gem_scoring_17May2024.R

jpuka

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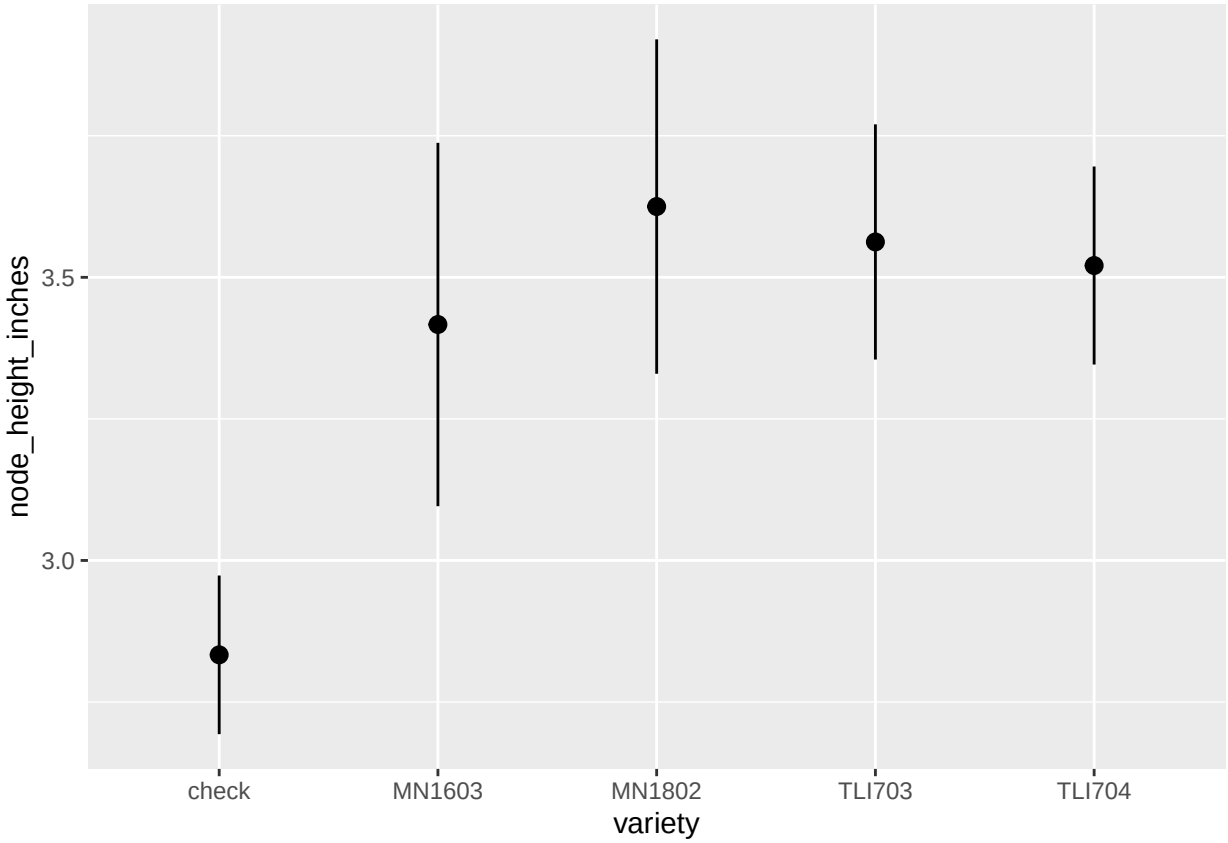
```
read.csv("GEM scoring 17May2024 by Jesse - Sheet1.csv") -> dat

read.csv("GEM scoring 17May2024 by Jesse - Sheet2.csv") -> trt_matrix

library(tidyverse)
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.3     v readr     2.1.4
## v forcats   1.0.0     v stringr   1.5.0
## v ggplot2   3.4.4     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.0
## v purrr     1.0.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

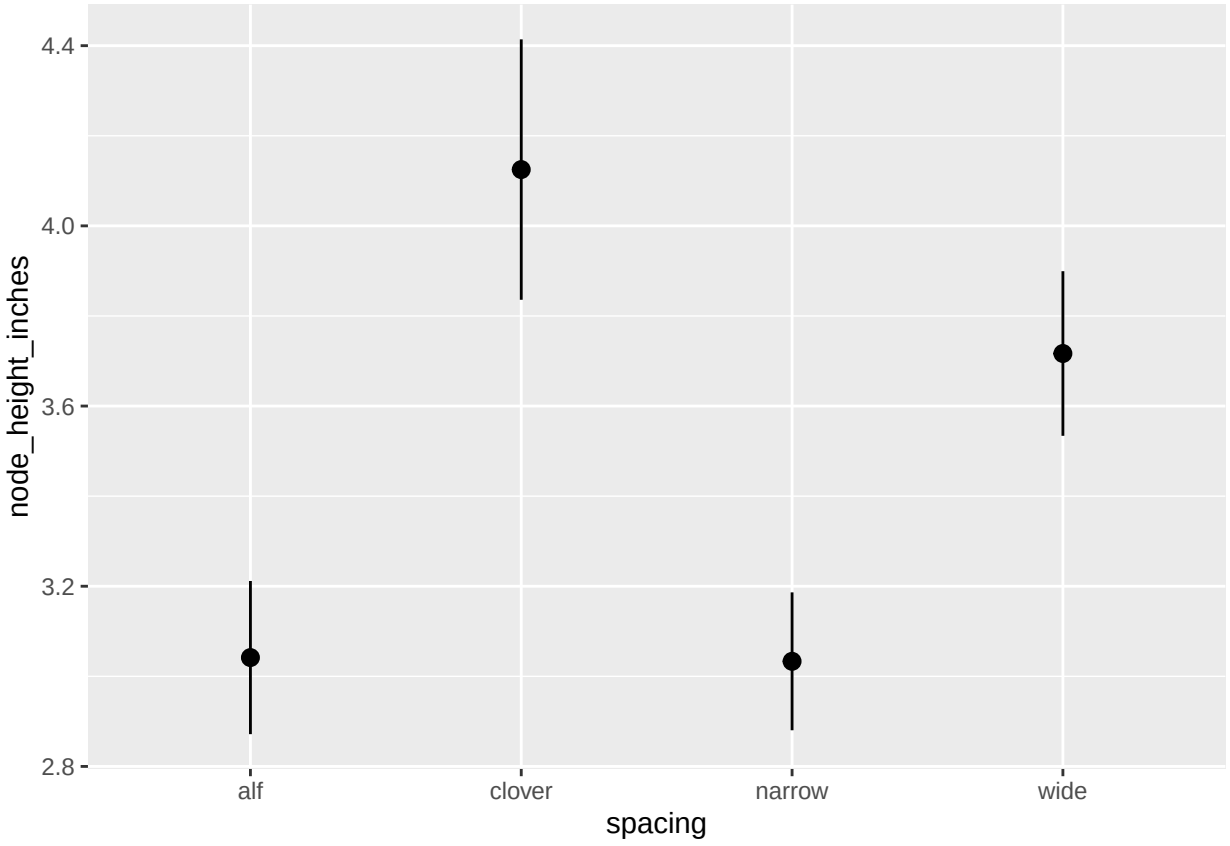
```
dat %>%
  select(-c(1:3,5:7)) %>%
  pivot_longer(cols = 2:4) %>%
  select(-2) %>%
  rename(node_height_inches = value) %>%
  left_join(trt_matrix) %>%
  ggplot(aes(variety,node_height_inches)) +
  stat_summary()
```

```
## Joining with `by = join_by(plot)`
## No summary function supplied, defaulting to `mean_se()`
```



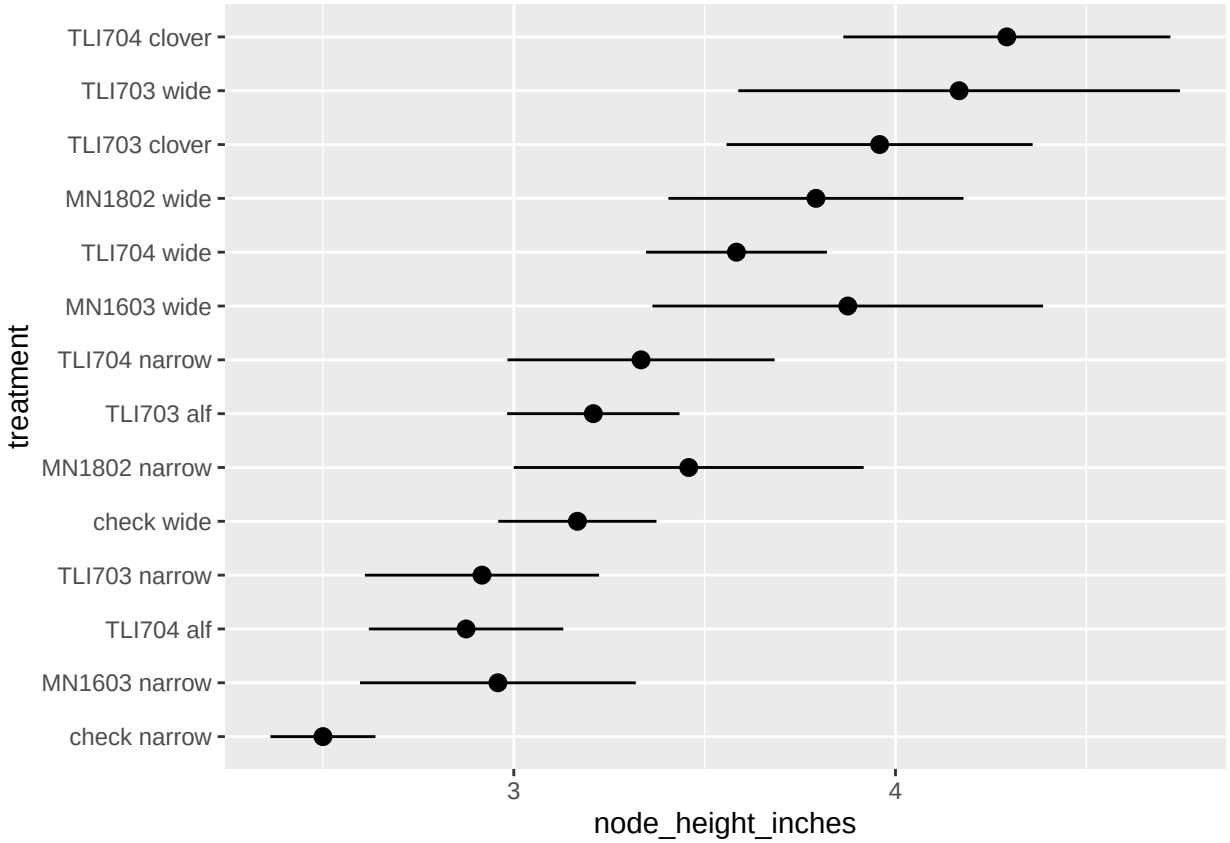

```
dat %>%
  select(-c(1:3,5:7)) %>%
  pivot_longer(cols = 2:4) %>%
  select(-2) %>%
  rename(node_height_inches = value) %>%
  left_join(trt_matrix) %>%
  ggplot(aes(spacing,node_height_inches)) +
  stat_summary()
```

```
## Joining with `by = join_by(plot)`
## No summary function supplied, defaulting to `mean_se()`
```




```
dat %>%
  select(-c(1:3,5:7)) %>%
  pivot_longer(cols = 2:4) %>%
  select(-2) %>%
  rename(node_height_inches = value) %>%
  left_join(trt_matrix) %>%
  mutate(treatment = paste(variety,spacing)) %>%
  mutate(treatment = fct_reorder(treatment,node_height_inches)) %>%
  ggplot(aes(treatment,node_height_inches)) +
  stat_summary() +
  coord_flip()
```

```
## Joining with `by = join_by(plot)`
## No summary function supplied, defaulting to `mean_se()`
```


TLI704 clover
TLI703 wide
TLI703 clover
MN1802 wide
TLI704 wide
MN1603 wide
TLI704 narrow
TLI703 alf
MN1802 narrow
check wide
TLI703 narrow
TLI704 alf
MN1603 narrow
check narrow
treatment
3
4
node_height_inches