Metro Viz: Visual Analysis of Public Transportation Data

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Initial Thoughts

- This could be super useful. However, I can't help but think of it in a consumer frame of mind. I keep thinking that, as a consumer, I'd want this in some easy to understand form.
- I really liked your donut views. I kind of wish that I had a special view that would just show me the donuts.
- It looks really useful! I think there's room for additional design, but **it looks great guys! I can't imagine many better ways to display this data!**

Pros

- Displays large quantities of useful, difficult to display data.
- Showing both the minutes early and the minutes late allows bus dispatchers to better understand what's actually happening on the roads.
- I love the overview of daily adherence. Really well done there.

Cons

- I think that your axes need labels. It's not clear to me immediately what's being graphed.
- Really just overall, I feel like additional labels are important. Additionally, I think that it might be nice to graph "volatility" instead of early/late. If an inspector wished to view how early/late the busses were they could click on a volatile slice and be presented with the breakdown.

Suggestions

- I think that a timeline chart would be useful as well. Showing all in one place the series of events. Sort of show, "Arrived 5 min late" then "13 people boarded, 2 left". "Then arrived 4 min early". Basically just merge the two views you have. This could look very nice.
- A "by driver" view. For each driver, show their volatility at each stop. I feel like a lot of information could be gained by viewing by driver. (I understand that you probably don't have this info).
- I would liked to have had an opportunity to play with the demo, but it
- You'll notice that at the end of your video at 4:28 you had two bars extending below the bottom of the view. You should probably make sure that this doesn't happen.