

## Twitter Thread by Lior Pachter



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@lpachter



### "The new answer to a 77-year-old problem"



The new answer to a 77-year-old problem in data analysis, published today in @naturemethods. Instead of significance tests, use estimation graphics. Our software suite DABEST makes it easy for everyone to visualize effect sizes. <https://t.co/UzwXJ7EUC5> [pic.twitter.com/VtxyY0xaRM](https://t.co/VtxyY0xaRM)

— Adam Claridge-Chang (@adamcchang) June 19, 2019

<https://t.co/hm9NoaU4nr>

Open letter to journal editors: dynamite plots must die. Dynamite plots, also known as bar and line graphs, hide important information. Editors should require authors to show readers the data and avoid these plots.

<https://t.co/0GNKEIUCJL> [pic.twitter.com/OS9ytEFRZN](https://t.co/OS9ytEFRZN)

— Rafael Irizarry (@rafalab) February 22, 2019

<https://t.co/8fKDiKjSWc>

Couldn't find D3 code for grouped horizontal box plots that show data points so I made this @mbostock @thisisalfie

<https://t.co/cQjDPhyZdw> [pic.twitter.com/y6RNmDB2p3](https://t.co/y6RNmDB2p3)

— Ulrik Lyngs (@ulyngs) June 28, 2017

<https://t.co/jkaicC1F2x>

made a pkg for pirate plots in ggplot: add any of points/means/bars/CIs/violins \u2013 better than ye olde bar/box plots <https://t.co/Z2m2kW3hsl> [pic.twitter.com/npAirPQexM](https://t.co/npAirPQexM)

— Mika Braginsky (@mbraginsky) September 28, 2017

<https://t.co/PpxWT4Jef4>

See the new [#PowerBI](#) visual awesomeness for data points & sources, box-&-whisker plots!

<https://t.co/dOmgoxWfDE> [pic.twitter.com/HAUOAMJEJW](https://t.co/HAUOAMJEJW)

— Microsoft Power BI (@MSPowerBI) [February 1, 2016](#)

<https://t.co/cGQyg9kuOA>

On bar/line graphs, & data presentation. Need for strict data treatment <https://t.co/8aqICdCX9K> [@PLOSbiology](#)  
[pic.twitter.com/KQkYKdmWq7](https://t.co/KQkYKdmWq7)

— Crisanto Gutierrez (@CG\_ath) [November 30, 2015](#)

<https://t.co/2wwPQa8CQ5>

\U0001f62e pretty stoked on this PR in the pipeline\U00002026

"Nonstandard aesthetics" by [@ClausWilke](#) {ggplot2} <https://t.co/X9hkxX44jo> [#rstats](#) [#dataviz](#)  
[pic.twitter.com/gKIEU8Gxa3](https://t.co/gKIEU8Gxa3)

— Mara Averick (@dataandme) [May 10, 2018](#)

<https://t.co/7yNW4KgCPi>

Perceptions of probability <https://t.co/9xsr6FUR2e> shown by [@amandacox](#) [#openvisconf](#) [pic.twitter.com/hJsYY7ggB3](https://t.co/hJsYY7ggB3)

— Rob Simmon (@rsimmon) [April 25, 2017](#)

You've come this far and you're thinking... oh... but plot the difference...

Ok. <https://t.co/ifP2RNpLIn>

Or this. <https://t.co/gwF3u4BVGQ>

I will say, box plots / dynamite plots are a terrible way to display data and too many people still use them. But people make a lot of poor choices in their figures. Since you've come this far I'll share this ultimate useless figure... enjoy Figure 1...

<https://t.co/ql1RUtK0Fn>