

Data Visualization



Data Visualization with Chart::Clicker

Cory G Watson

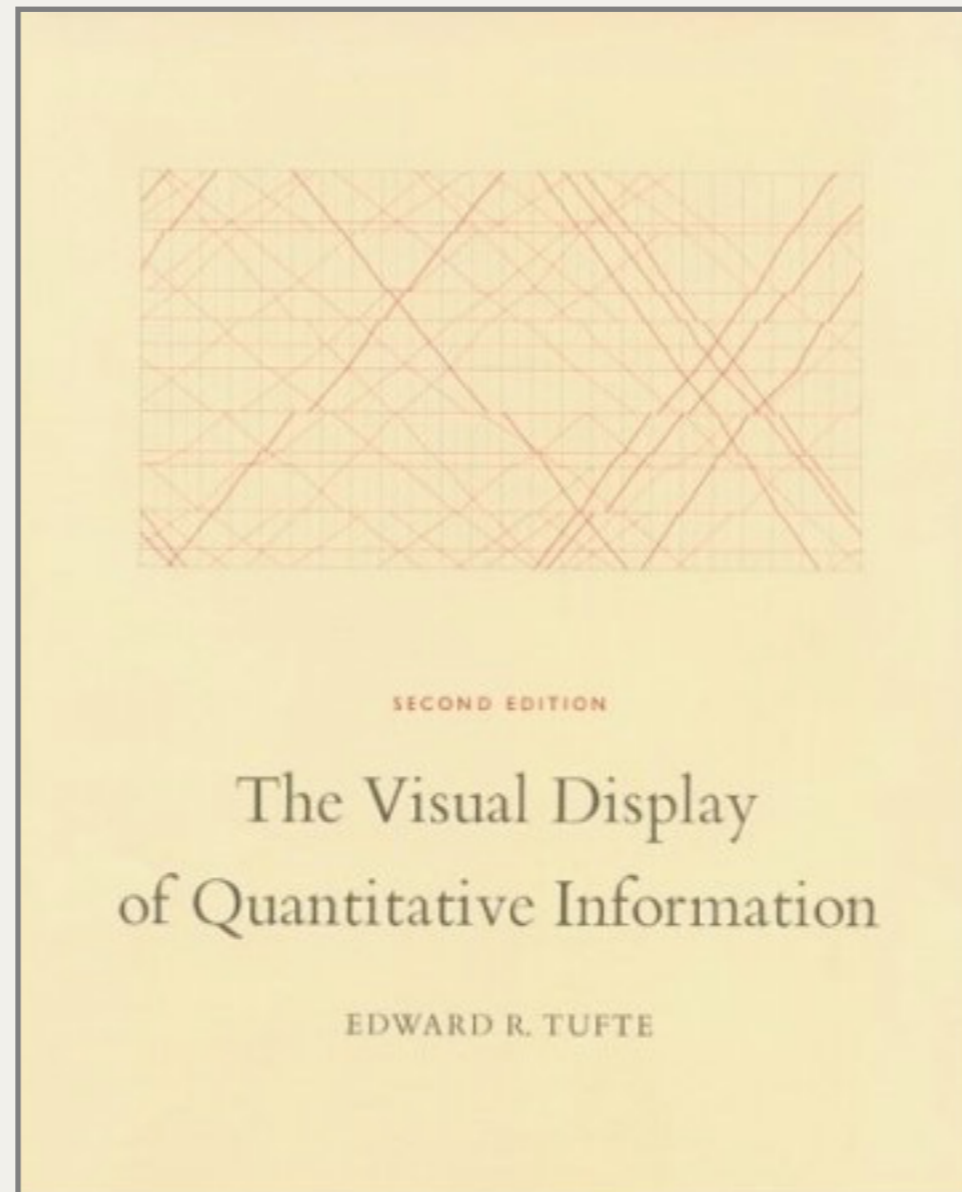
- gphat
- Director of Development, Magazines.com
- Creative Director, Cold Hard Code
- Catalyst, DBIx::Class, Moose
- <http://onemogin.com/blog>

A Note On Charting

- Some people have terrible hobbies.
- Don't listen to him: it's terrible.
- It damages you mentally & physically.

Philosophy

- *Make the simple things simple.*
- *Make the hard things possible.*
- *Make it all pretty!*
- *Make it possible to follow Tufte.*



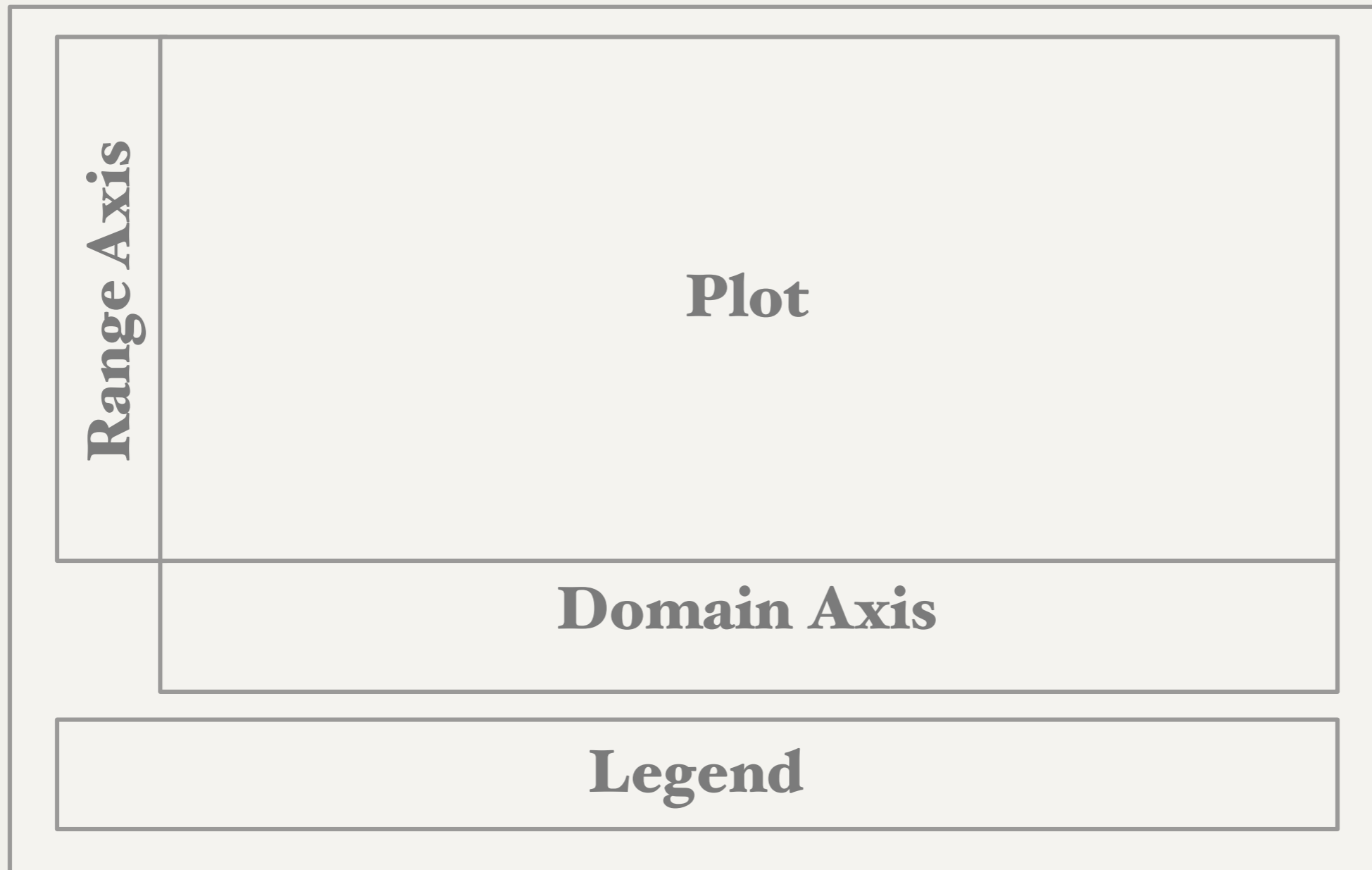
Tufte

Modus Operandi

“induce the viewer to think about the substance rather than about methodology, graphic design, the technology of graphic production, or something else.”

- Edward Tufte

The Visual Display of Quantitative Information

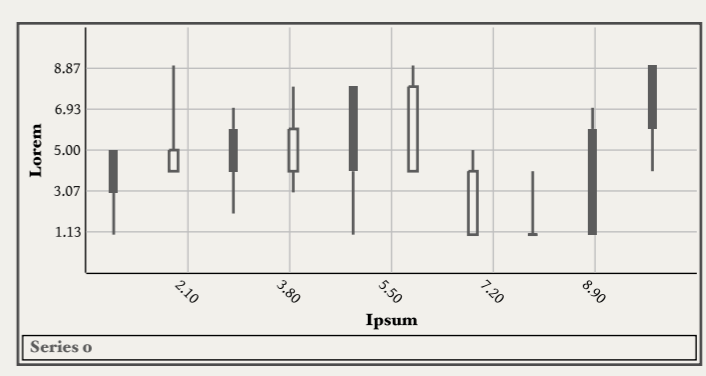
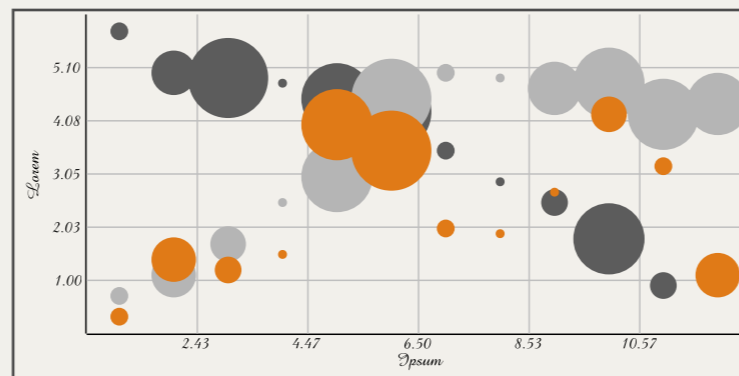
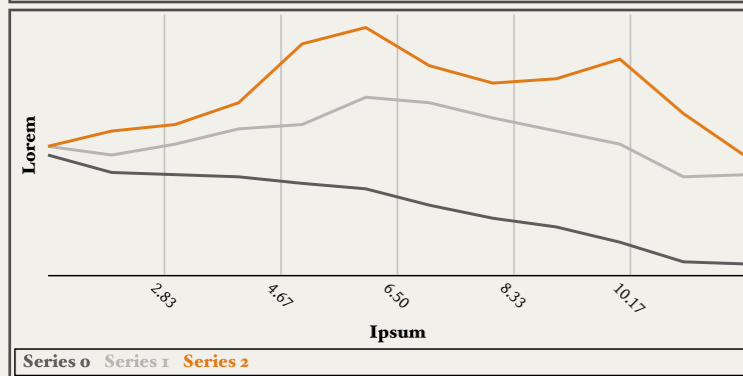
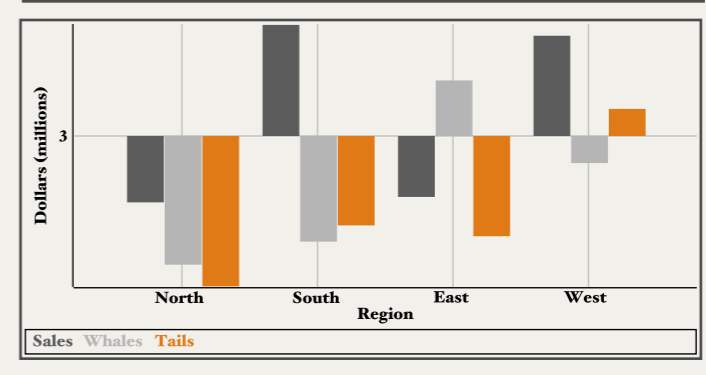
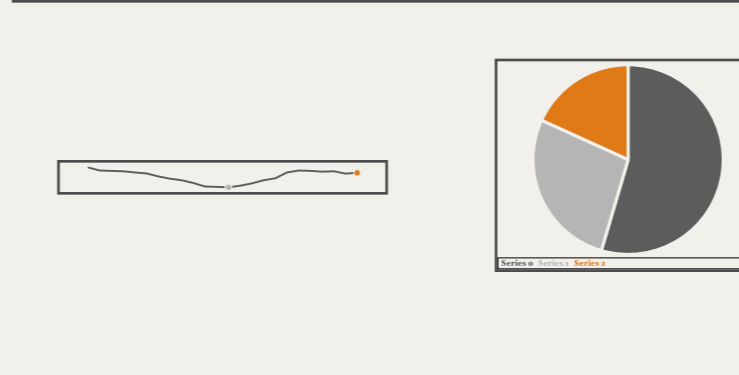
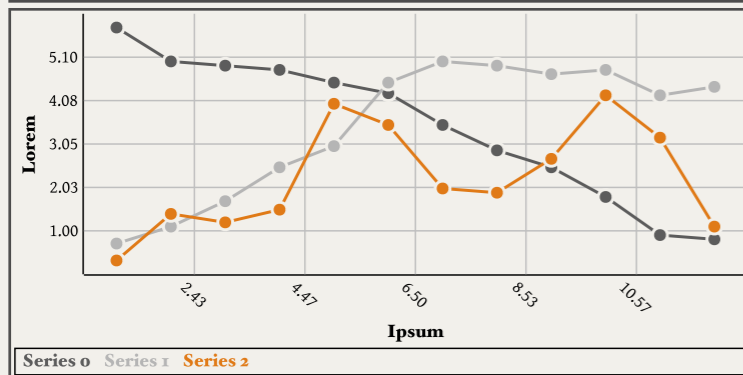
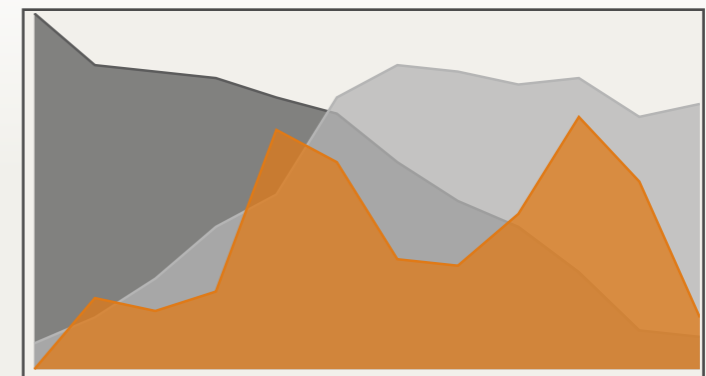
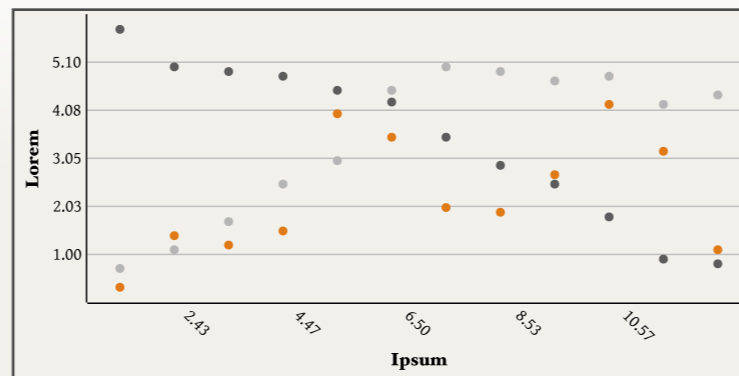
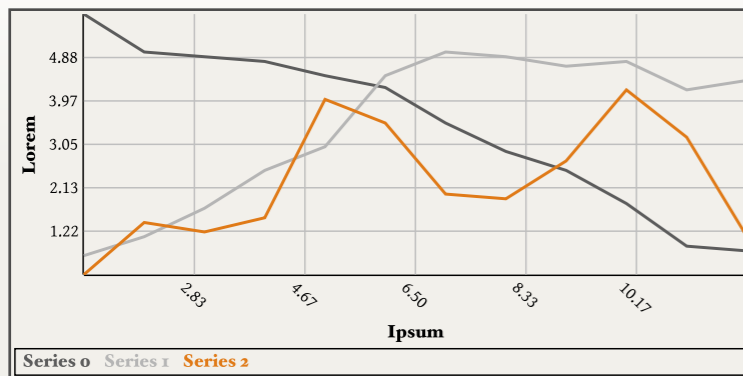


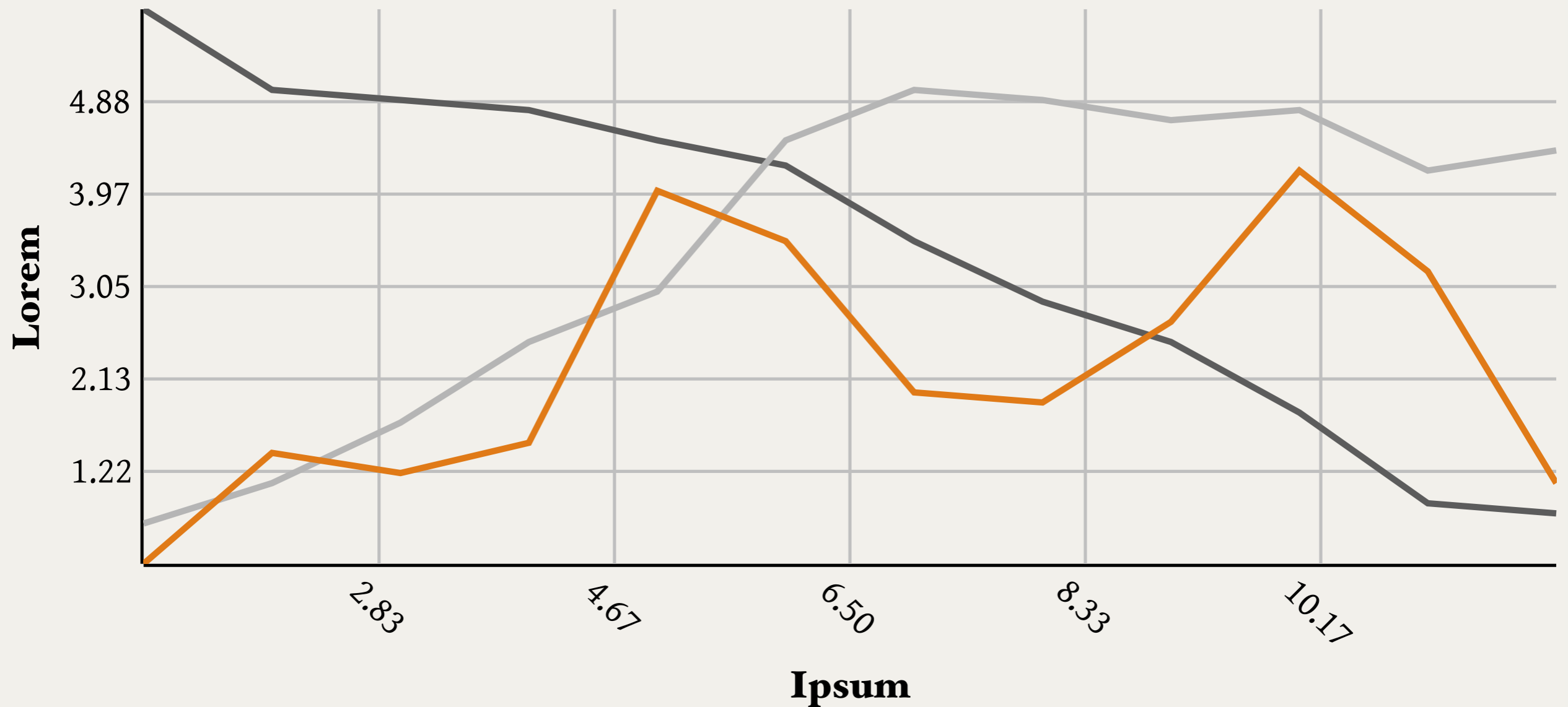
The Pieces

Notes

- All these examples were made with Clicker
- <http://github.com/gphat/chart-clicker-examples/tree/master>
- <http://onemogin.com/clicker>
- #chart-clicker

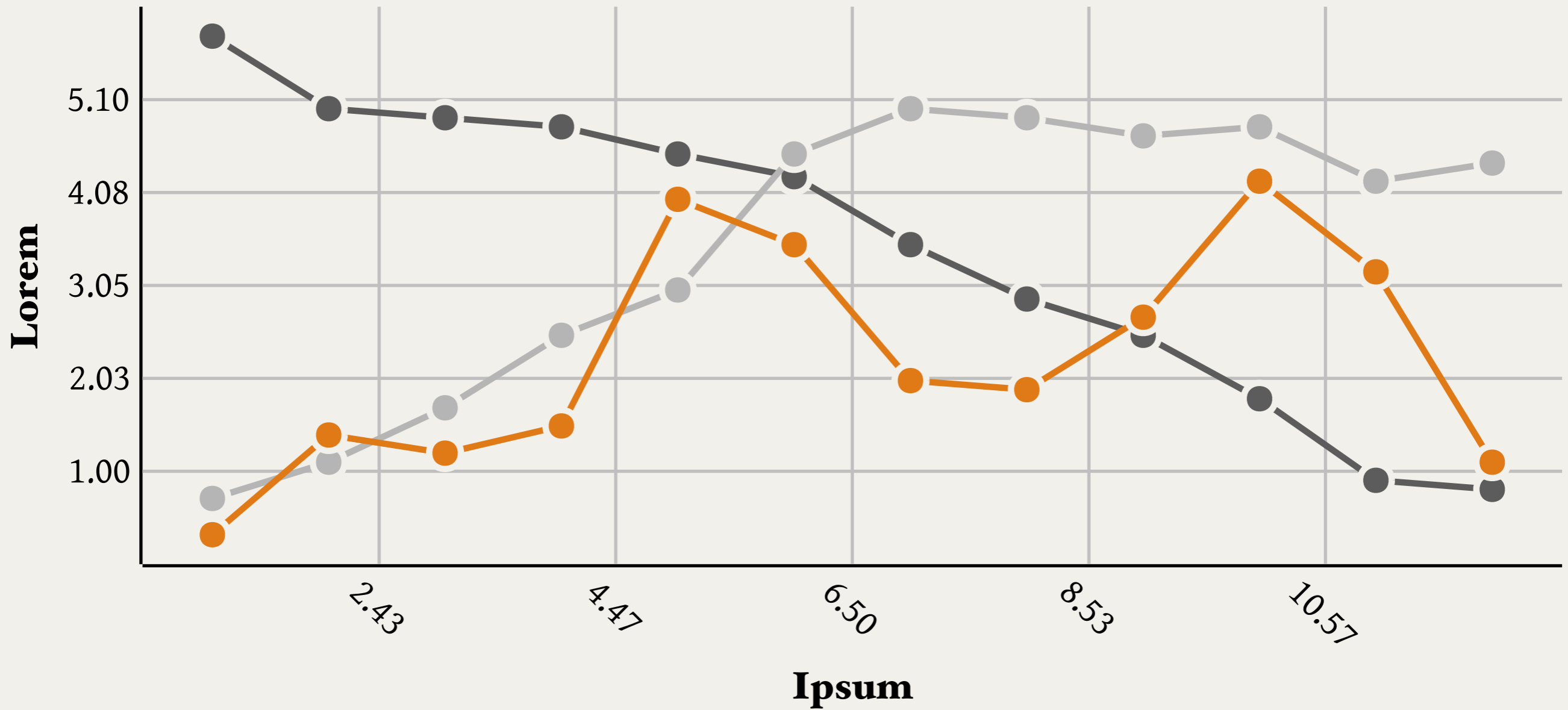
Many Choices





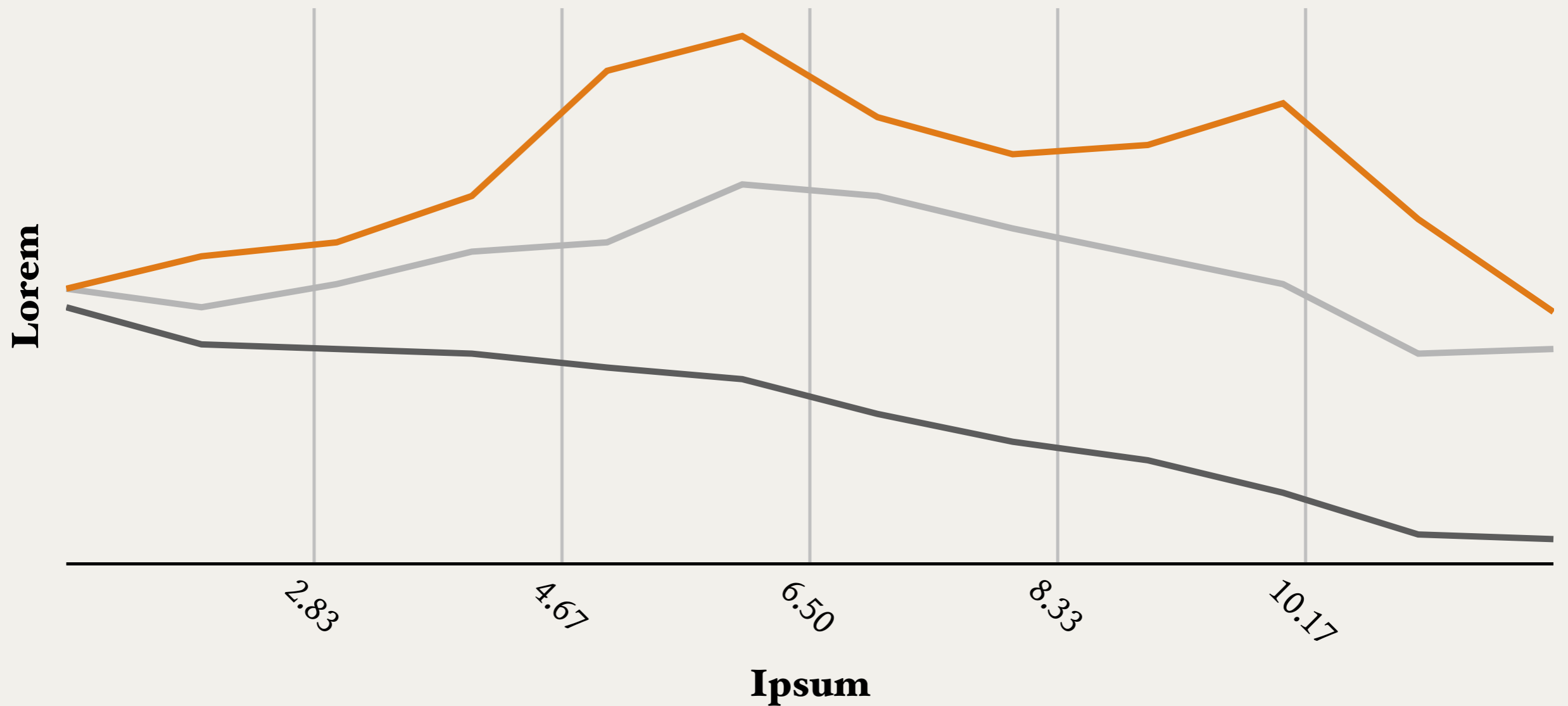
Series 0 Series 1 **Series 2**

Line



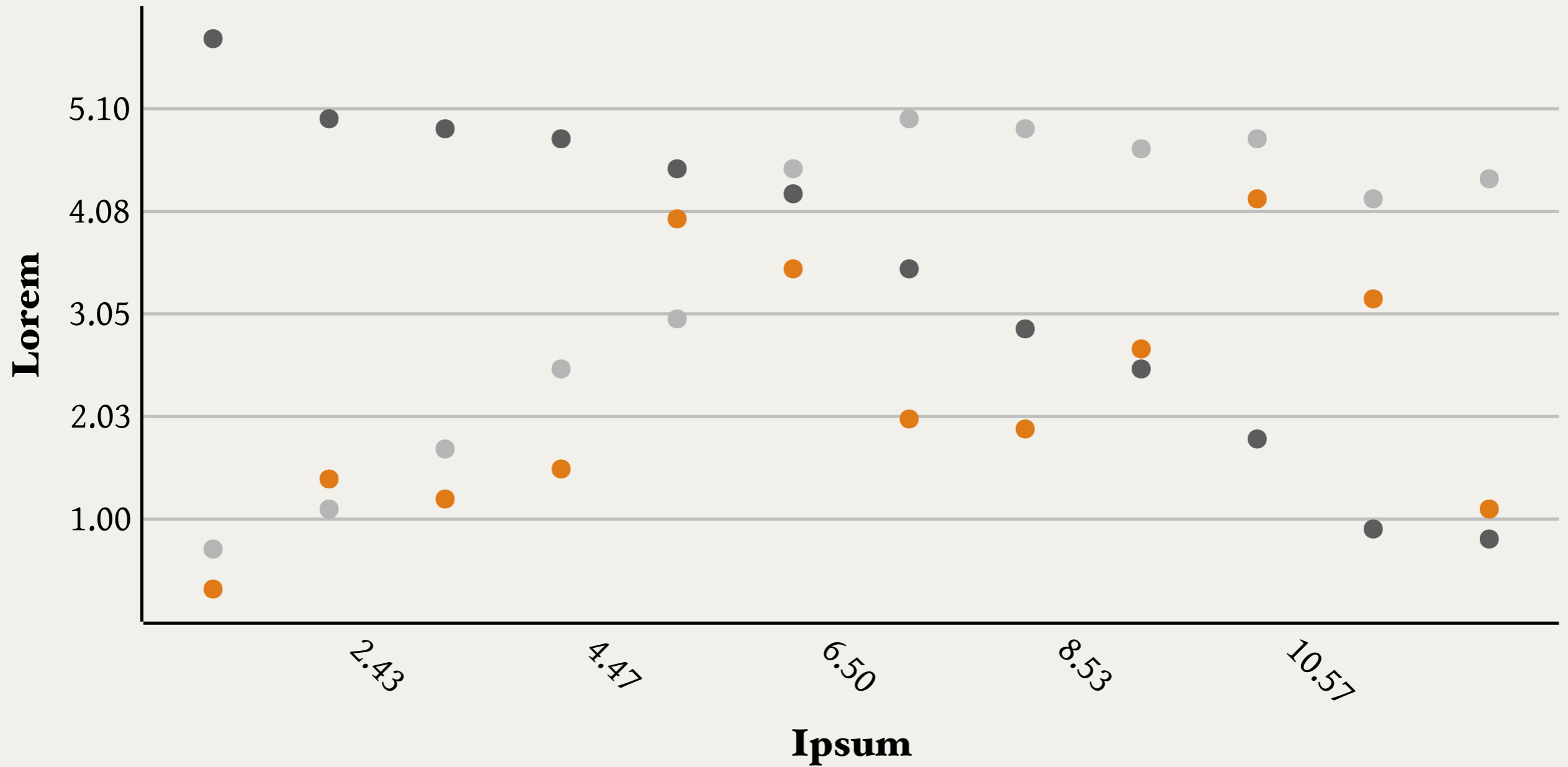
Series 0 Series 1 Series 2

Line & Shape

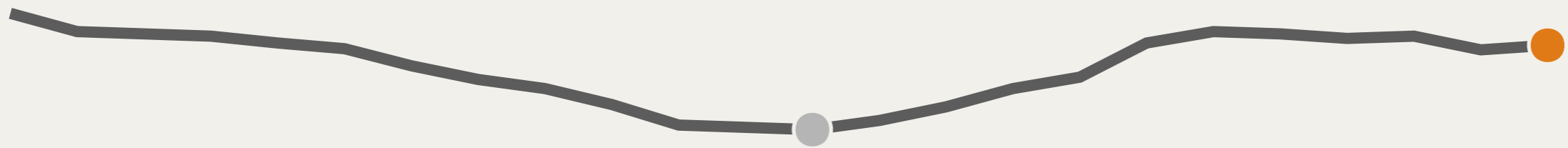


Series 0 Series 1 **Series 2**

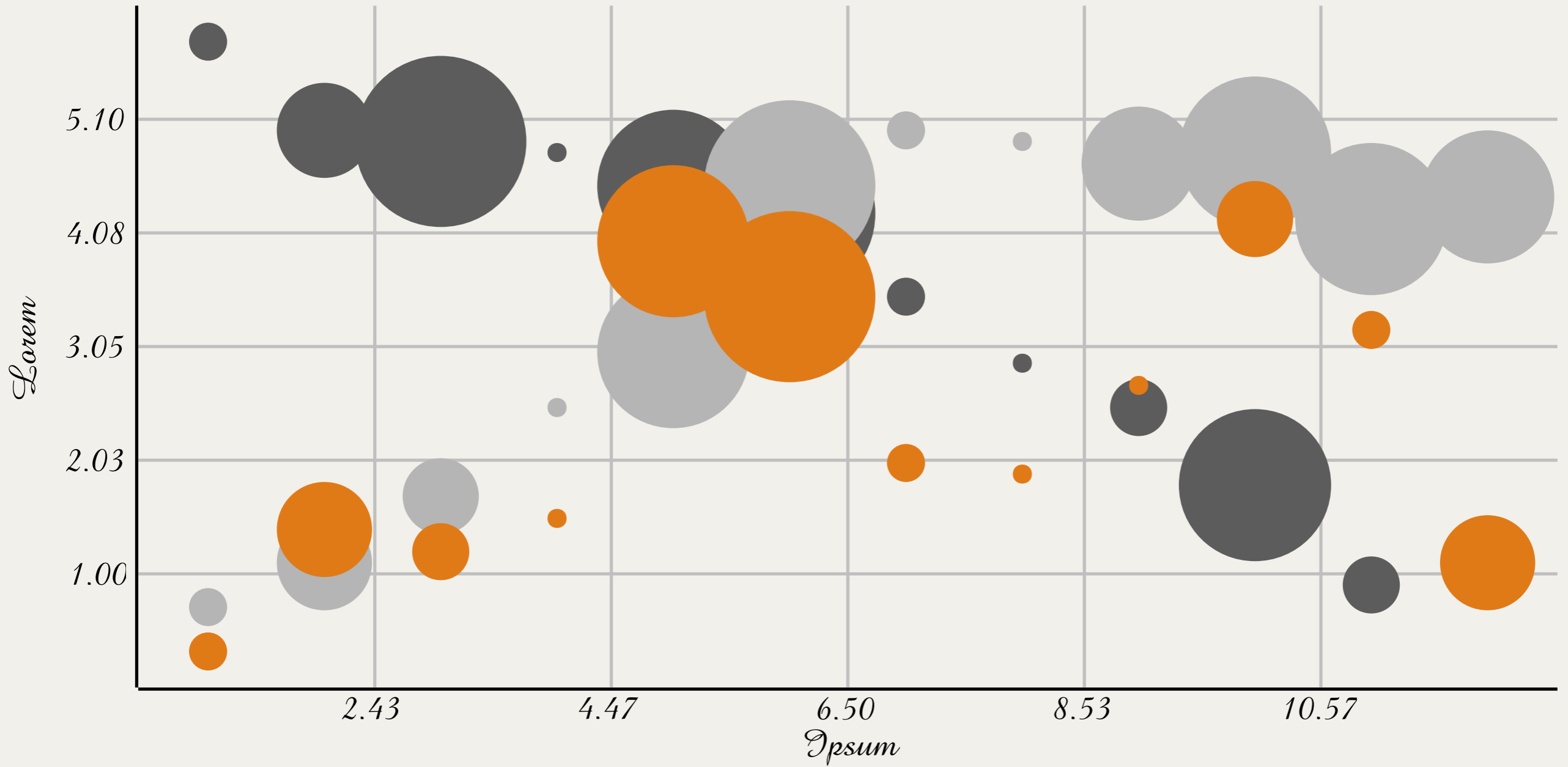
Stacked Line



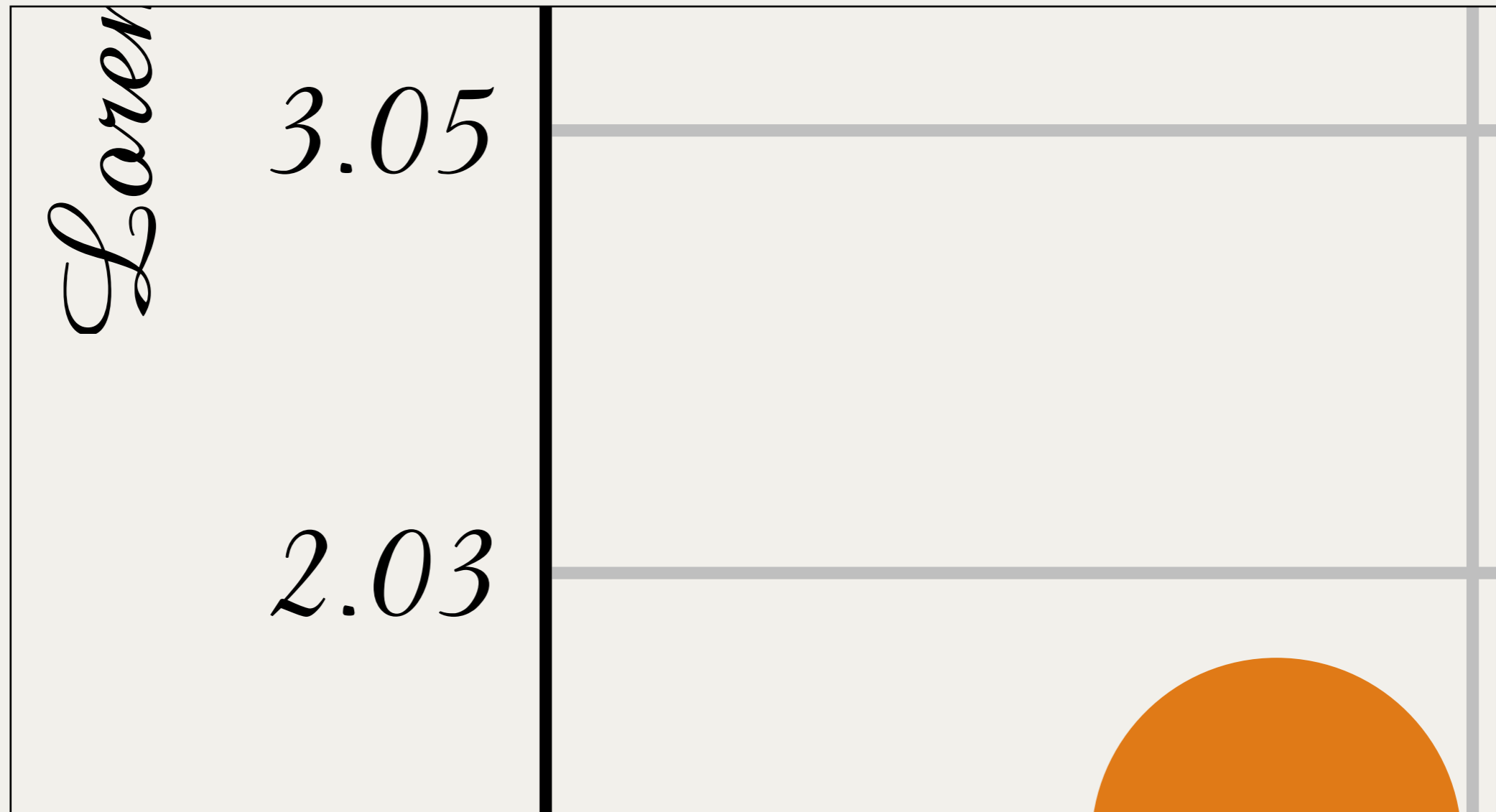
Point



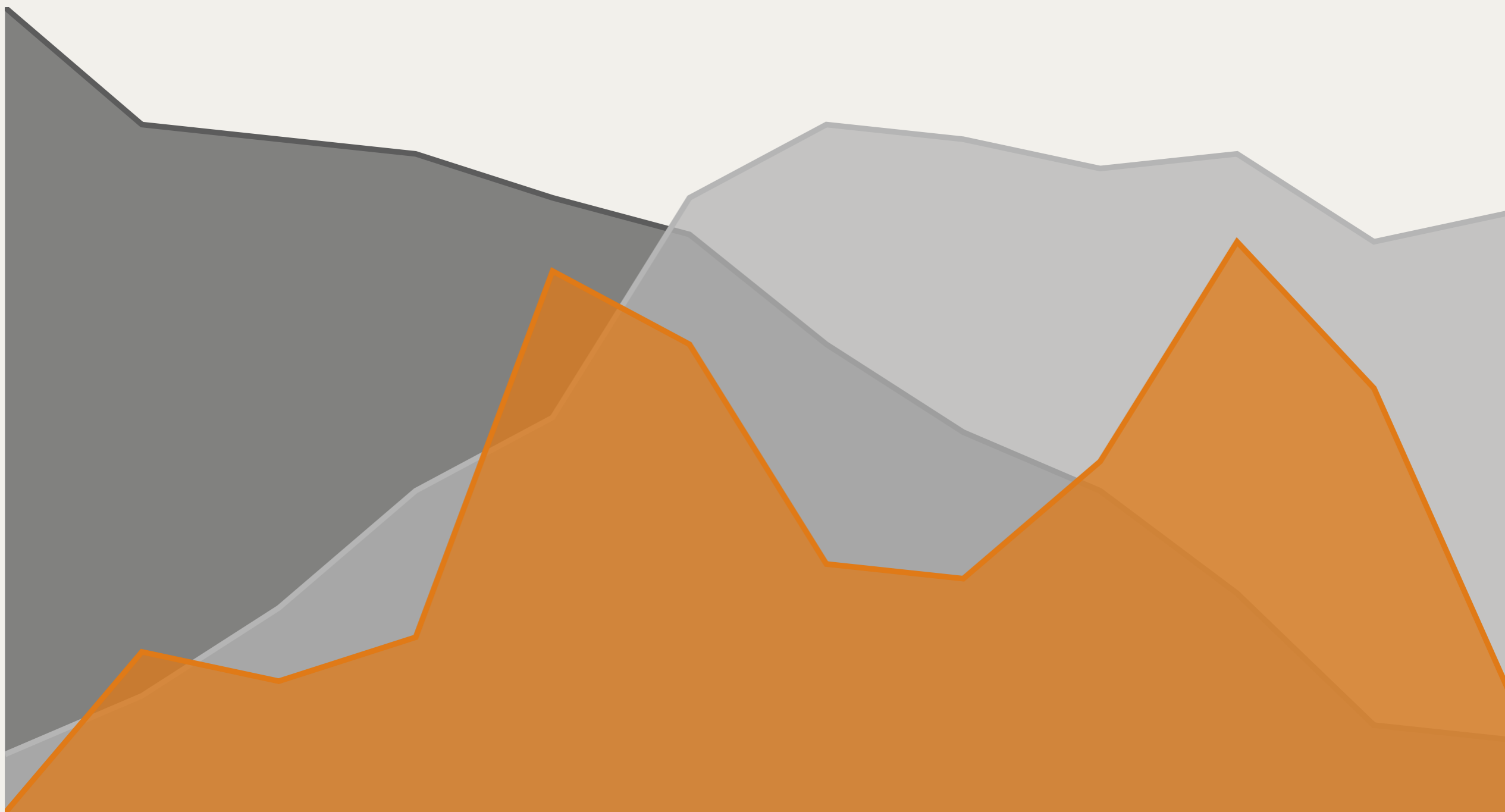
↳ Sparkline ↳



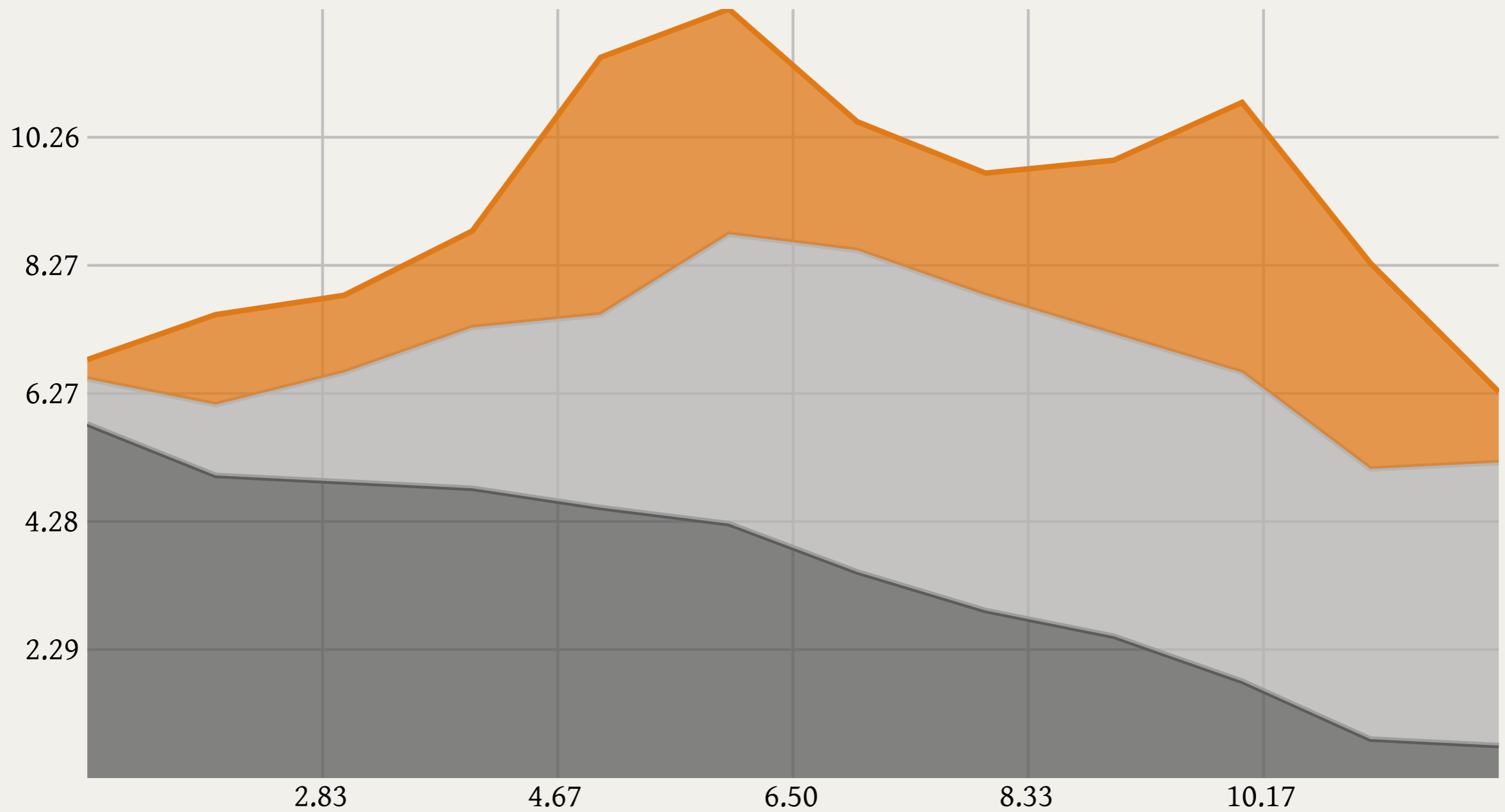
— Bubble —



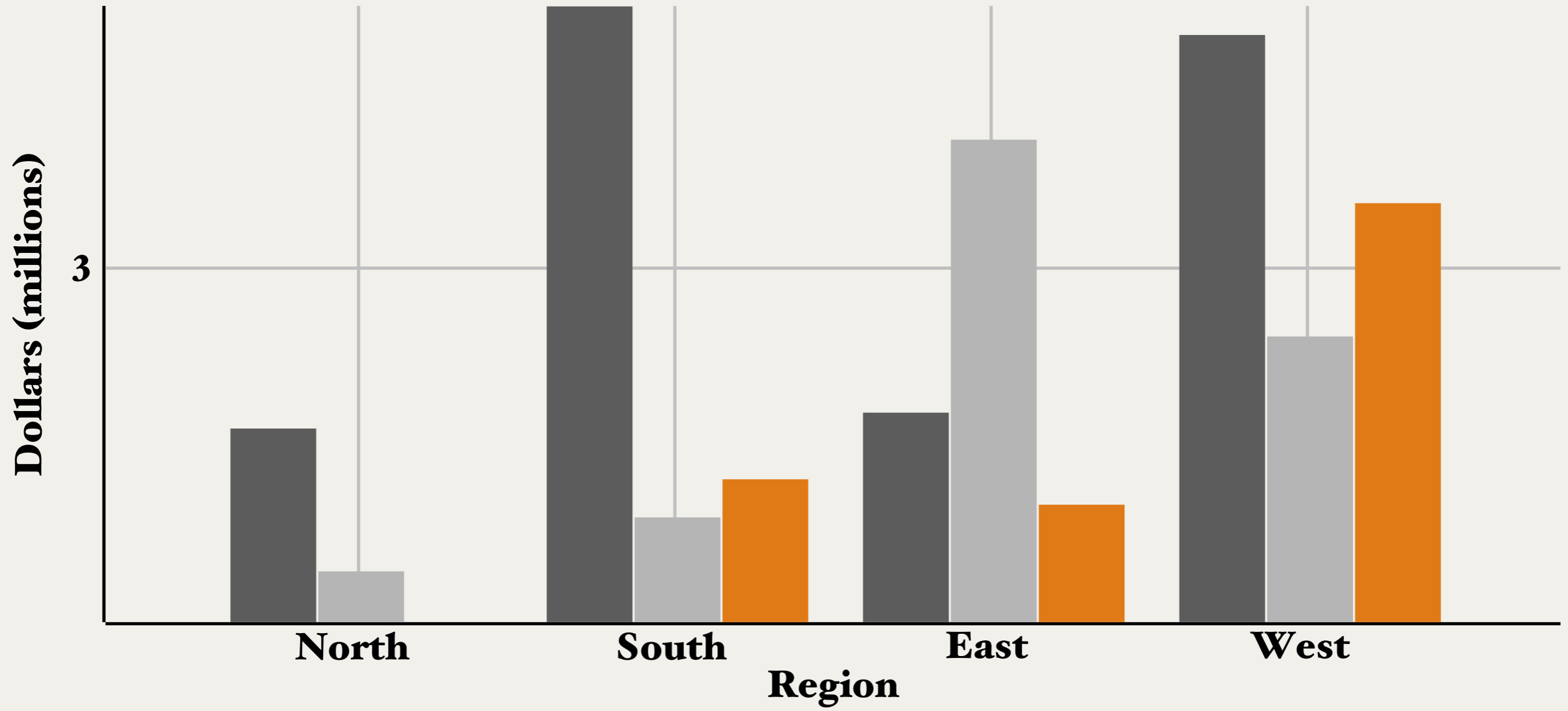
↳ Digression: Vector ↪



— Area —

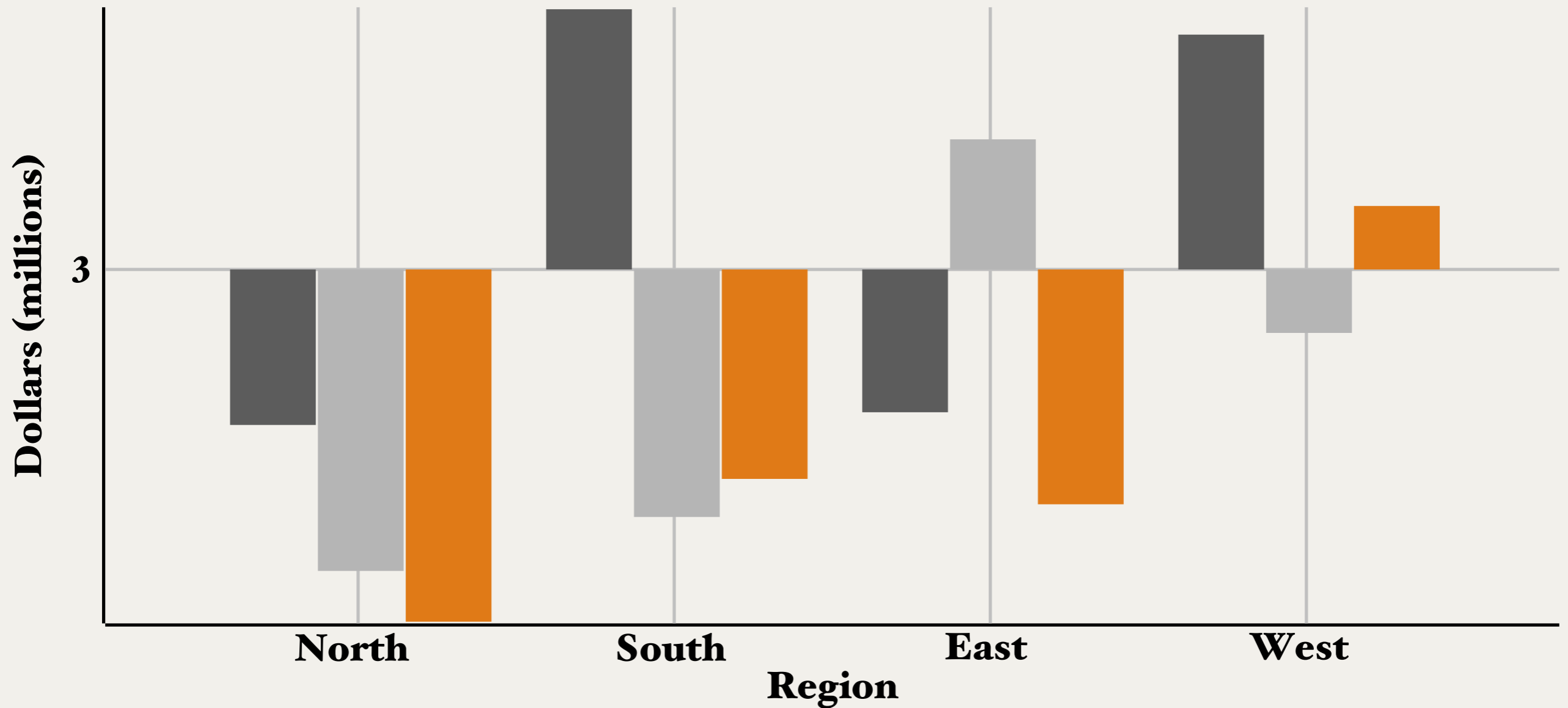


Stacked Area



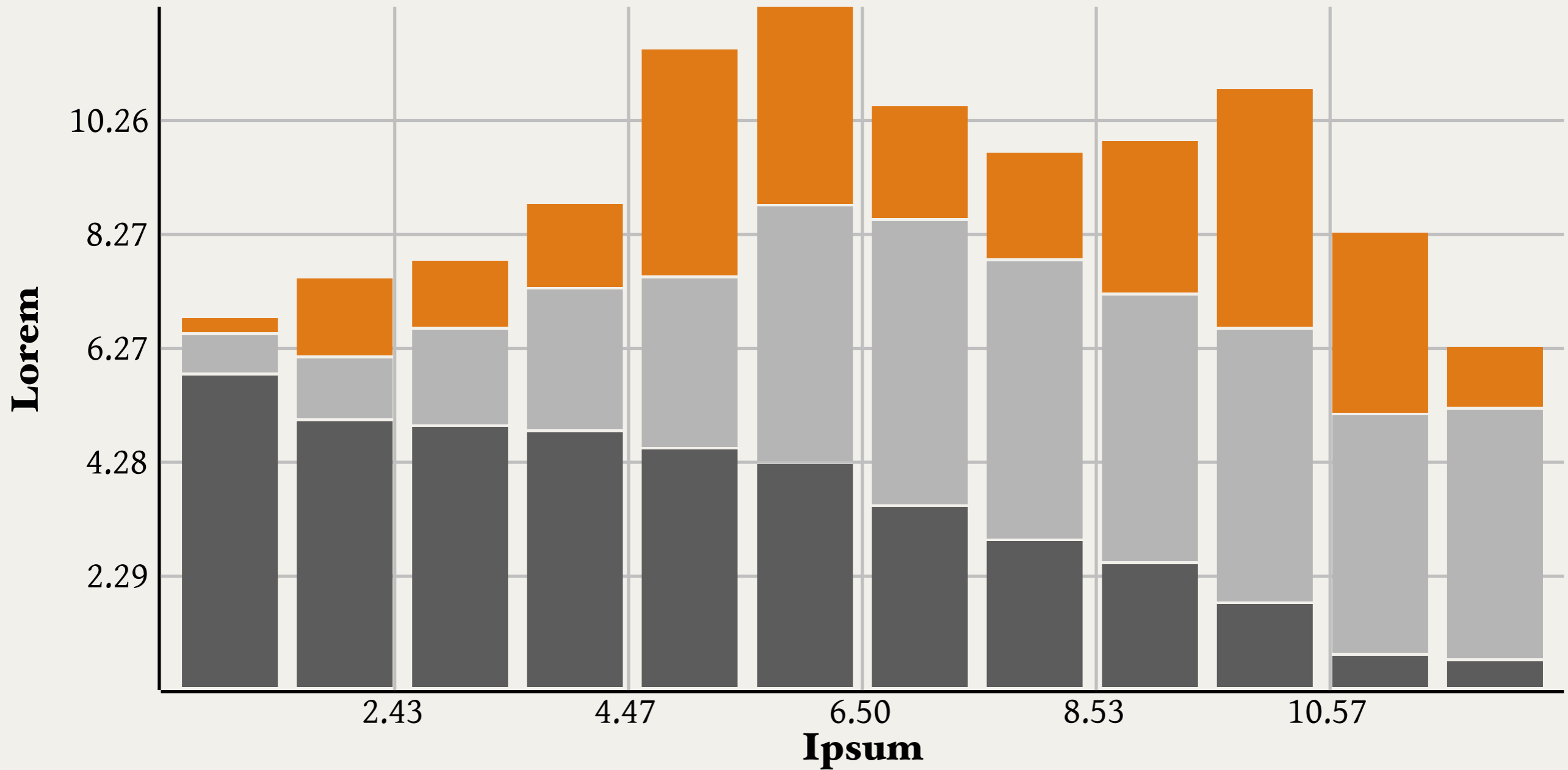
Sales Whales Tails

Bar

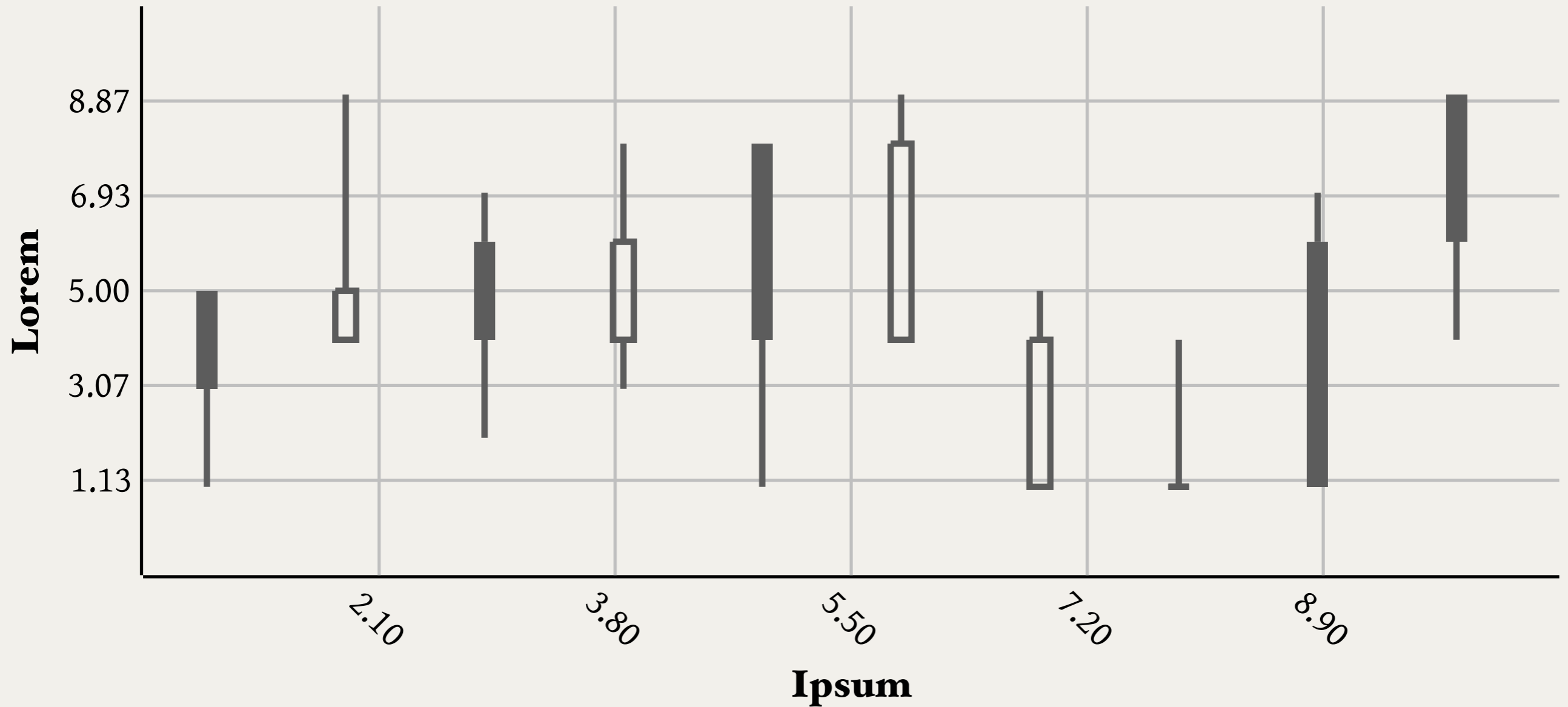


Sales Whales Tails

Bar (baseline)

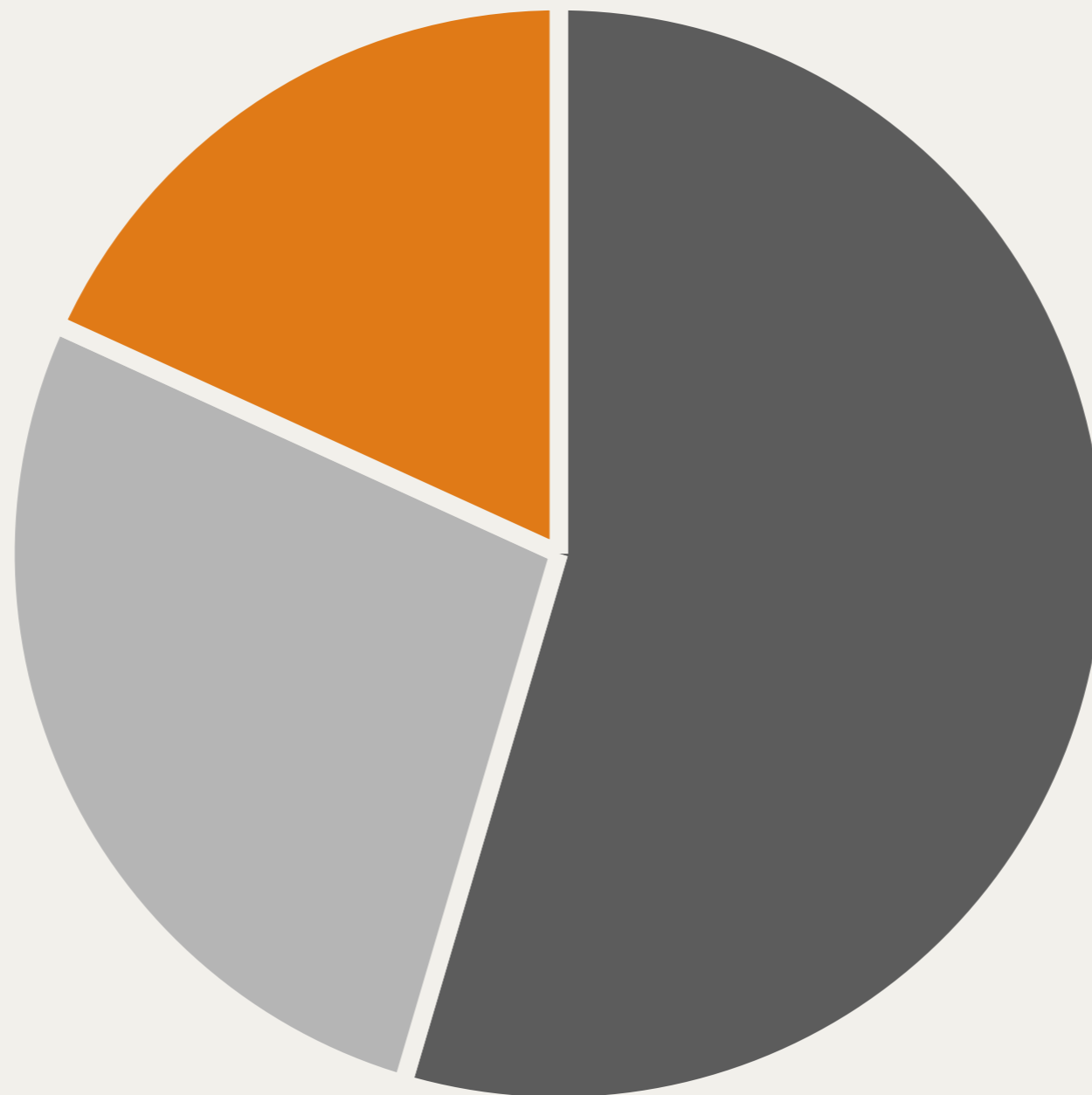


Stacked Bar



Series 0

— CandleStick —

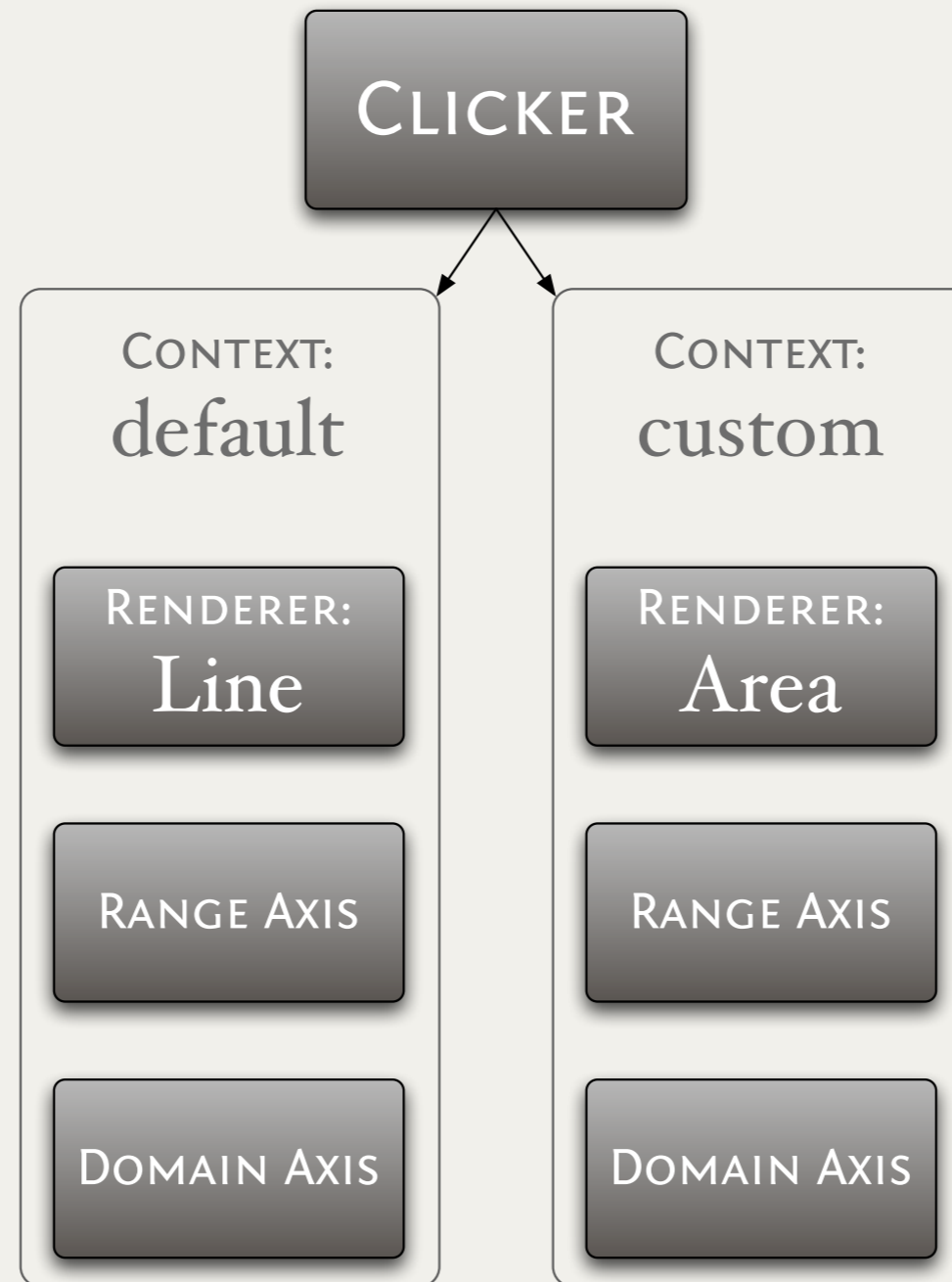


Series 0 Series 1 **Series 2**

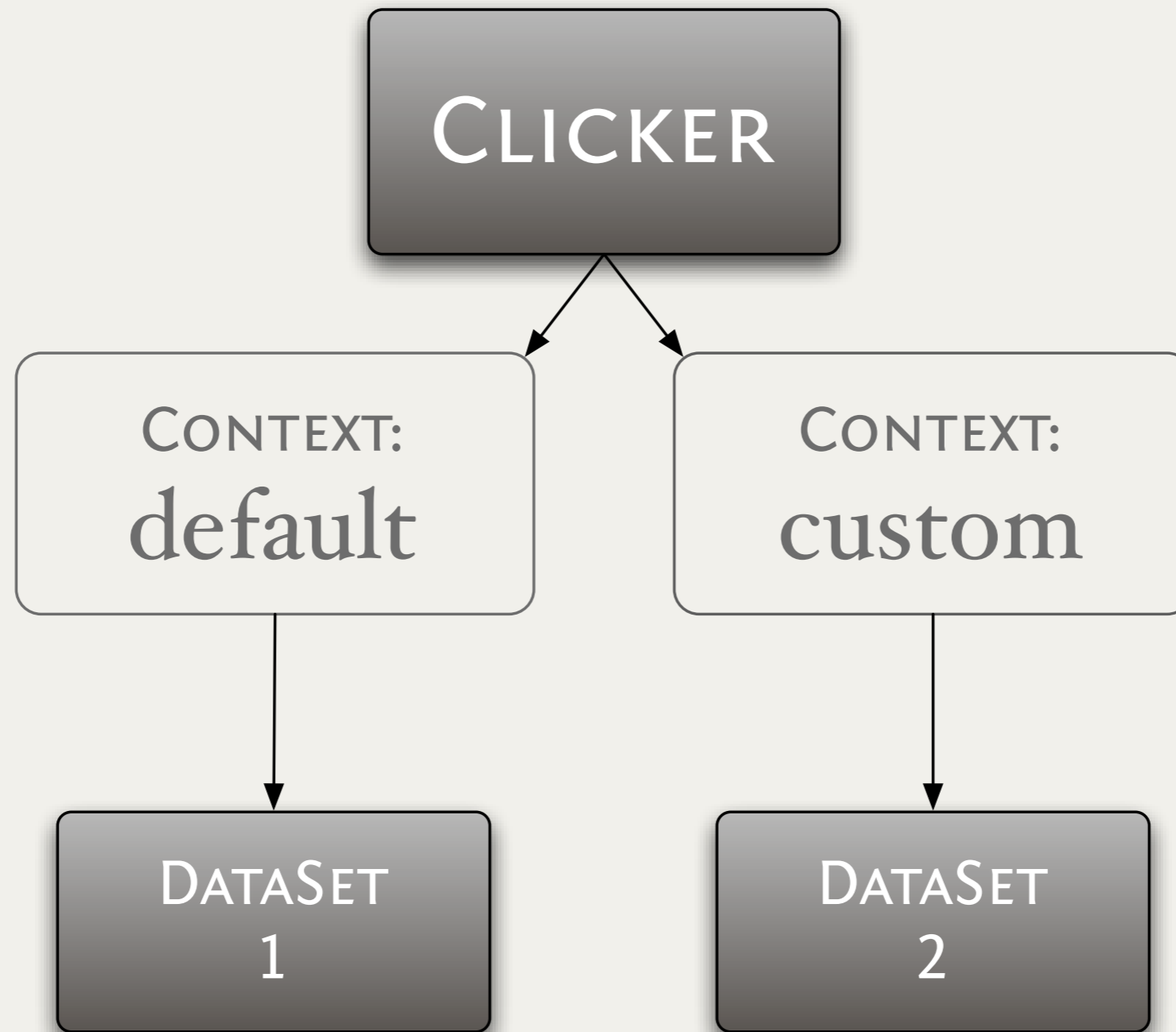
~ Pie ~

Contexts

- Has name, axes and renderer
- “default” exists... well... by default
- `$clicker->get_context('default')`



Make Your Own



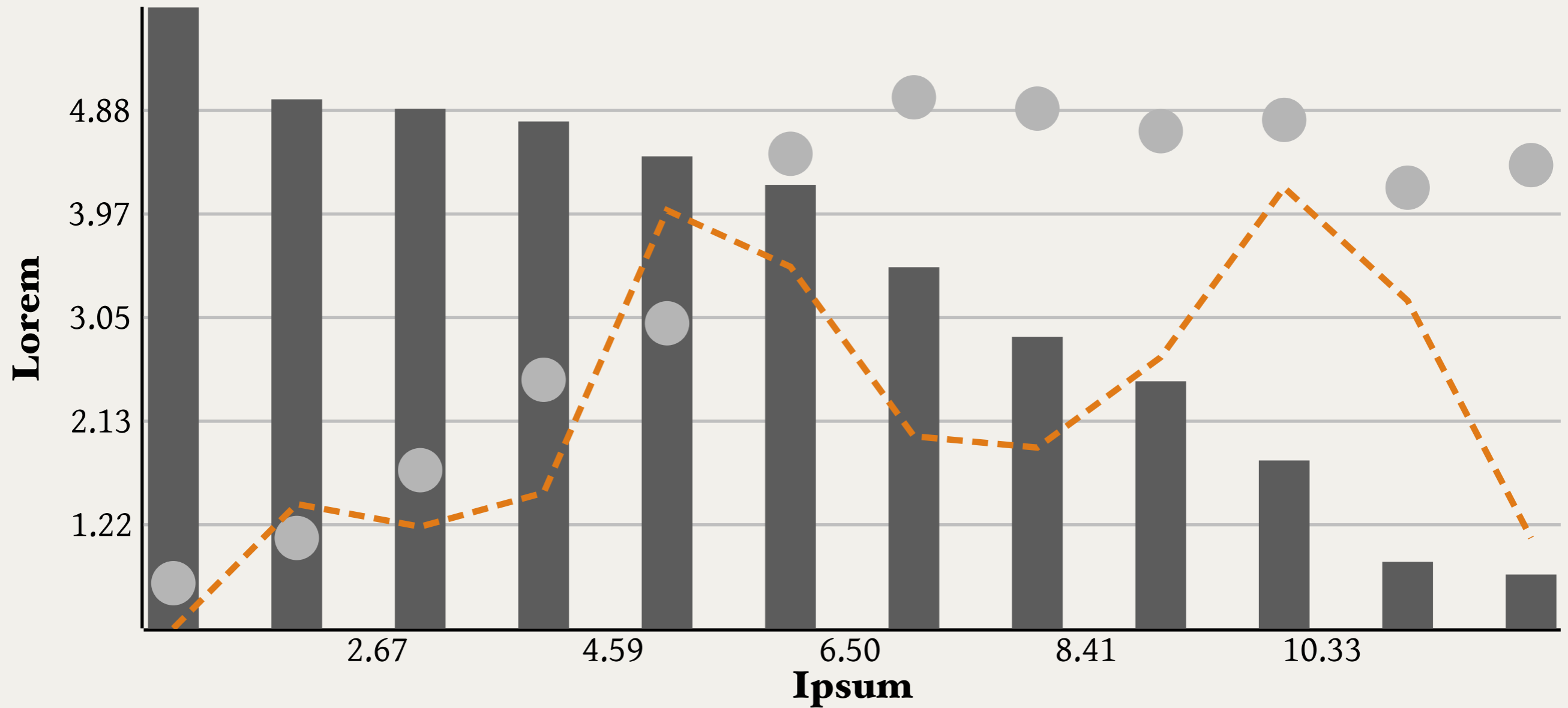
Connect The Data

More Contexts

```
my $context = Chart::Clicker::Context->new(  
  name => 'taxes',  
  renderer => Chart::Clicker::Renderer...->new  
);
```

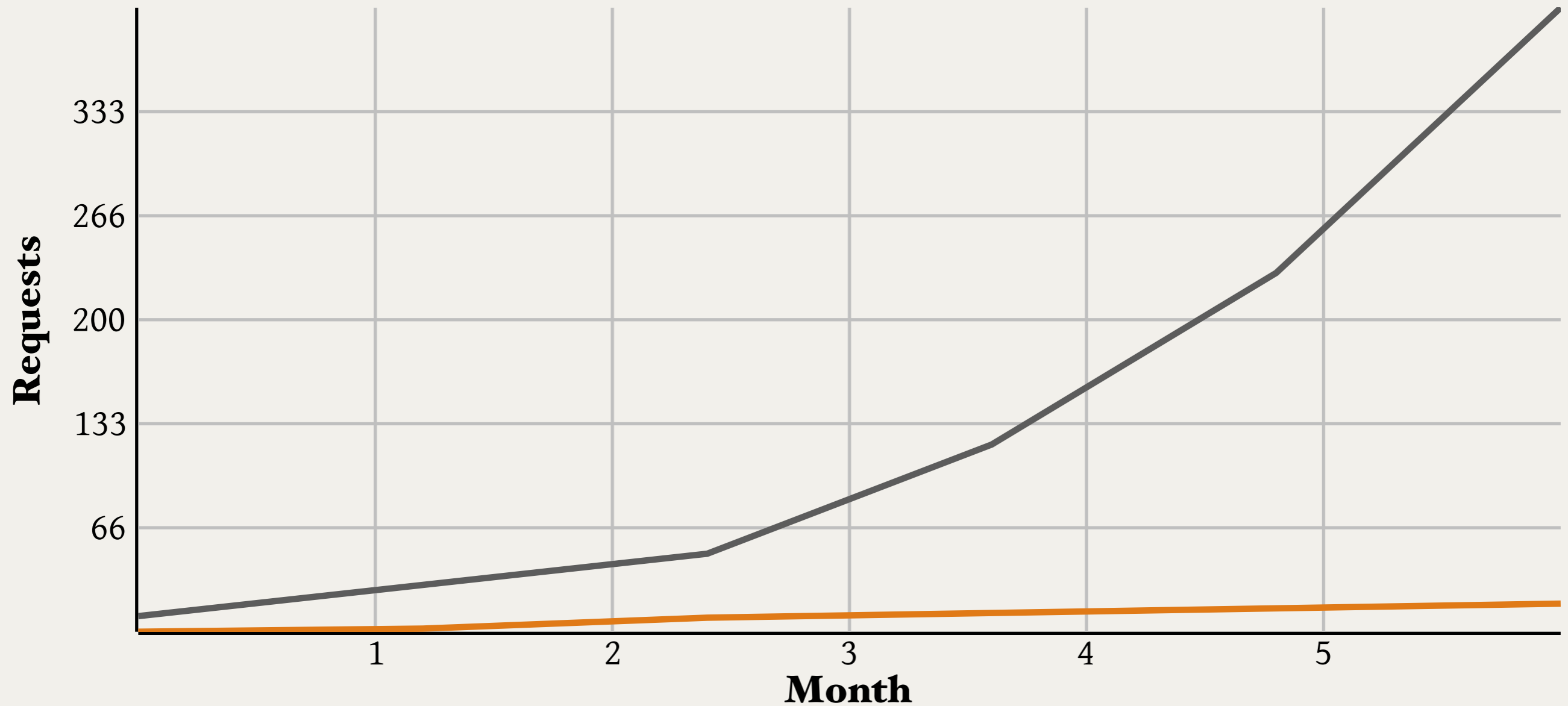
```
$clicker->add_to_contexts($context);
```

```
$ds->context('taxes');
```



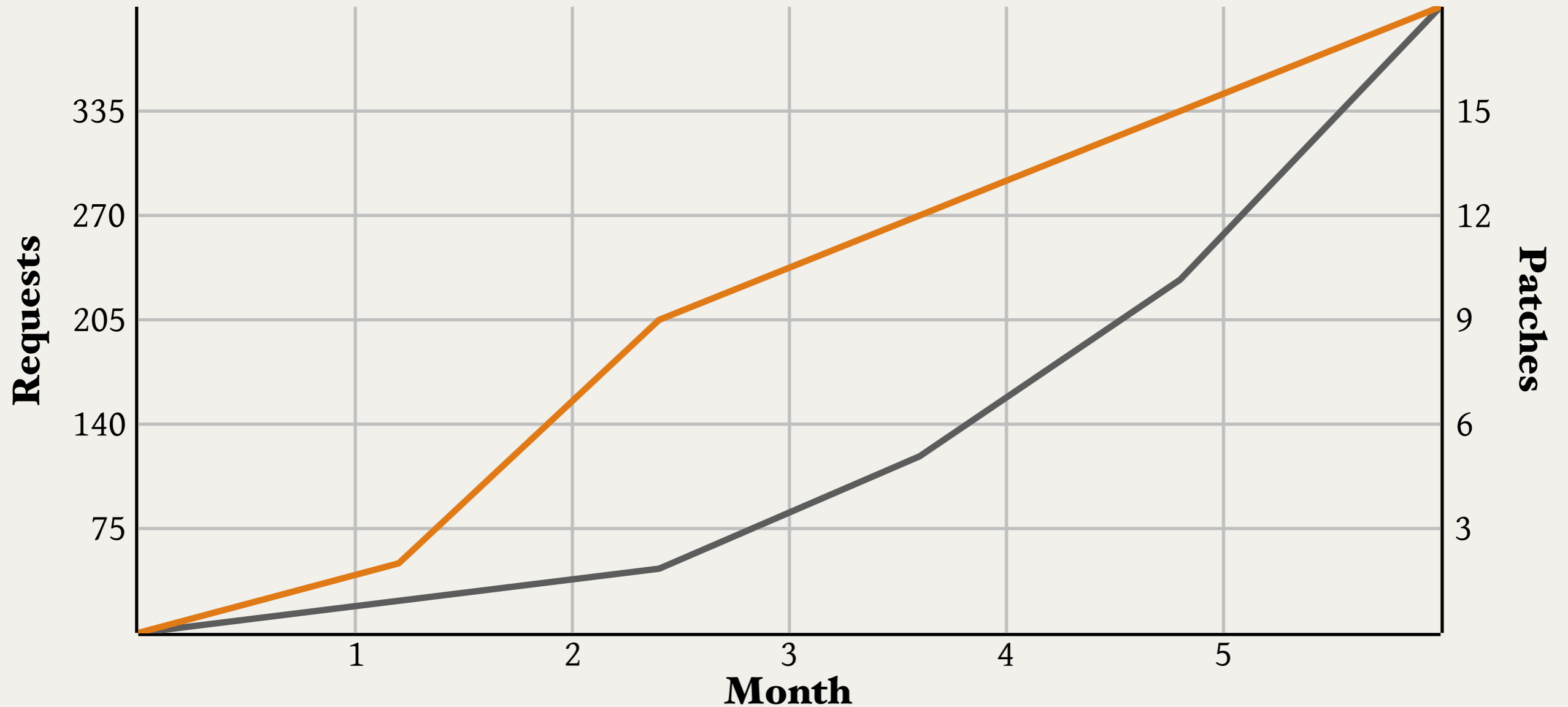
Series 0 Series 1 **Series 2**

Mixed Renderers



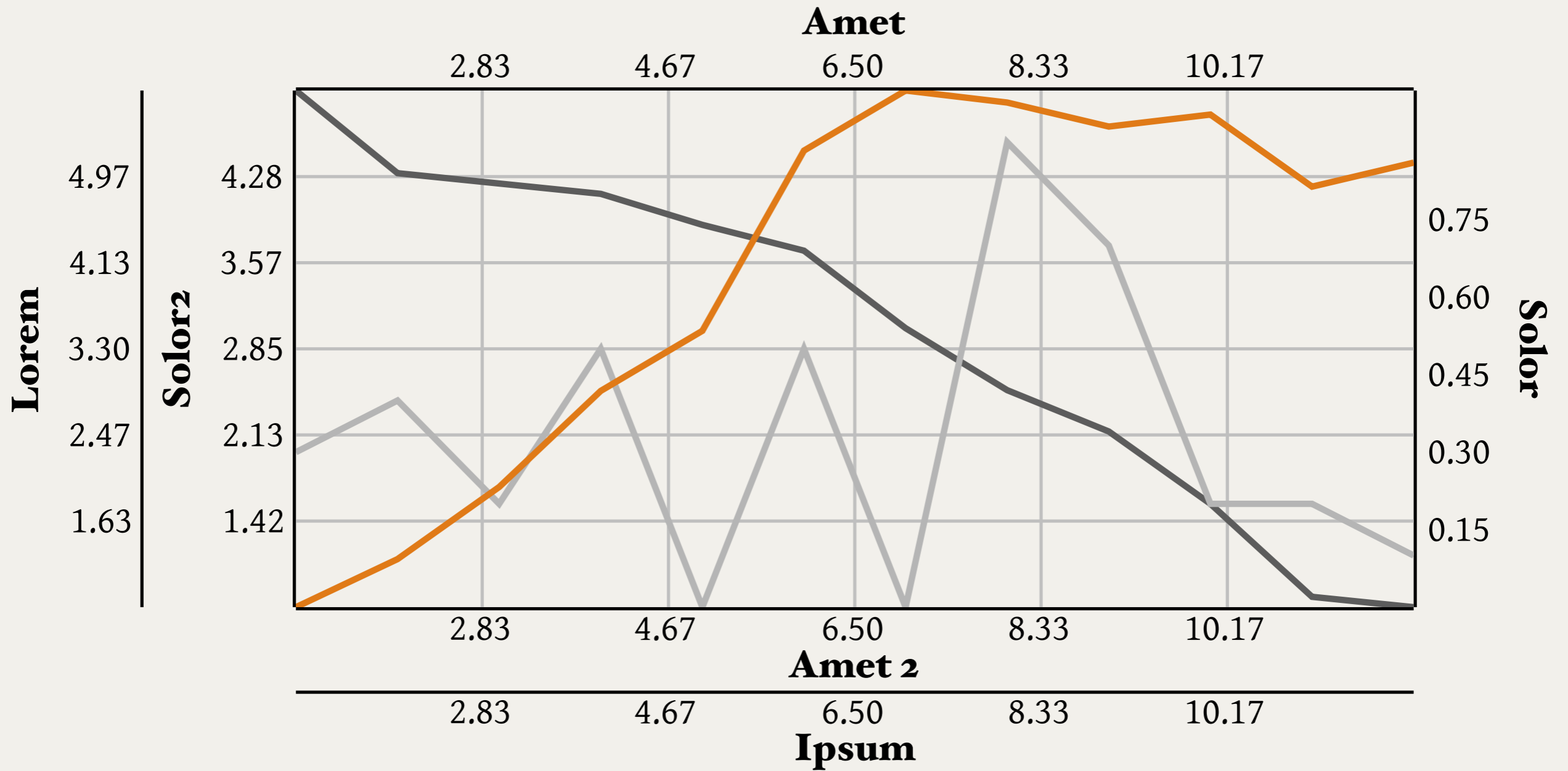
Feature Requests Patches

Multiple Axes

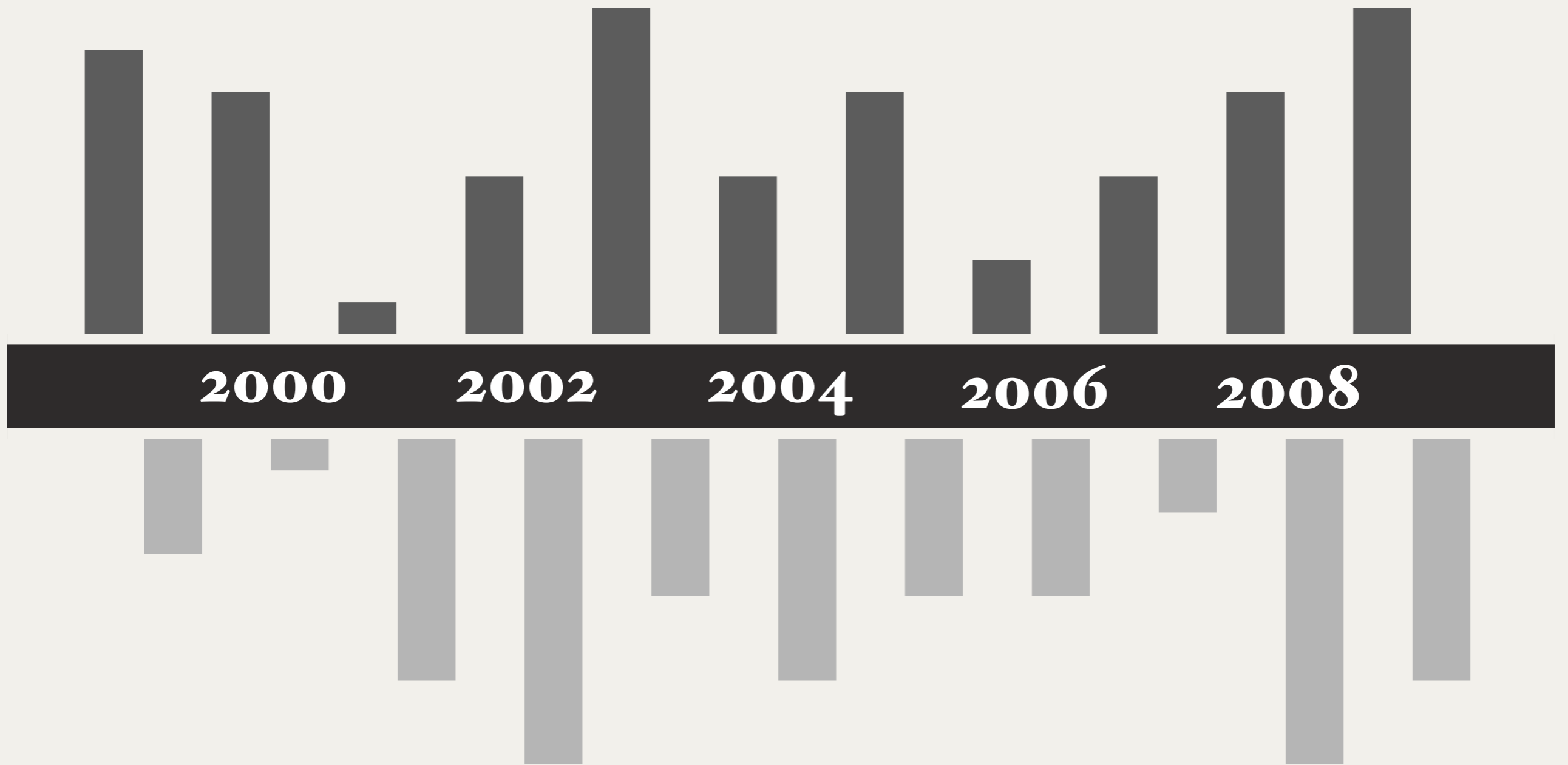


Feature Requests **Patches**

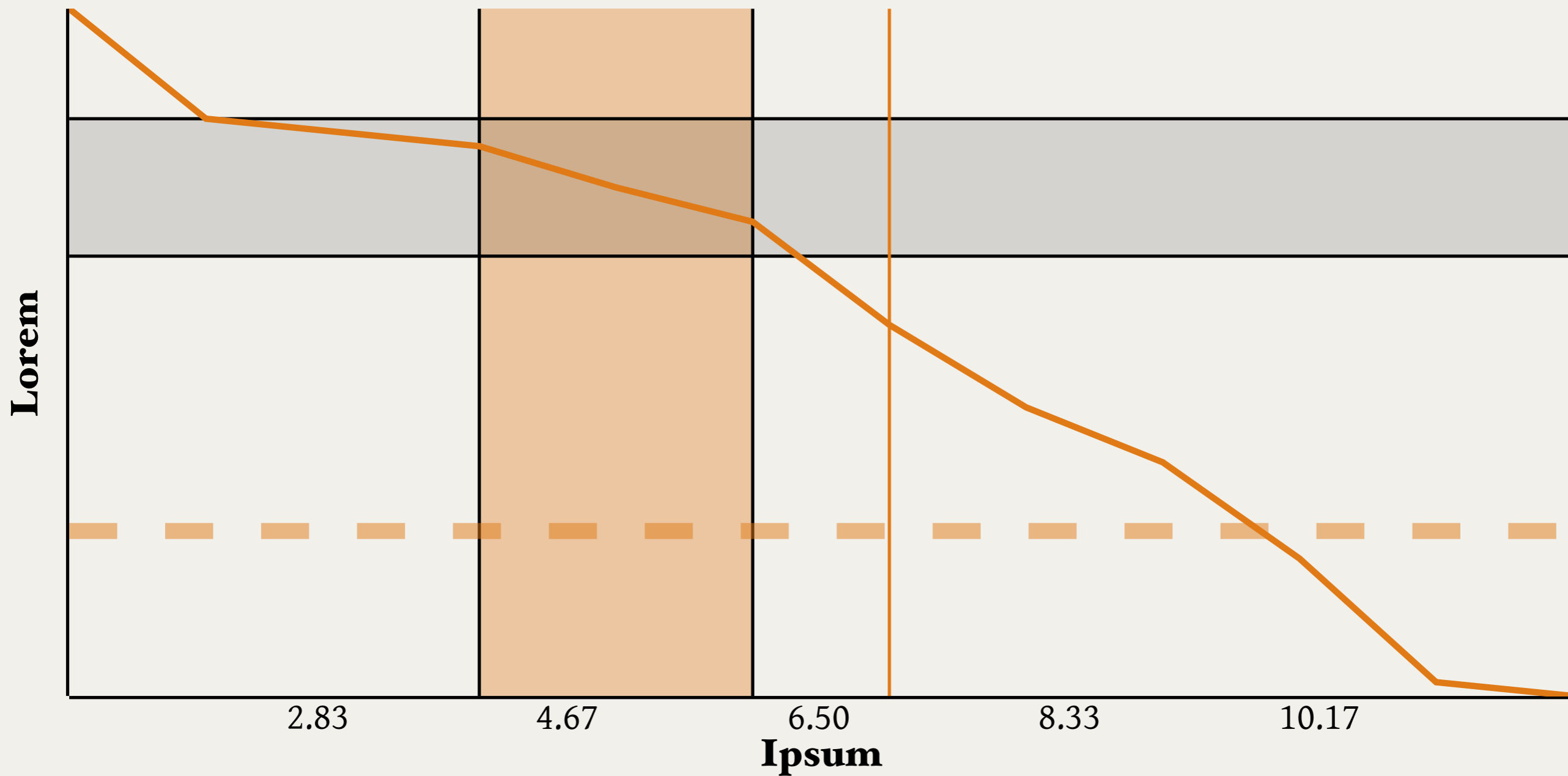
Multiple Axes



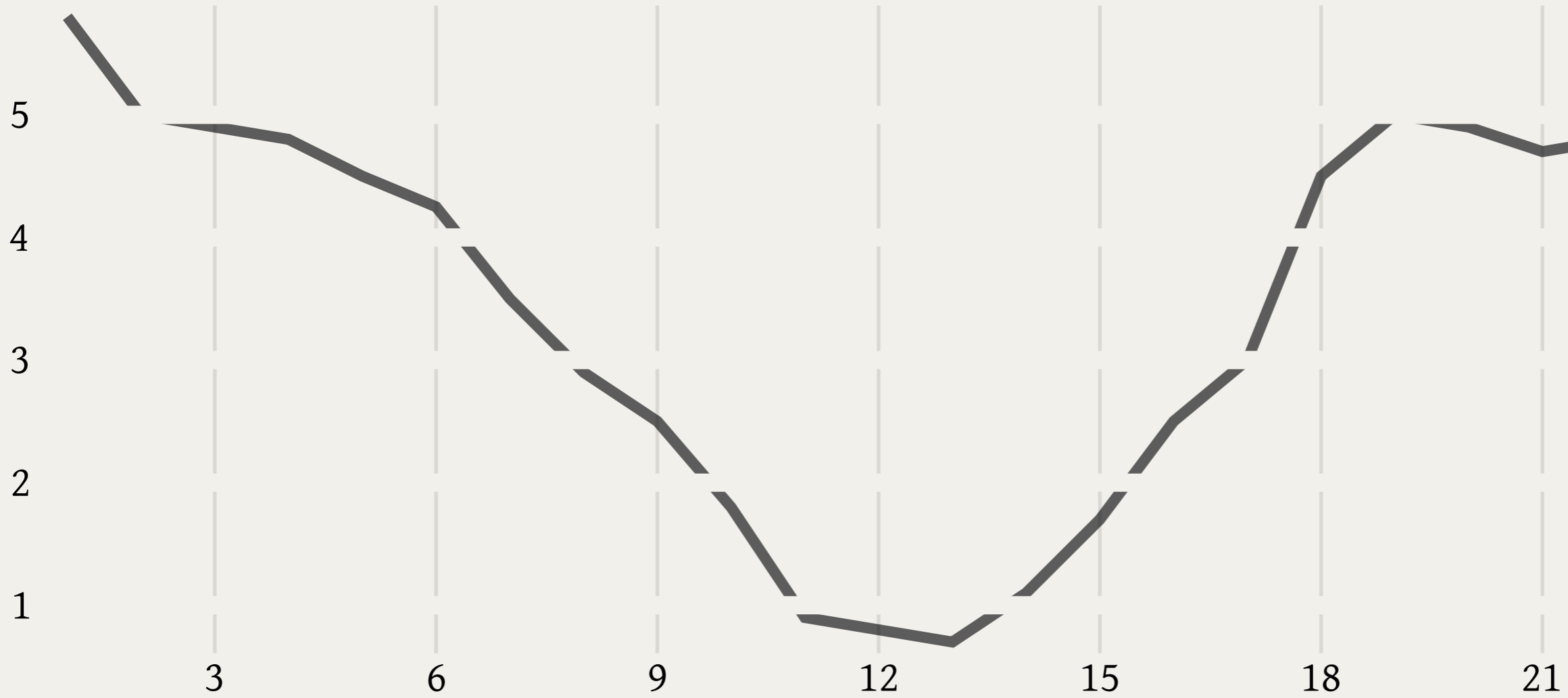
~ Crazy Axes ~



Custom Decorations



Highlight Data



Remove Chartjunk

Poor kerning.

Questions?

- irc.perl.org, #chart-clicker
- gphat@onemogin.com
- find me!

Colophon

- Opening: Scriptina @ 96pt
- Titling: Fontin Sans Small Caps @ 84pt
- Body & Labels: Hoefler Text @ 42pt
- Figures: Gentium @ 12pt
- Code: Alt Haas Grotesk @ 36pt
- Fleurons: Type Embellishments One LET @ 84pt
- Theme: Me, Photoshop CS3
- Charts: Chart::Clicker
- Presentation: Keynote '09