



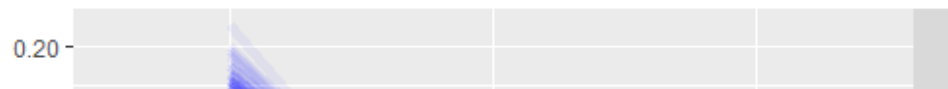
manually specifying different line transparencies in different facets on ggplot2

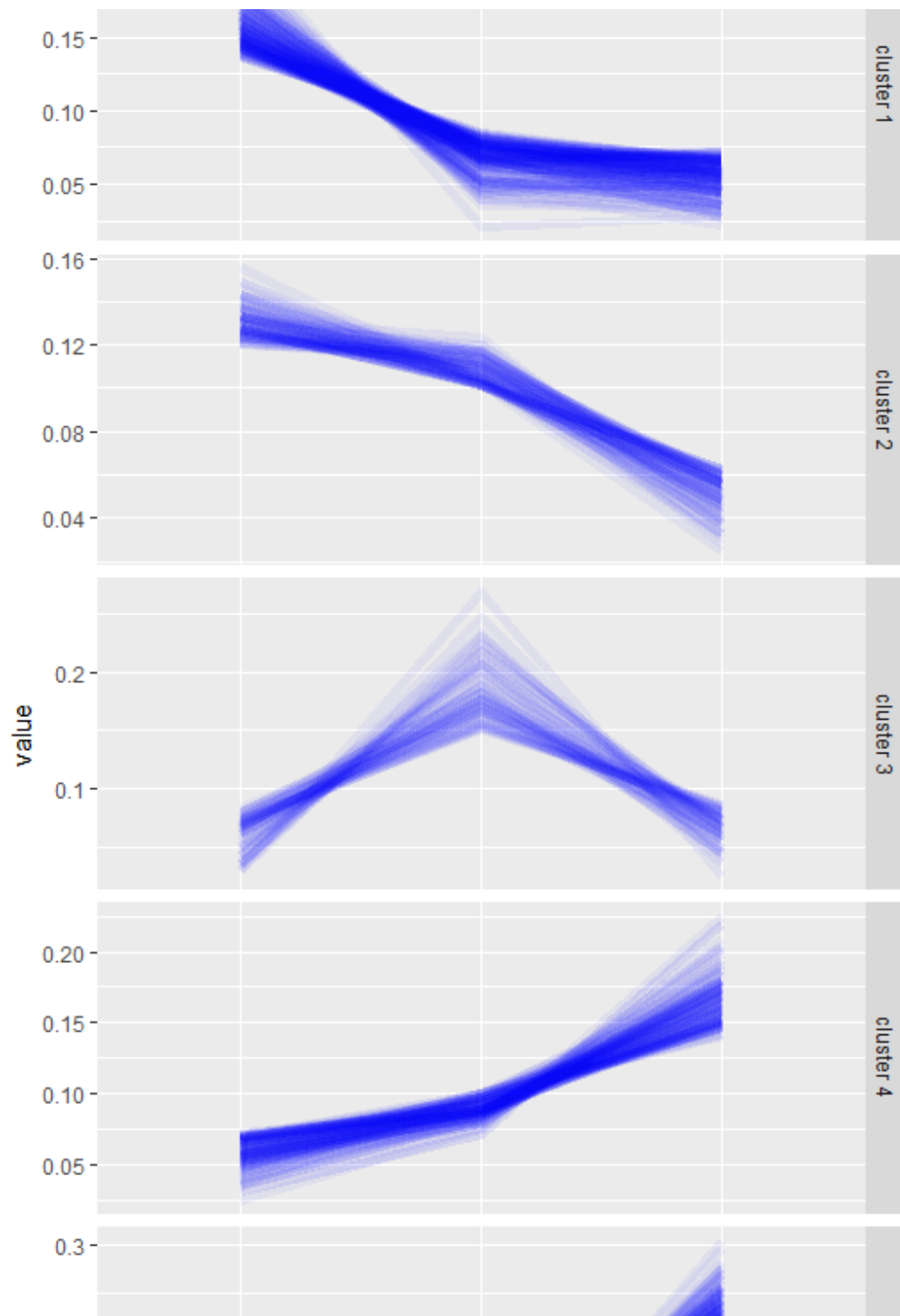
I have a table like this:

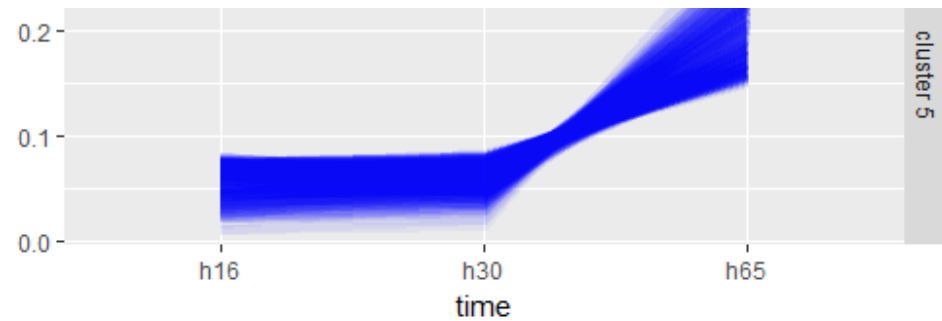
	cluster2 ↕	protName ↕	time ↕	value ↕	line_alpha ↕
1	cluster 1	O50513	h16	0.16452333	0.00177305
2	cluster 1	O54117; Q9L0F8	h16	0.14858934	0.00177305
3	cluster 1	O69850	h16	0.15436040	0.00177305
4	cluster 1	O69851	h16	0.14689862	0.00177305
5	cluster 1	O69876	h16	0.17520752	0.00177305
6	cluster 1	O69879	h16	0.15438074	0.00177305
7	cluster 1	O69972	h16	0.14511450	0.00177305
8	cluster 1	O86521	h16	0.14439541	0.00177305
9	cluster 1	O86525	h16	0.14716689	0.00177305
10	cluster 1	O86567	h16	0.14800014	0.00177305
11	cluster 1	O86655	h16	0.14129023	0.00177305
12	cluster 1	O86744	h16	0.14239651	0.00177305
13	cluster 1	O86775	h16	0.15916724	0.00177305
14	cluster 1	O86780	h16	0.19453981	0.00177305
15	cluster 1	O86804	h16	0.15870459	0.00177305
16	cluster 1	O86812	h16	0.14579786	0.00177305
17	cluster 1	O86823	h16	0.17598497	0.00177305

I use the following code to build this figure:

```
ggplot (protQuantClustPlot, aes (x=time, y=value, group = protName)) +
  facet_grid(cluster2~., scales = "free_y") +
  geom_line(col = "blue", size=2, alpha = 0.05 )
```







as you can expect the lines in the facets have the same transparency.

However I need to specify five transparencies for the five different facets. I thought that the most intuitive way would be to add a column to the table with these transparencies (which I did and called it "line_alpha"). How do I tell ggplot2 that I want the transparency for the line to be taken from this column?

r ggplot2

asked 5 mins ago



Pavel Shliaha

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Specify it using `aes(alpha = line_alpha)` either within your `geom_line` call or within your `aes` in your `ggplot` call – [bouncyball](#) 3 mins ago