

The failure of the 2021 FMCO in Penang

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Overview

- 1 A mathematical principle
- 2 Why did the 2021 FMCO fail?
- 3 Conclusion

“Averages are dangerous in the absence of equidistribution.”

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$$\text{RM } \frac{50,000 + 50,000 + 50,000 + 40 \text{ billion}}{4} \approx \text{RM } 10 \text{ billion.}$$

Moral of the Story?

When we have extreme outliers, the average is a bad measure.

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- R_0 for COVID-19 is about 1 – 3 (or 5 – 8 for delta).

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- 25? Yes, **TWENTY FIVE, DUA PULUH LIMA!**

(Continued)

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- Total cases** from workplaces = 40%, but their contribution to the R_0 is **huge**!
- A small subset of cases can be the cause of most of your problems.

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Punchline: If there were no workplace clusters in the first 6 weeks of lockdown, can make **very strong** argument that COVID-19 would have decreased **tremendously** in Penang.

Other places

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- Can a similar analysis be done as in the case of workplaces?

Small detour: Priority Fitness Penang



Figure: 3rd rep of 125kg on the deadlift

- Workplaces (Factories, construction sites, etc) are the root cause of the problem, but we bend over backwards for them to stay open **at all costs**.

- Workplaces (Factories, construction sites, etc) are the root cause of the problem, but we bend over backwards for them to stay open **at all costs**.
- But we do not allow gyms, sports facilities, movies, etc to open, not even for those fully vaccinated!

“Those who mistake the unessential to be essential and the essential to be unessential, dwelling in wrong thoughts, never arrive at the essential.” (Dhammapada, Chapter 1:11)

Thank you. And I'll take any questions from here.