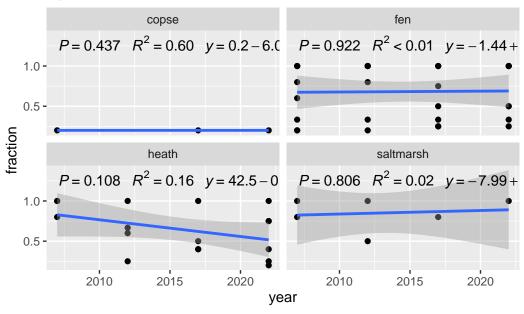
`geom_smooth()` using formula = 'y ~ x'

Species: Carex glareosa



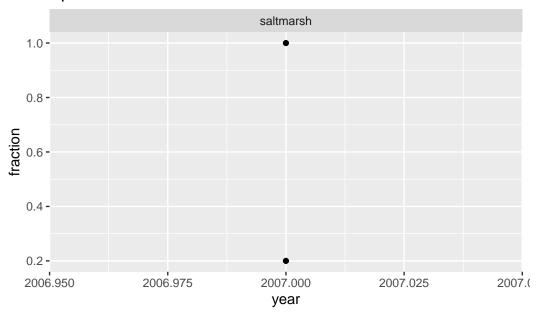
Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

Species: Carex rariflora



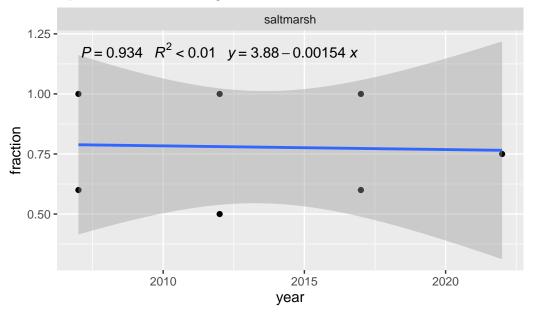
[`]geom_smooth()` using formula = 'y ~ x'

Species: Carex salina



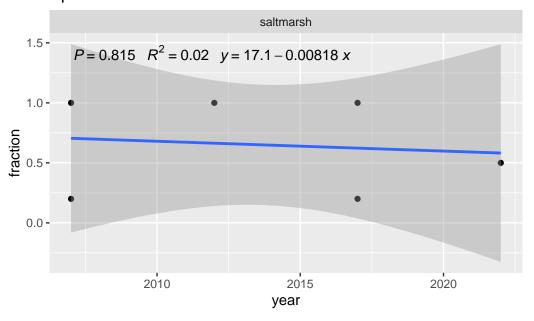
`geom_smooth()` using formula = 'y ~ x'

Species: Potentilla egedii



[`]geom_smooth()` using formula = 'y ~ x'

Species: Stellaria humifusa

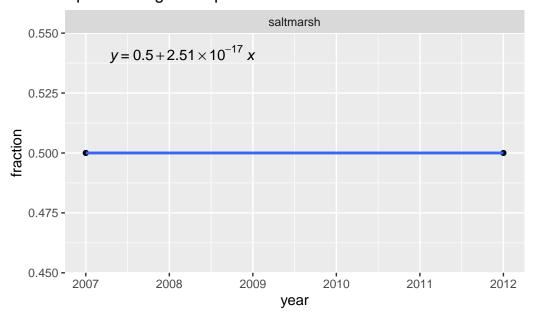


`geom_smooth()` using formula = 'y ~ x'

Warning in qt((1 - level)/2, df): NaNs produced

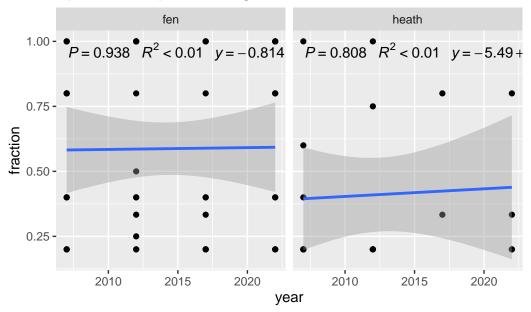
Warning in $\max(ids, na.rm = TRUE)$: no non-missing arguments to \max ; returning -Inf

Species: Triglochin palustre



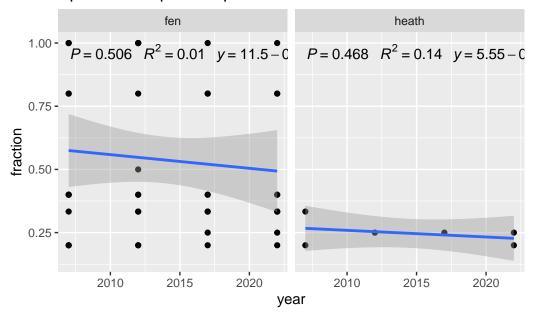
`geom_smooth()` using formula = 'y ~ x'

Species: Eriophorum angustifolium



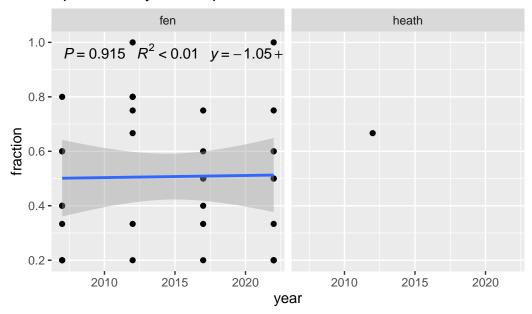
[`]geom_smooth()` using formula = 'y ~ x'

Species: Scirpis caespitosus



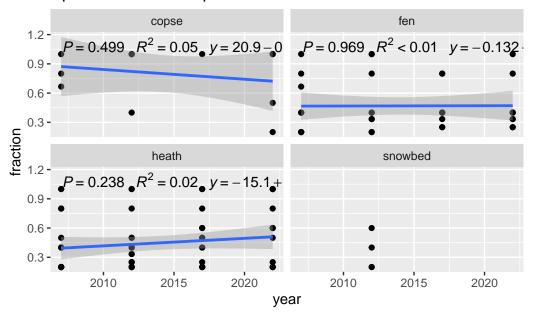
`geom_smooth()` using formula = 'y ~ x'

Species: Oxycoccus palustris



[`]geom_smooth()` using formula = 'y ~ x'

Species: Salix arctophila

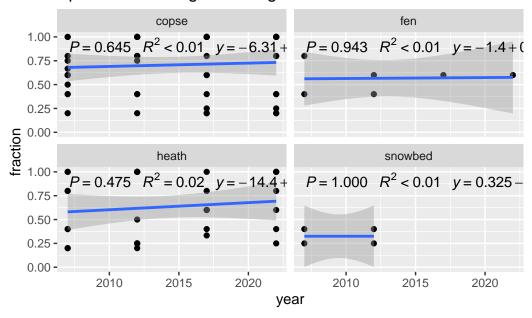


`geom_smooth()` using formula = 'y ~ x'

Warning in $ci_f_ncp(stat, df1 = df1, df2 = df2, probs = probs)$: Upper limit outside search range. Set to the maximum of the parameter range.

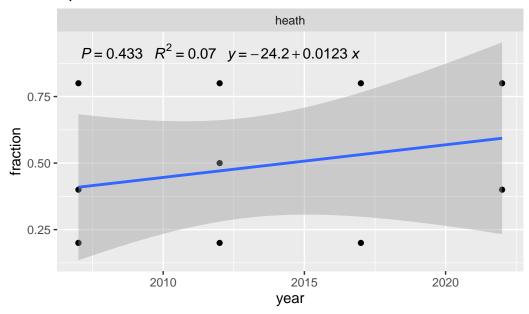
Warning in compute_group(...): CI computation error: Error in check_output(cint, probs = pro

Species: Calamagrostis langsdorfii



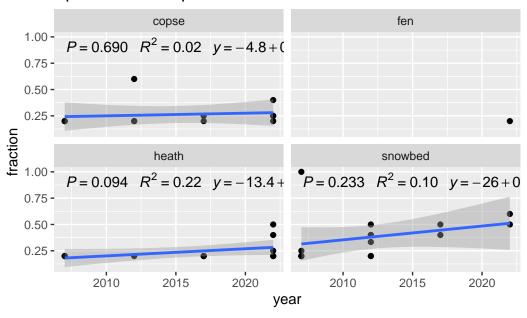
`geom_smooth()` using formula = 'y ~ x'

Species: Cornus suecica



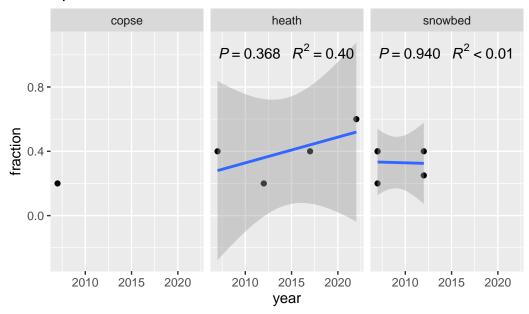
[`]geom_smooth()` using formula = 'y ~ x'

Species: Luzula parviflora



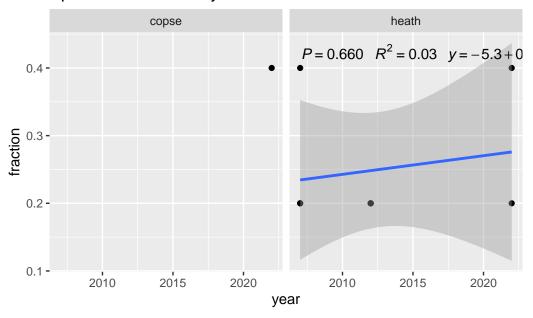
`geom_smooth()` using formula = 'y ~ x'

Species: Phleum commutatum



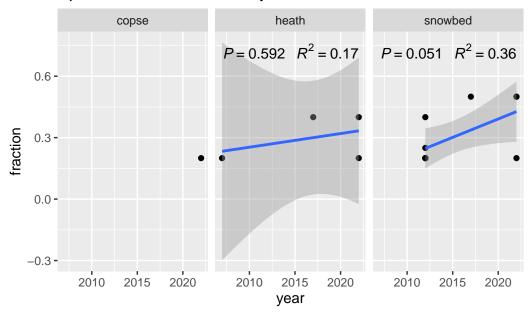
[`]geom_smooth()` using formula = 'y ~ x'

Species: Stellaria calycantha



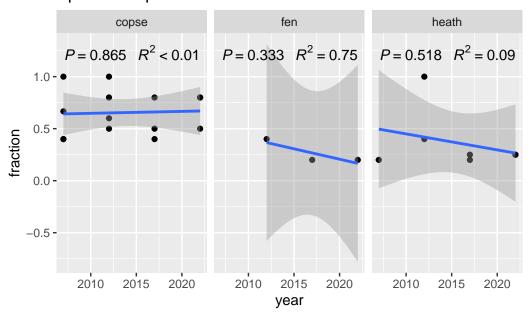
`geom_smooth()` using formula = 'y ~ x'

Species: Veronica wormskjoldii



[`]geom_smooth()` using formula = 'y ~ x'

Species: Equisetum silvaticum



`geom_smooth()` using formula = 'y ~ x'

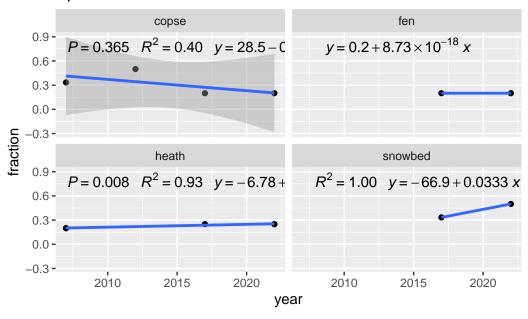
Warning in qt((1 - level)/2, df): NaNs produced

Warning in qt((1 - level)/2, df): NaNs produced

Warning in max(ids, na.rm = TRUE): no non-missing arguments to max; returning -Inf

Warning in max(ids, na.rm = TRUE): no non-missing arguments to max; returning -Inf

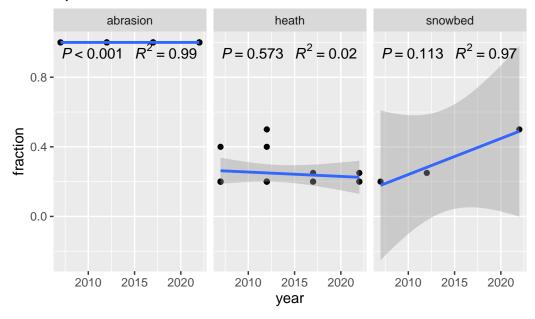
Species: Luzula multiflora



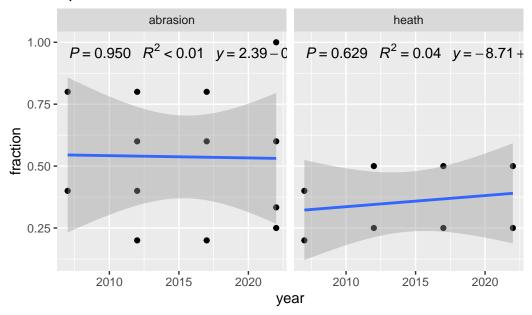
`geom_smooth()` using formula = 'y ~ x'

Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

Species: Juncus trifidus



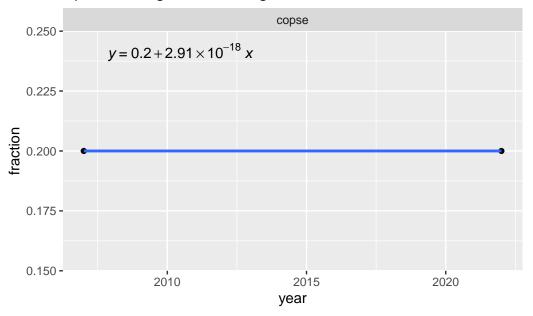
Species: Potentilla tridentata



`geom_smooth()` using formula = 'y ~ x'

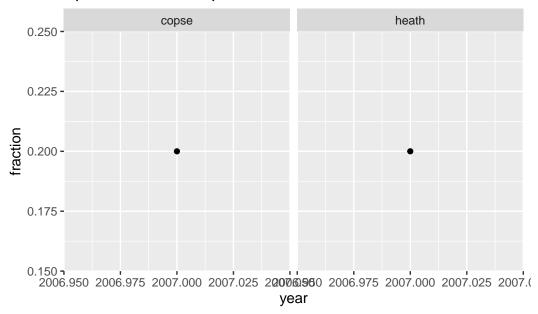
Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): no non-missing arguments to max; returning -Inf

Species: Angelica archangelica



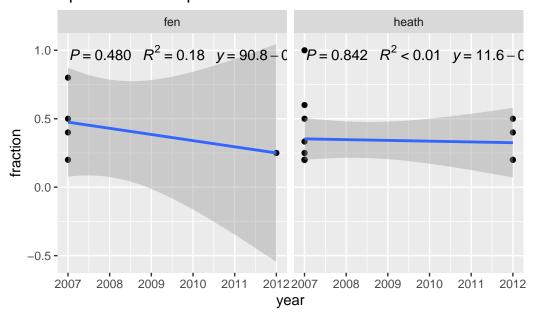
`geom_smooth()` using formula = 'y ~ x'

Species: Stellaria sp



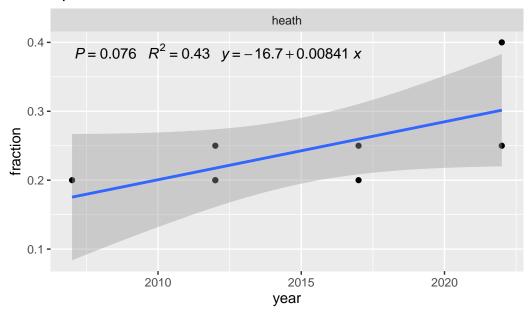
[`]geom_smooth()` using formula = 'y ~ x'

Species: Ledum palustre



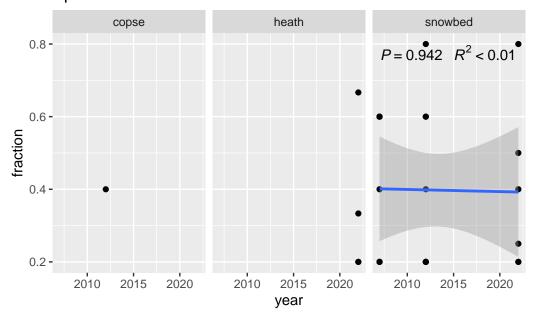
`geom_smooth()` using formula = 'y ~ x'

Species: Carex deflexa



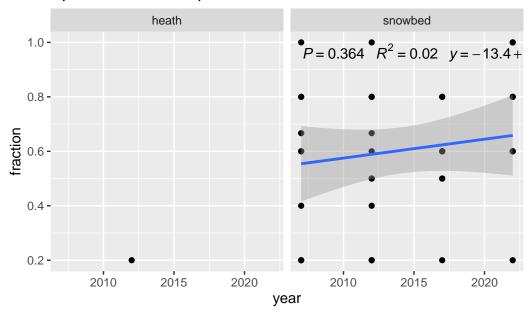
[`]geom_smooth()` using formula = 'y ~ x'

Species: Rock



`geom_smooth()` using formula = 'y ~ x'

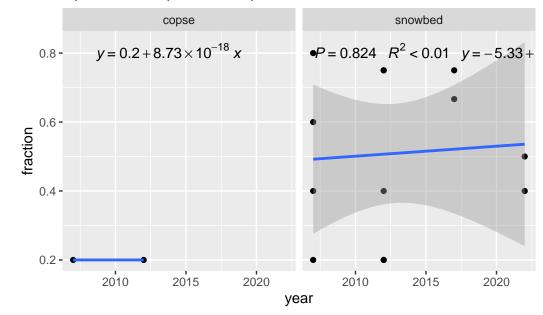
Species: Sibbaldia procumbens



[`]geom_smooth()` using formula = 'y ~ x'

Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): no non-missing arguments to max; returning -Inf

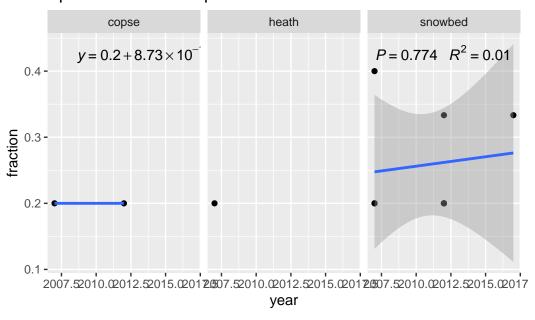
Species: Gnaphalium supinum



[`]geom_smooth()` using formula = 'y ~ x'

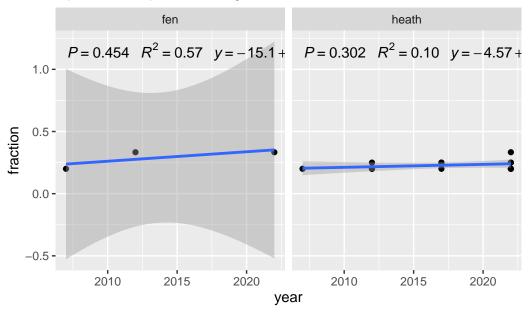
Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): no non-missing arguments to max; returning -Inf

Species: Veronica alpina



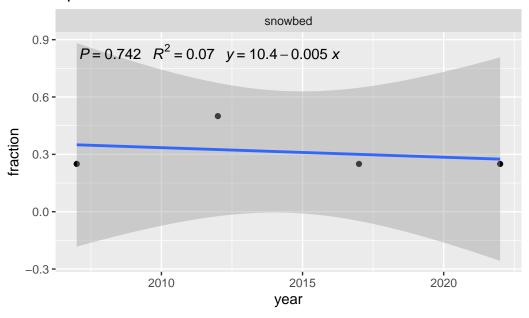
`geom_smooth()` using formula = 'y ~ x'

Species: Huperzia selago



[`]geom_smooth()` using formula = 'y ~ x'

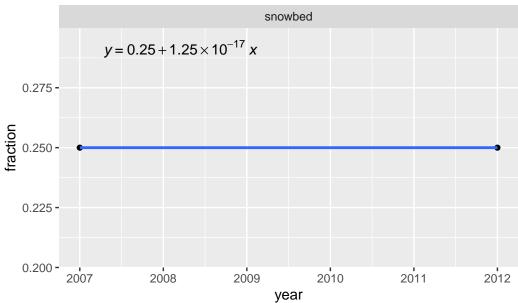
Species: Carex lachenalii



`geom_smooth()` using formula = 'y ~ x'

Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): no non-missing arguments to max; returning -Inf

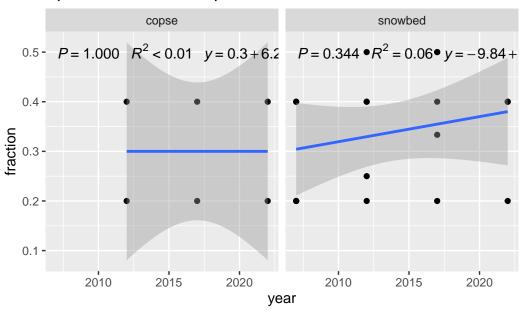
Species: Saxifraga foliolosa



Warning in $ci_f_ncp(stat, df1 = df1, df2 = df2, probs = probs)$: Upper limit outside search range. Set to the maximum of the parameter range.

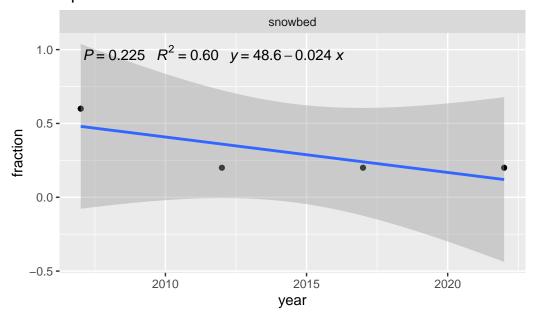
Warning in compute_group(...): CI computation error: Error in check_output(cint, probs = pro

Species: Alchemilla alpina



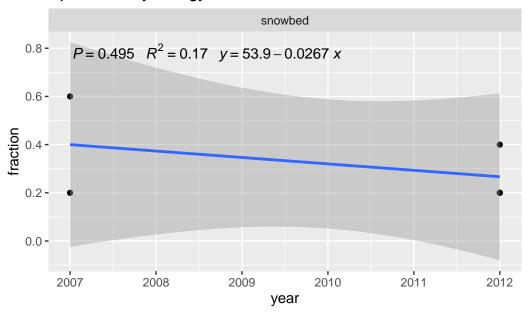
`geom_smooth()` using formula = 'y ~ x'

Species: Chamaenerion latifolium



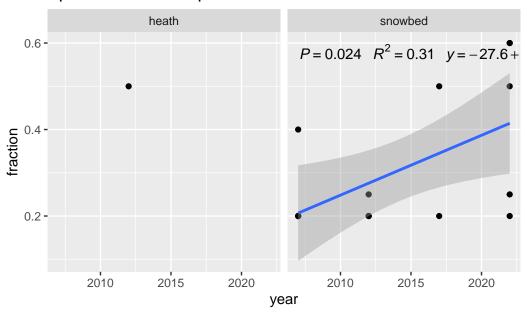
`geom_smooth()` using formula = 'y ~ x'

Species: Oxyria digyna



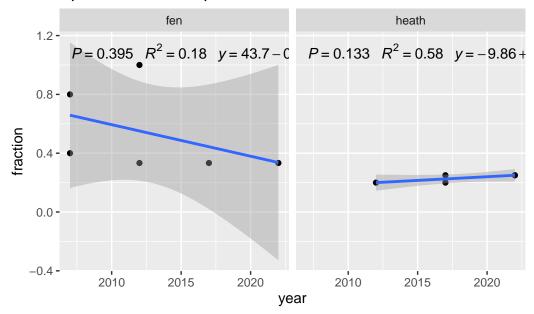
[`]geom_smooth()` using formula = 'y ~ x'

Species: Trisetum spicatum



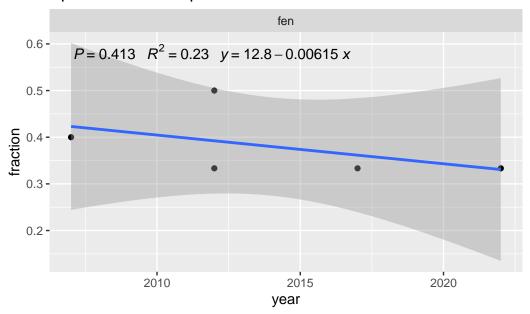
`geom_smooth()` using formula = 'y ~ x'

Species: Bartsia alpina



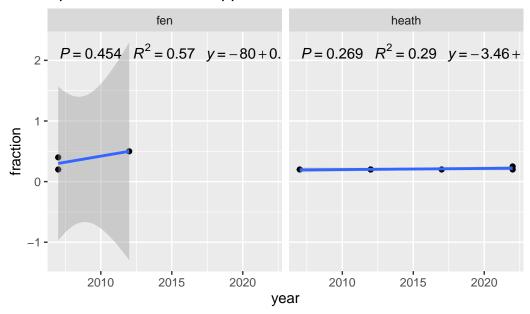
[`]geom_smooth()` using formula = 'y ~ x'

Species: Carex capillaris



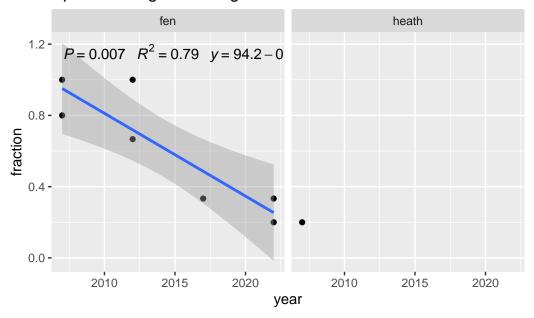
`geom_smooth()` using formula = 'y ~ x'

Species: Pedicularis Iapponica



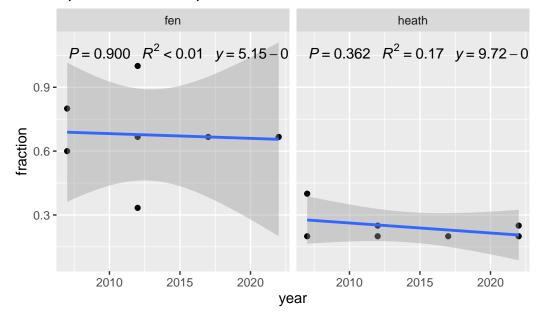
[`]geom_smooth()` using formula = 'y ~ x'

Species: Pinguicula vulgaris



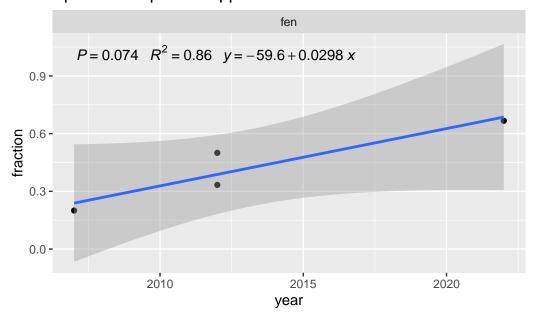
`geom_smooth()` using formula = 'y ~ x'

Species: Tofieldia pusilla



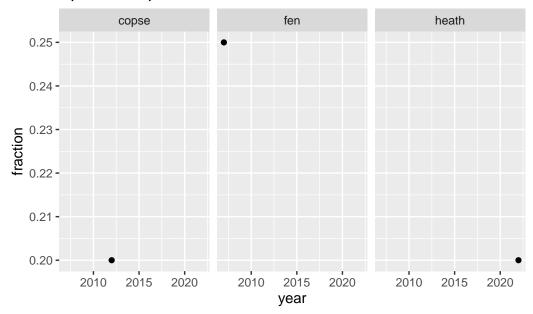
[`]geom_smooth()` using formula = 'y ~ x'

Species: Diapensia Iapponica



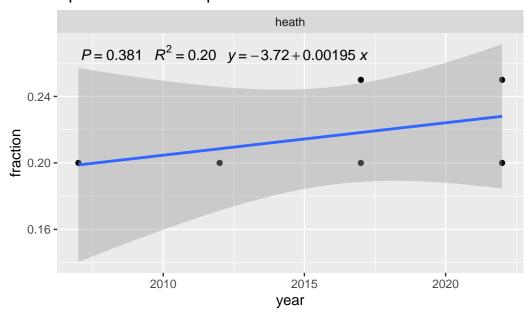
`geom_smooth()` using formula = 'y ~ x'

Species: Equisetum arvense



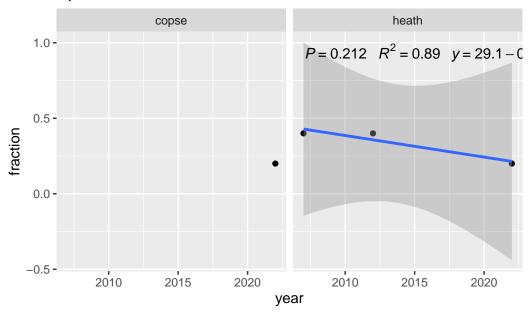
[`]geom_smooth()` using formula = 'y ~ x'

Species: Carex scirpoidea



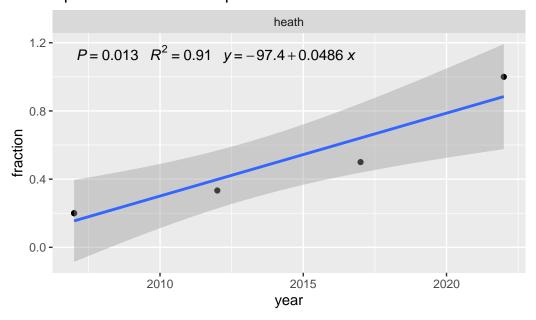
`geom_smooth()` using formula = 'y ~ x'

Species: Listera cordata



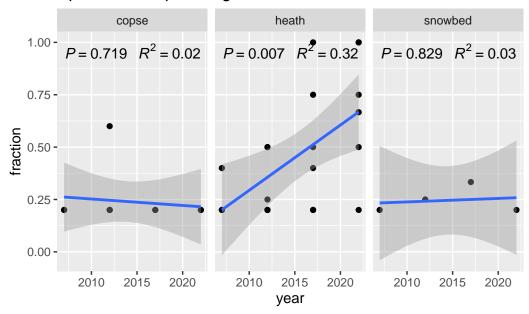
[`]geom_smooth()` using formula = 'y ~ x'

Species: Hierochloë alpina



`geom_smooth()` using formula = 'y ~ x'

Species: Campanula gieseckiana

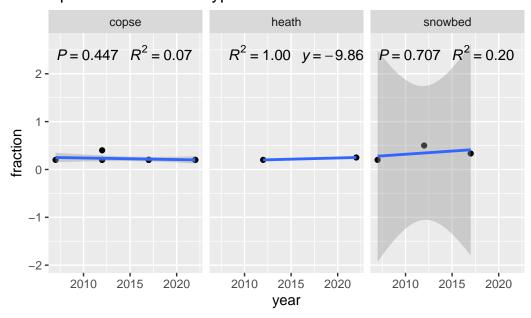


[`]geom_smooth()` using formula = 'y ~ x'

Warning in qt((1 - level)/2, df): NaNs produced

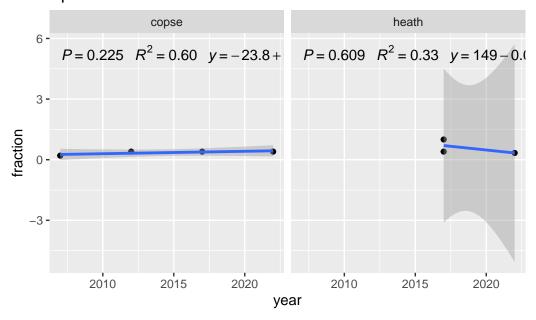
Warning in max(ids, na.rm = TRUE): no non-missing arguments to max; returning -Inf

Species: Hieracium hyparcticum



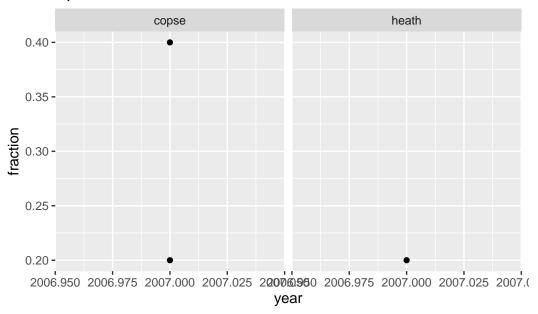
[`]geom_smooth()` using formula = 'y ~ x'

Species: Poa nemoralis



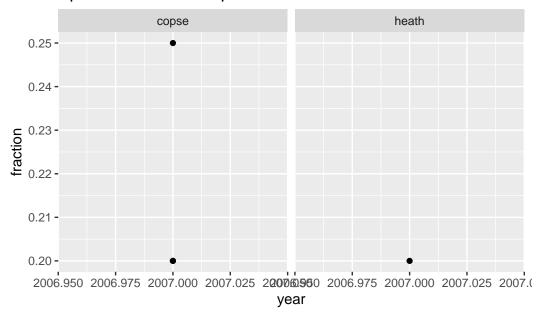
`geom_smooth()` using formula = 'y ~ x'

Species: Viola labradorica



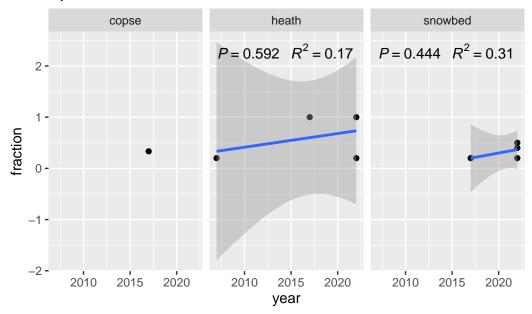
[`]geom_smooth()` using formula = 'y ~ x'

Species: Hieracium sp



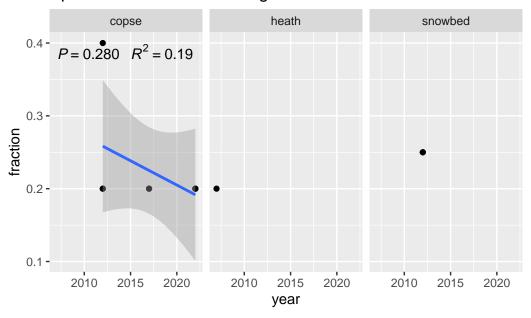
`geom_smooth()` using formula = 'y ~ x'

Species: Herb cfr



[`]geom_smooth()` using formula = 'y ~ x'

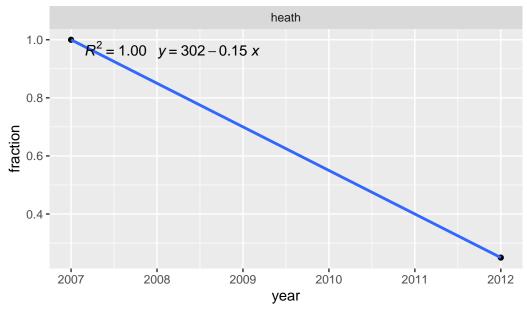
Species: Chamaenerion angustifolium



`geom_smooth()` using formula = 'y ~ x'

Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): no non-missing arguments to max; returning -Inf

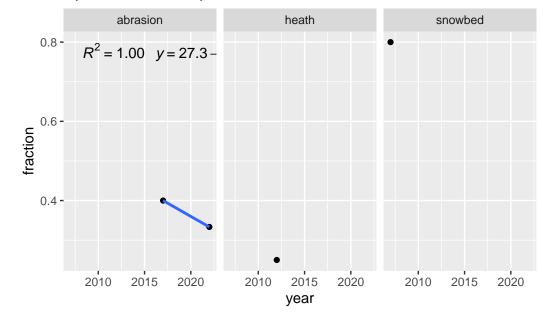
Species: Poa glauca



`geom_smooth()` using formula = 'y ~ x'

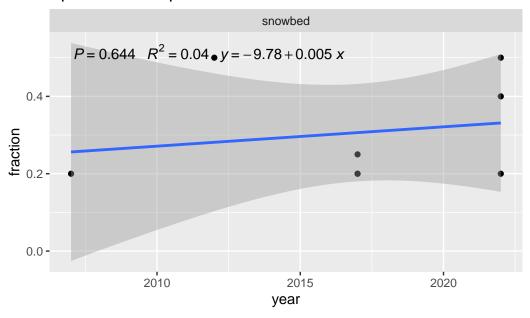
Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): no non-missing arguments to max; returning -Inf

Species: Luzula spicata



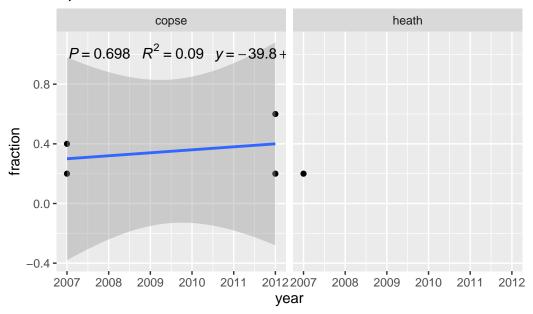
`geom_smooth()` using formula = 'y ~ x'

Species: Poa alpina



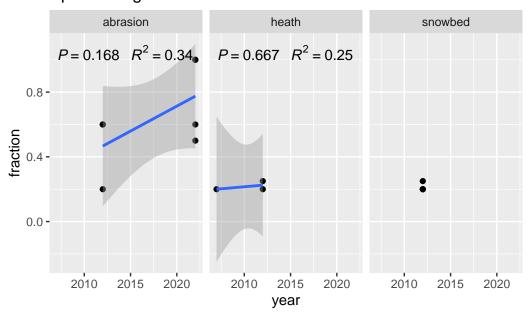
`geom_smooth()` using formula = 'y ~ x'

Species: Tricetum cfr



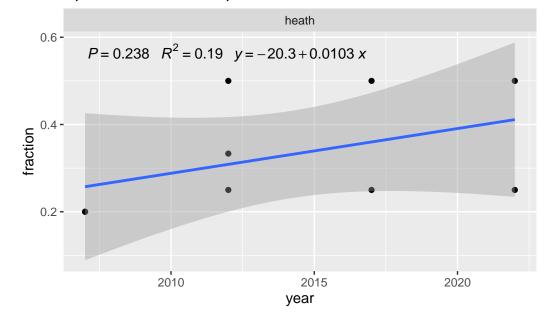
[`]geom_smooth()` using formula = 'y ~ x'

Species: Agrostis mertensii



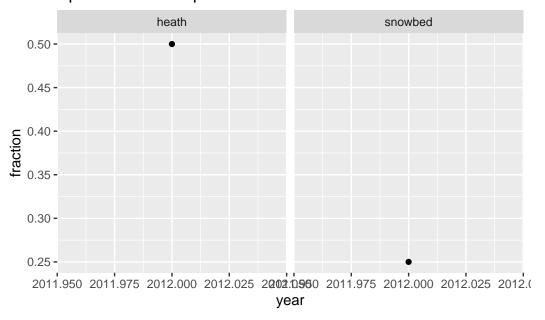
`geom_smooth()` using formula = 'y ~ x'

Species: Festuca vivipara



[`]geom_smooth()` using formula = 'y ~ x'

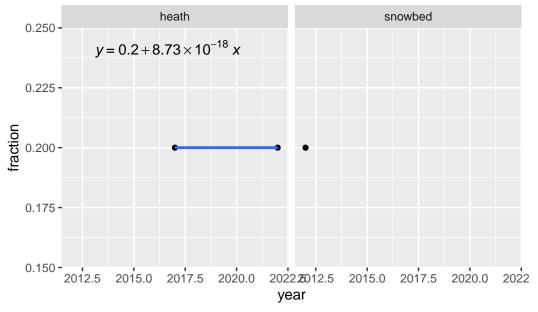
Species: Luzula sp



`geom_smooth()` using formula = 'y ~ x'

Warning in qt((1 - level)/2, df): NaNs produced Warning in qt((1 - level)/2, df): no non-missing arguments to max; returning -Inf

Species: Epilobium anagallidifolium



`geom_smooth()` using formula = 'y ~ x'

Warning in qt((1 - level)/2, df): NaNs produced

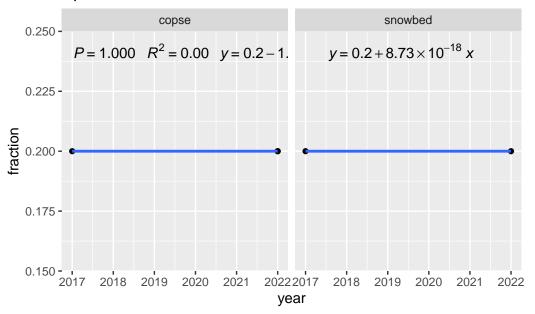
Warning in summary.lm(fm): essentially perfect fit: summary may be unreliable

Warning in $ci_f_ncp(stat, df1 = df1, df2 = df2, probs = probs)$: Upper limit outside search range. Set to the maximum of the parameter range.

Warning in compute_group(...): CI computation error: Error in check_output(cint, probs = pro

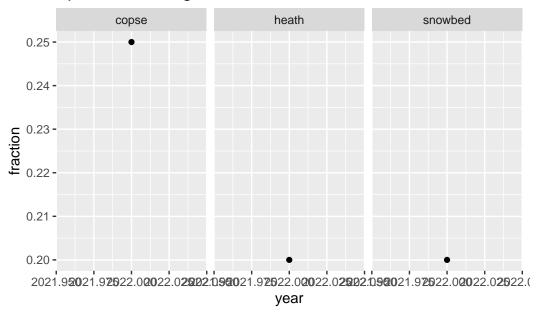
Warning in max(ids, na.rm = TRUE): no non-missing arguments to max; returning -Inf

Species: Potentilla crantzii



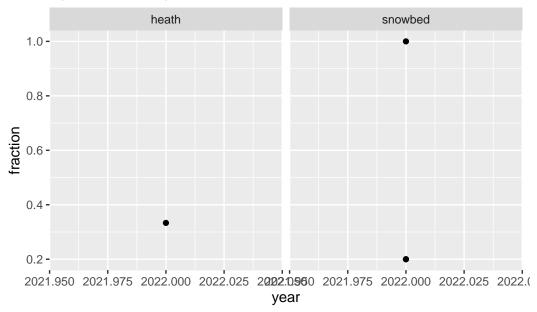
`geom_smooth()` using formula = 'y ~ x'

Species: seedling cfr



`geom_smooth()` using formula = 'y ~ x'

Species: Poa sp



[`]geom_smooth()` using formula = 'y ~ x'

Species: Festuca sp

