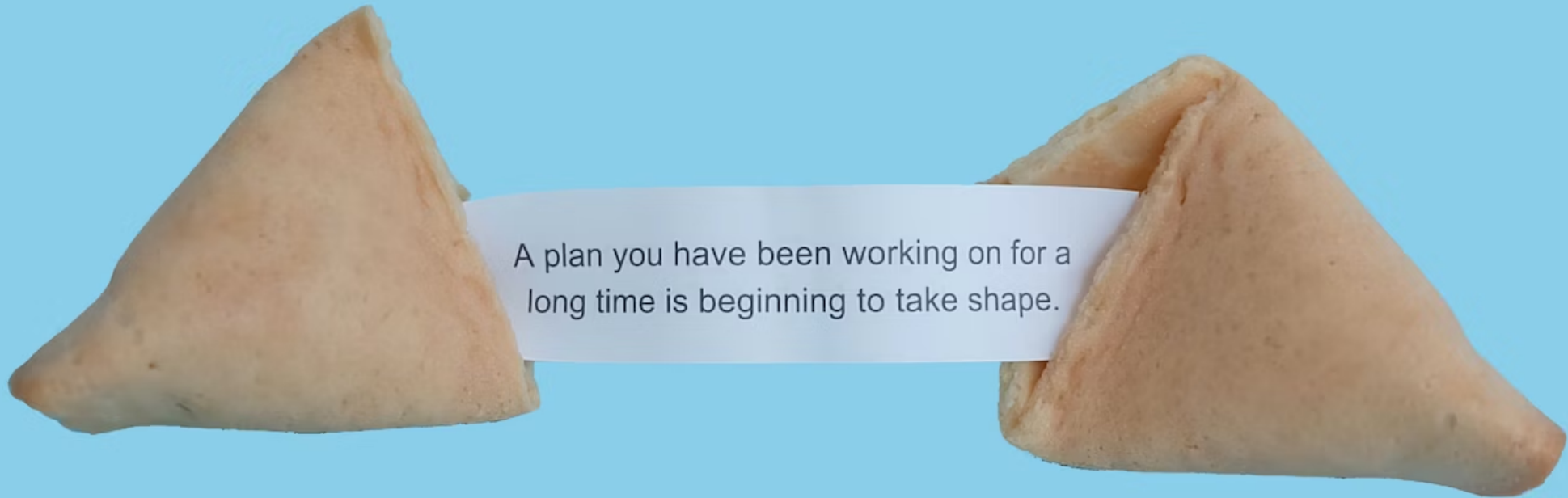
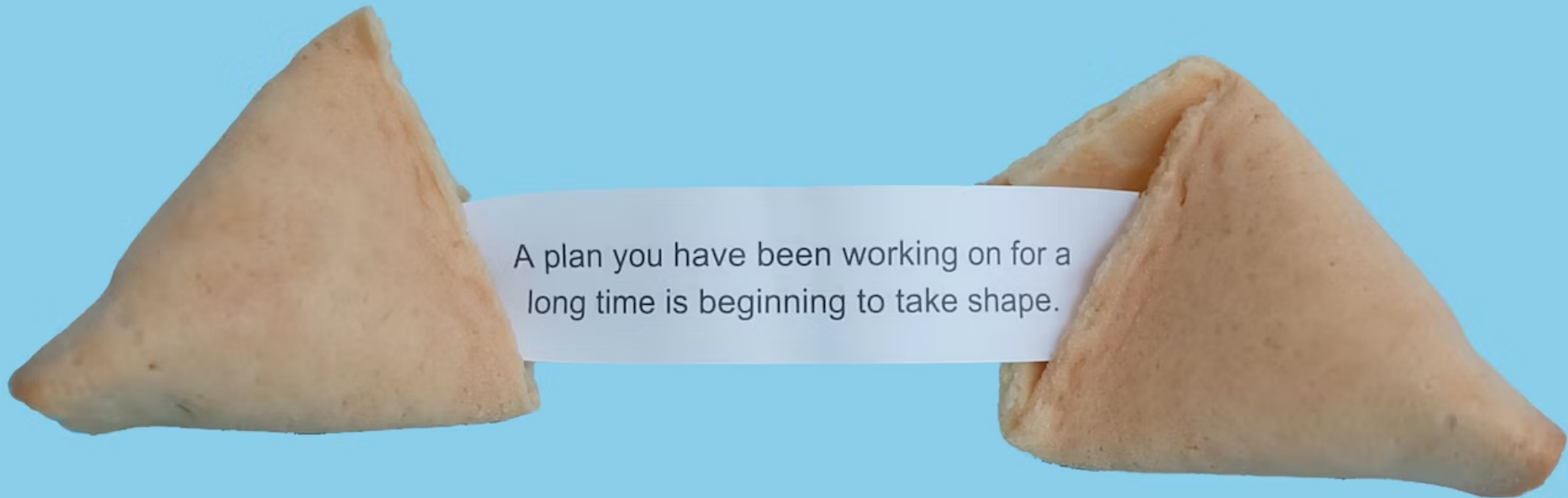


Prediction with `{ggsmoothfit}`



Prediction with `{ggsmoothfit}`

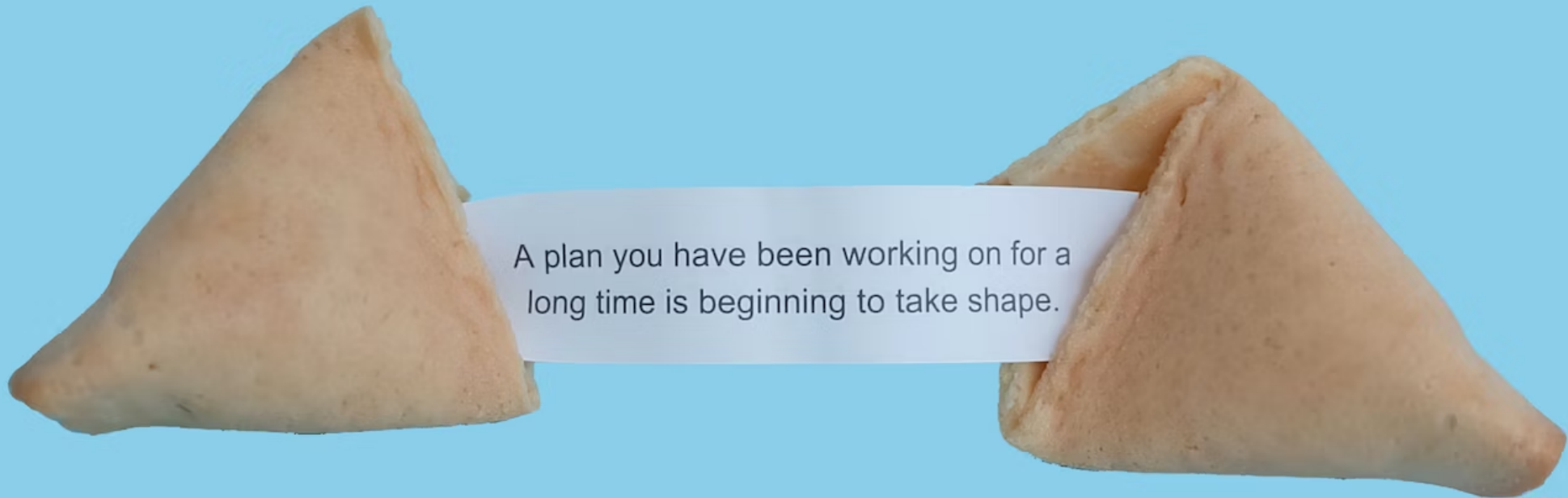
`ggplot2`'s `geom_smooth()` shows prediction across a range of values.



Prediction with `{ggsmoothfit}`

`ggplot2`'s `geom_smooth()` shows prediction across a range of values.

`stat_smooth()`'s `xseq` specifies positions at which to make predict.

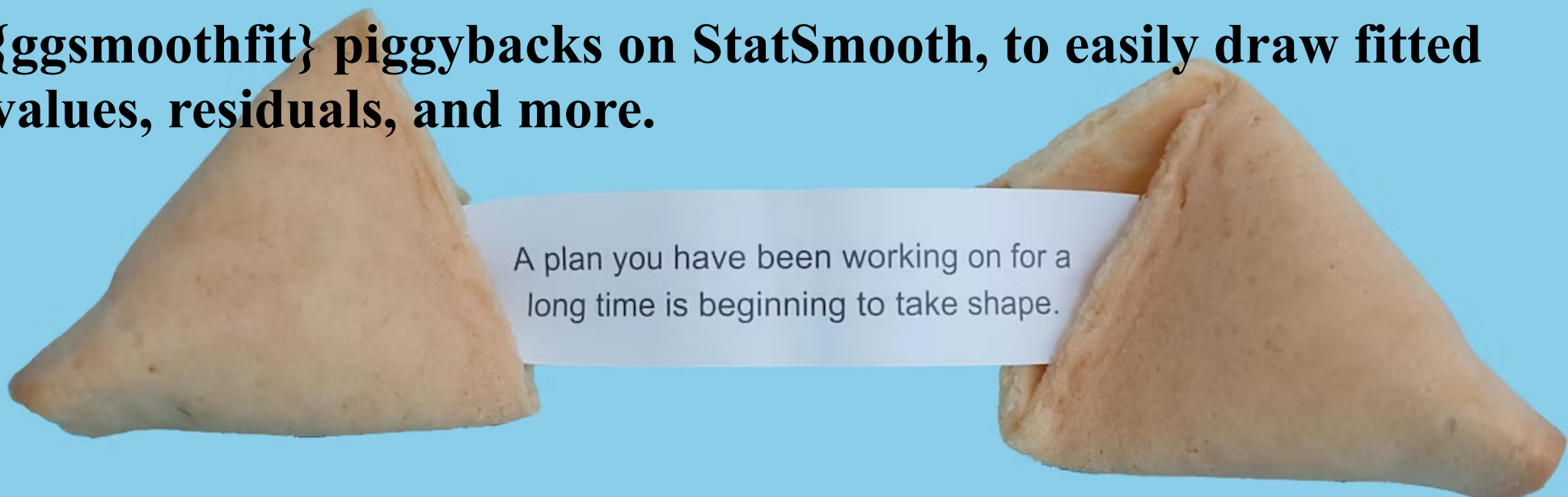


Prediction with `{ggsmoothfit}`

`ggplot2`'s `geom_smooth()` shows prediction across a range of values.

`stat_smooth()`'s `xseq` specifies positions at which to make predict.

`{ggsmoothfit}` piggybacks on `StatSmooth`, to easily draw fitted values, residuals, and more.

Two golden-brown samosas are positioned on either side of a white banner. The banner is held between them and contains text.

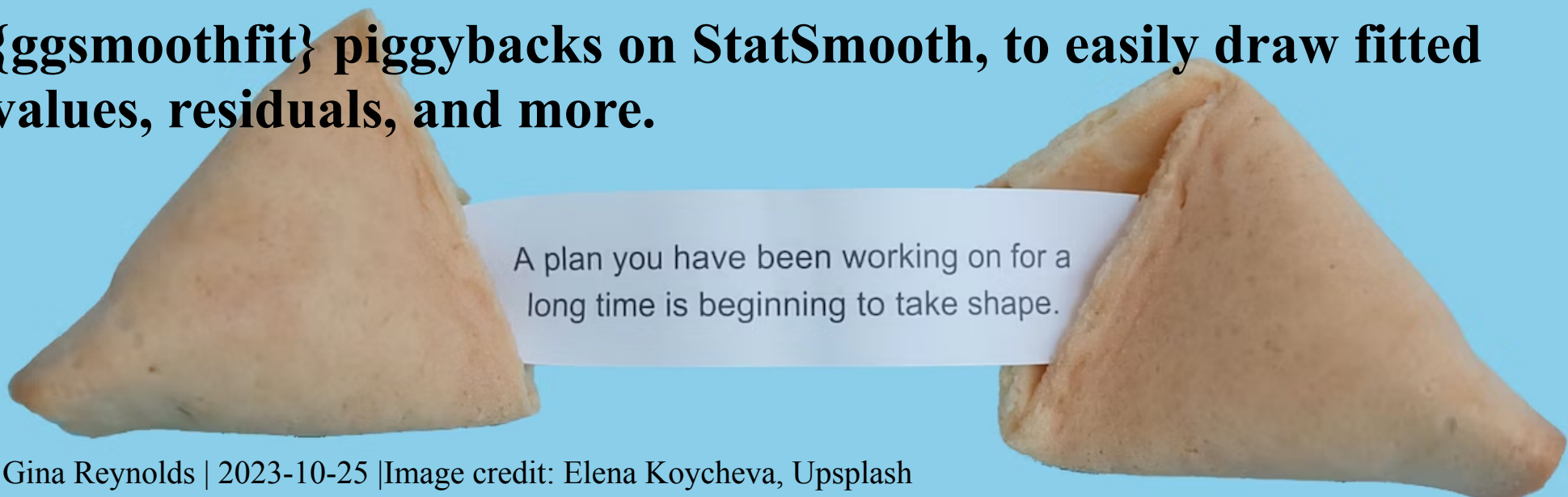
A plan you have been working on for a long time is beginning to take shape.

Prediction with `{ggsmoothfit}`

`ggplot2`'s `geom_smooth()` shows prediction across a range of values.

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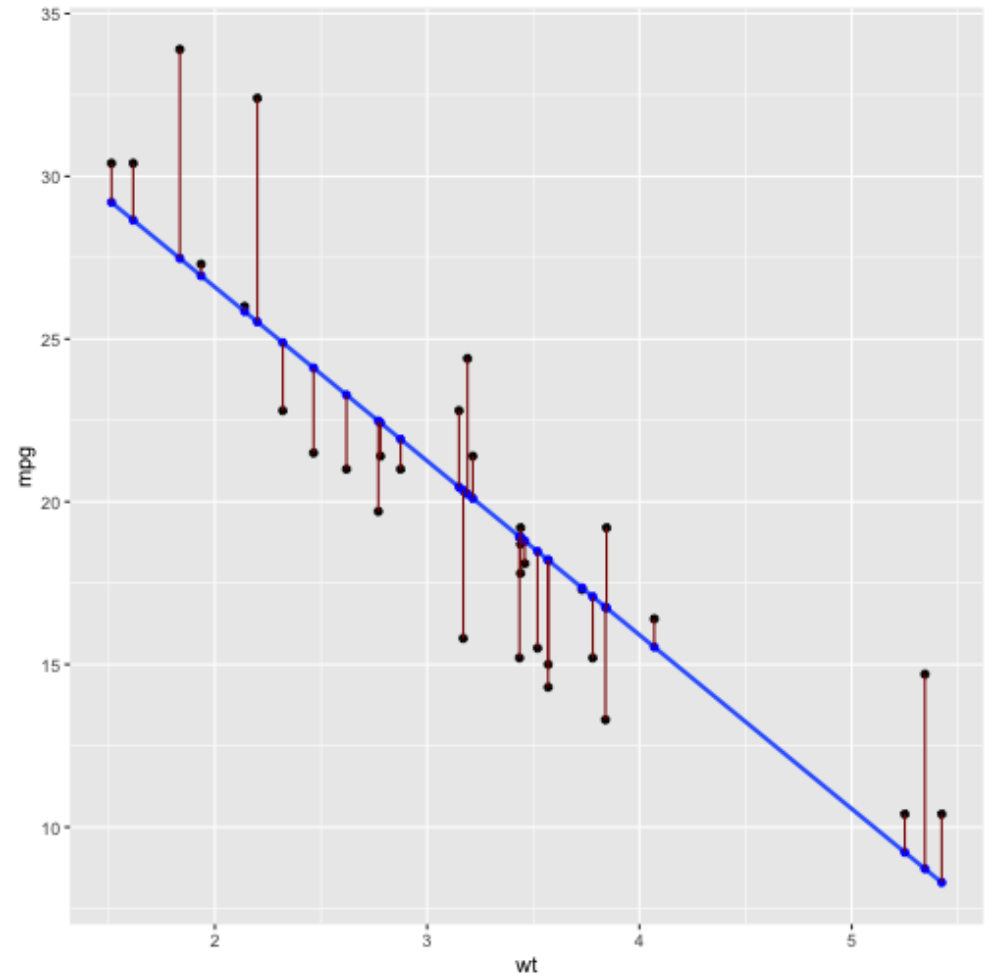
Two golden-brown samosas are positioned on either side of a white banner. The banner contains the text: "A plan you have been working on for a long time is beginning to take shape."

A plan you have been working on for a long time is beginning to take shape.

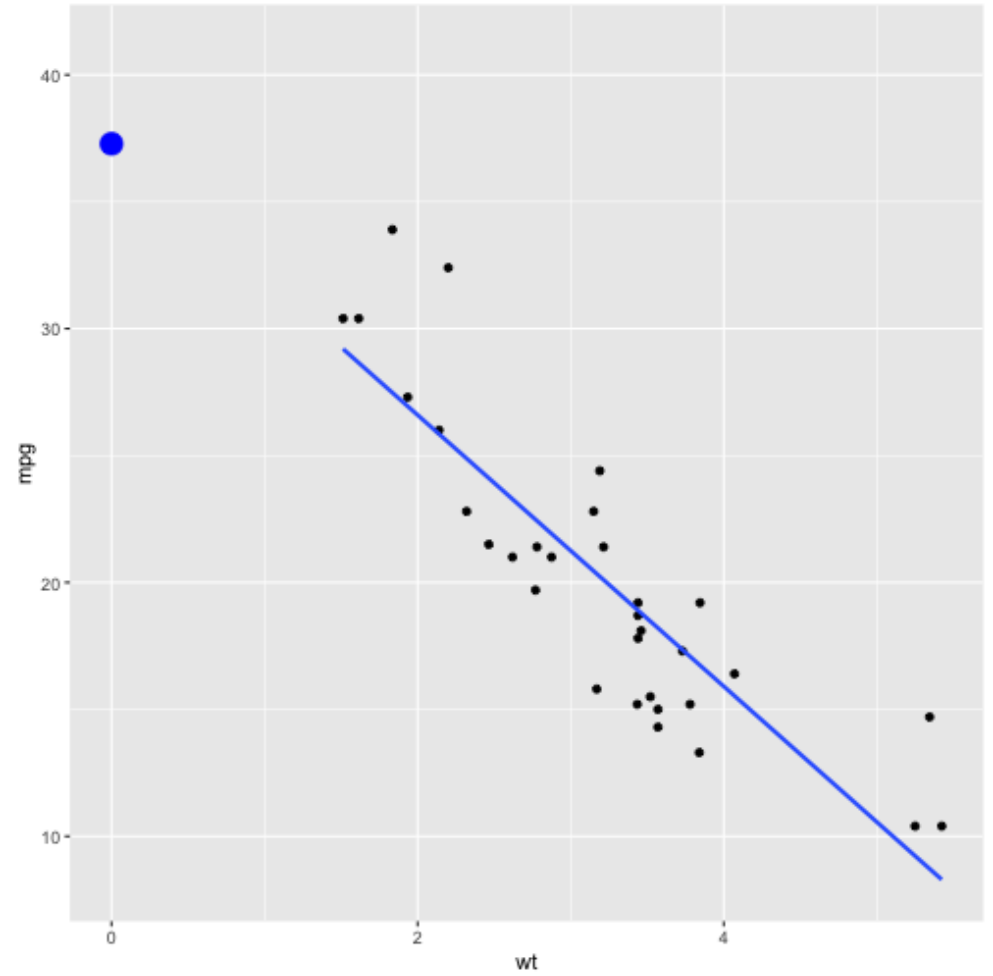
```
library(tidyverse)
mtcars %>%
  ggplot() +
  aes(wt, mpg) +
  geom_point() +
  geom_smooth(se = F, method = lm) ->
a_ggplot2_plot
```



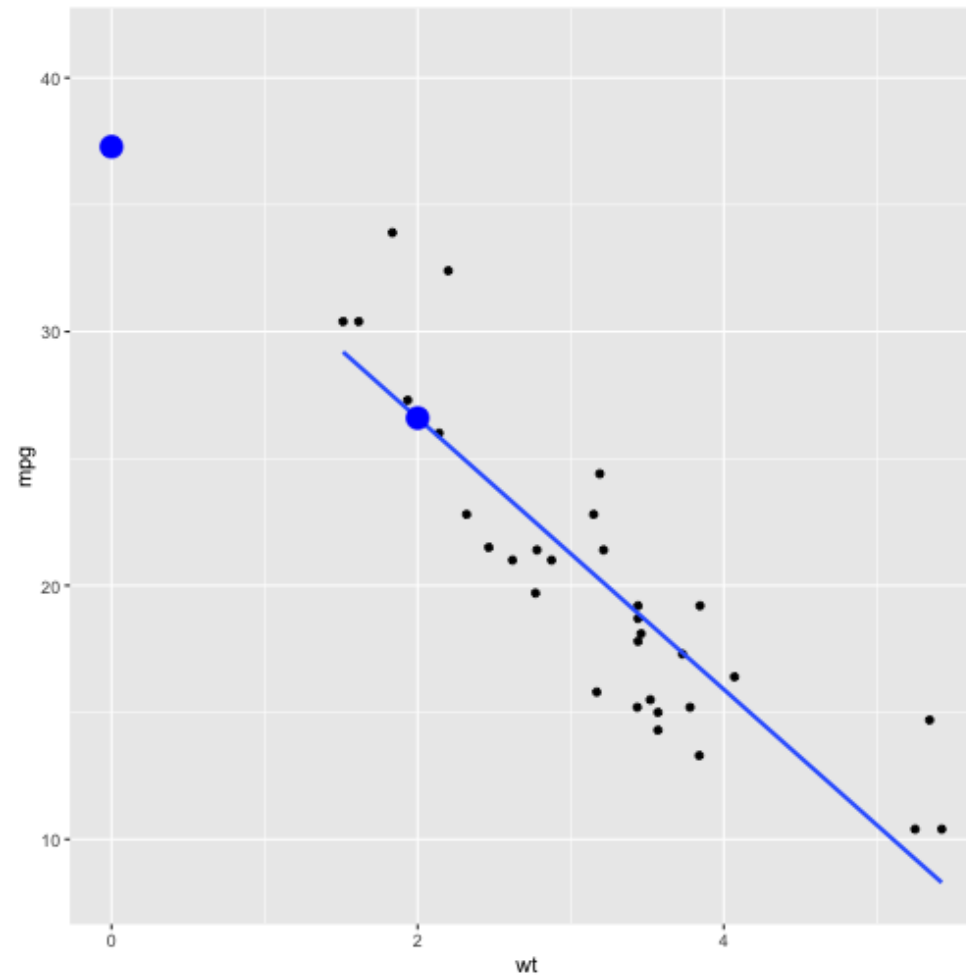
```
a_ggplot2_plot +  
  ggsmoothfit:::geom_fit(method = lm) +  
  ggsmoothfit:::geom_residuals(method = lm)
```



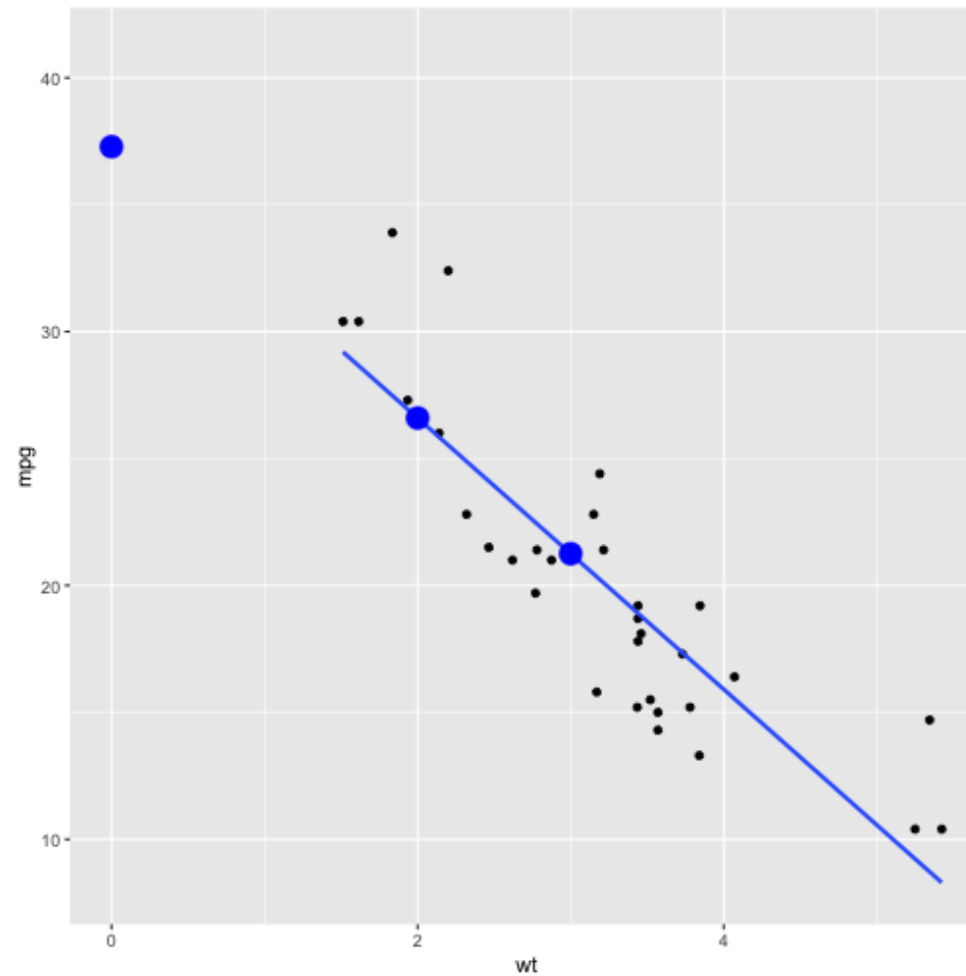

```
a_ggplot2_plot +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 0, method = lm, size = 5)
```



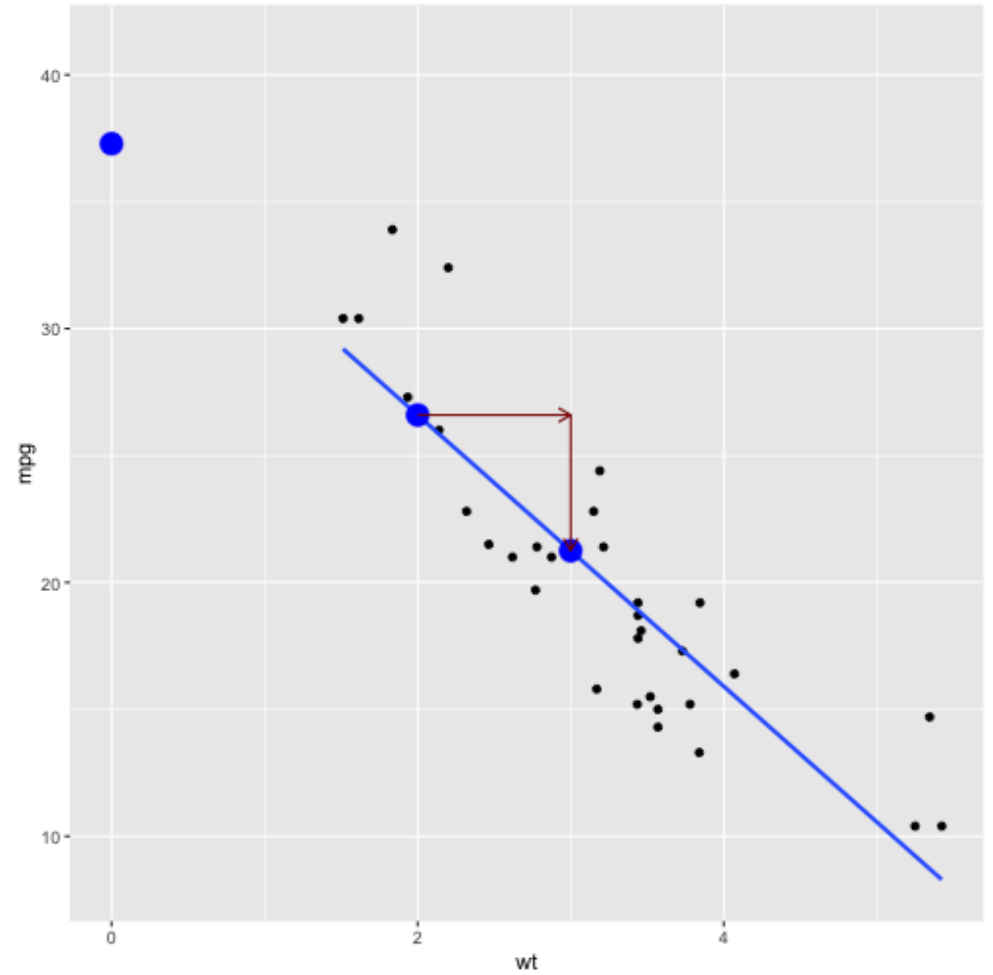
```
a_ggplot2_plot +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 0, method = lm, size = 5) +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 2, method = lm, size = 5)
```



```
a_ggplot2_plot +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 0, method = lm, size = 5) +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 2, method = lm, size = 5) +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 3, method = lm, size = 5)
```



```
a_ggplot2_plot +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 0, method = lm, size = 5) +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 2, method = lm, size = 5) +  
  ggsmoothfit::geom_smooth_predict(  
    xseq = 3, method = lm, size = 5) +  
  ggsmoothfit::geom_smooth_step(  
    xseq = 2:3, method = lm)
```



Contribute

- <https://github.com/EvaMaeRey/ggsmoothfit>

Check out `stat_smooth()` which does the computation in `ggsmoothfit`

- https://ggplot2.tidyverse.org/reference/geom_smooth.html
- examples with `xseq`, <https://evamaerey.github.io/featurette/2023-10-30-stat-smooth-mtcars/stat-smooth-mtcars.html#10>
- `xseq` documentation discussion <https://github.com/tidyverse/ggplot2/issues/5246>

Check out flipbookr, used to build this featurette

- <https://github.com/EvaMaeRey/flipbookr>
- discussion: https://github.com/EvaMaeRey/flipbookr/blob/master/docs/draft_jasa_submission.pdf

Check out more featurettes

- <https://EvaMaeRey.github.io/featurette>