Twitter Thread by Lior Pachter



Lior Pachter
@lpachter

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

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> 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
>
> — 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
>
> — Rafael Irizarry (@rafalab) February 22, 2019

https://t.co/8fKDiKjSWc

> Couldn't find D3 code for grouped horisontal box plots that show data points so I made this @mbostock @thisisalfie https://t.co/cQjDPhyZdw pic.twitter.com/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 plotshttps://t.co/Z2m2kW3hsl pic.twitter.com/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
>
> — 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
>
> — Crisanto Gutierrez (@CG_ath) November 30, 2015

https://t.co/2wwPQa8CQ5

> \U0001f62e pretty stoked on this PR in the pipeline\u2026
> "Nonstandard aesthetics" by @ClausWilke {ggplot2} https://t.co/X9hkxX44jo #rstats #dataviz pic.twitter.com/gKlEU8Gxa3
>
> — 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
>
> — 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/qI1RUtK0Fn