

Covid variants

through time

Coronavirus variants

- Alpha
- Delta
- Omicron

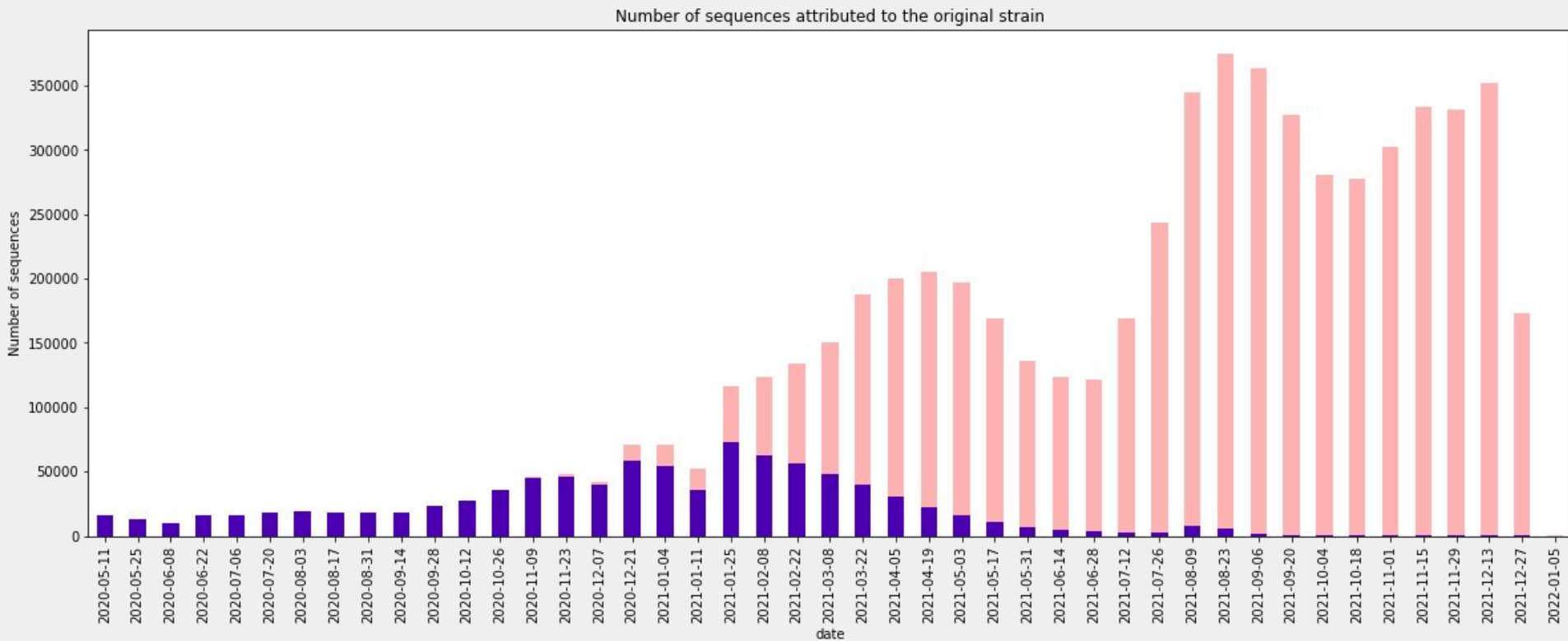
- 22 distinct variants
- non_who (original novel coronavirus)
- other

Questions:

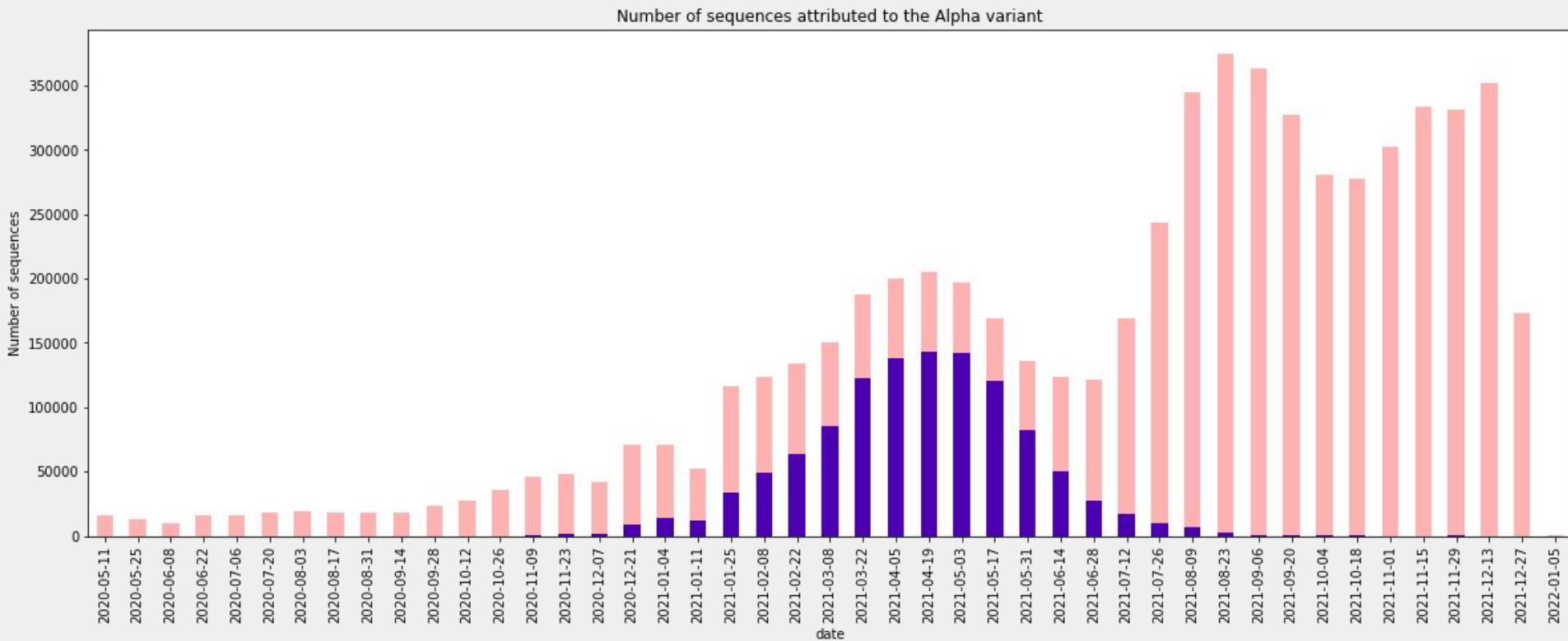
- How much does each major variant contribute to total cases over time?
- How do different countries compare?
- How fast does each major variant grow? What might this tell us about the future of Omicron variant?

**How much does each major variant
contribute to total cases over
time?**

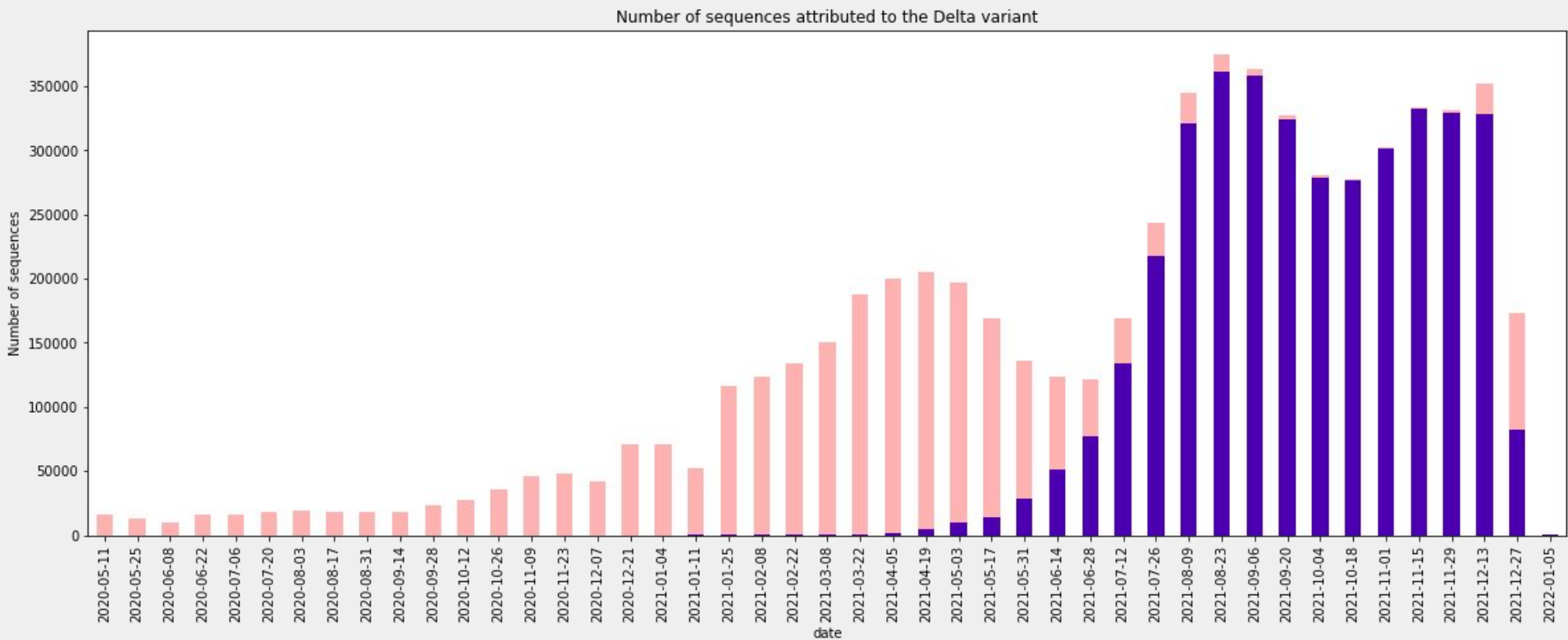
Original Covid



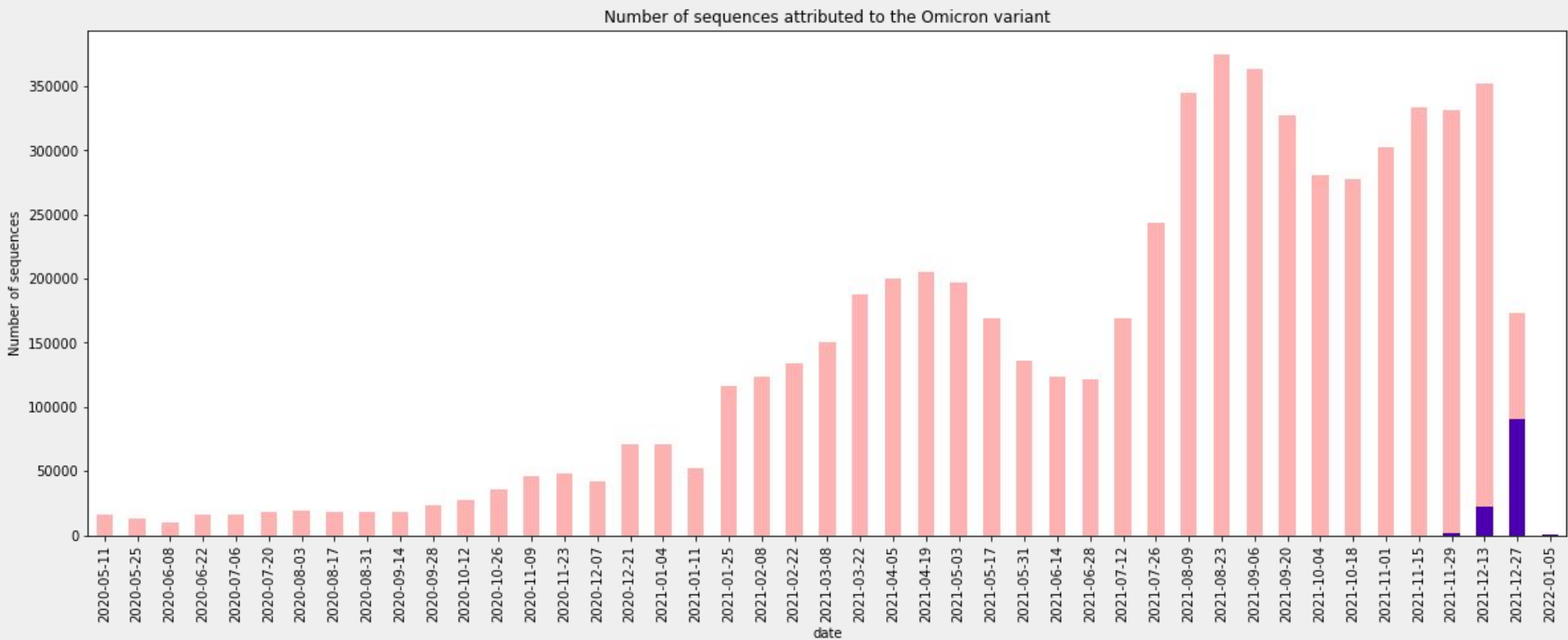
Alpha



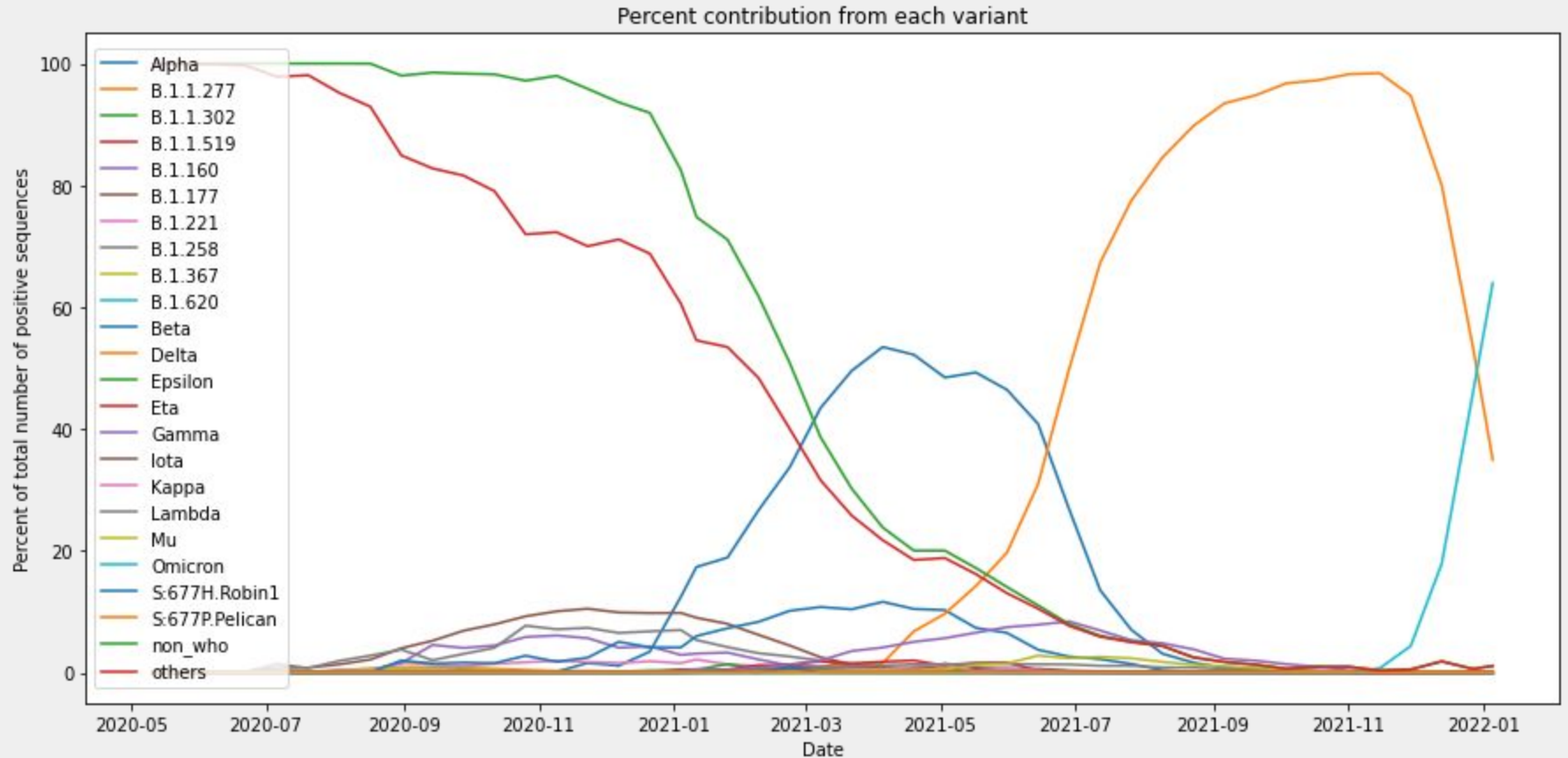
Delta



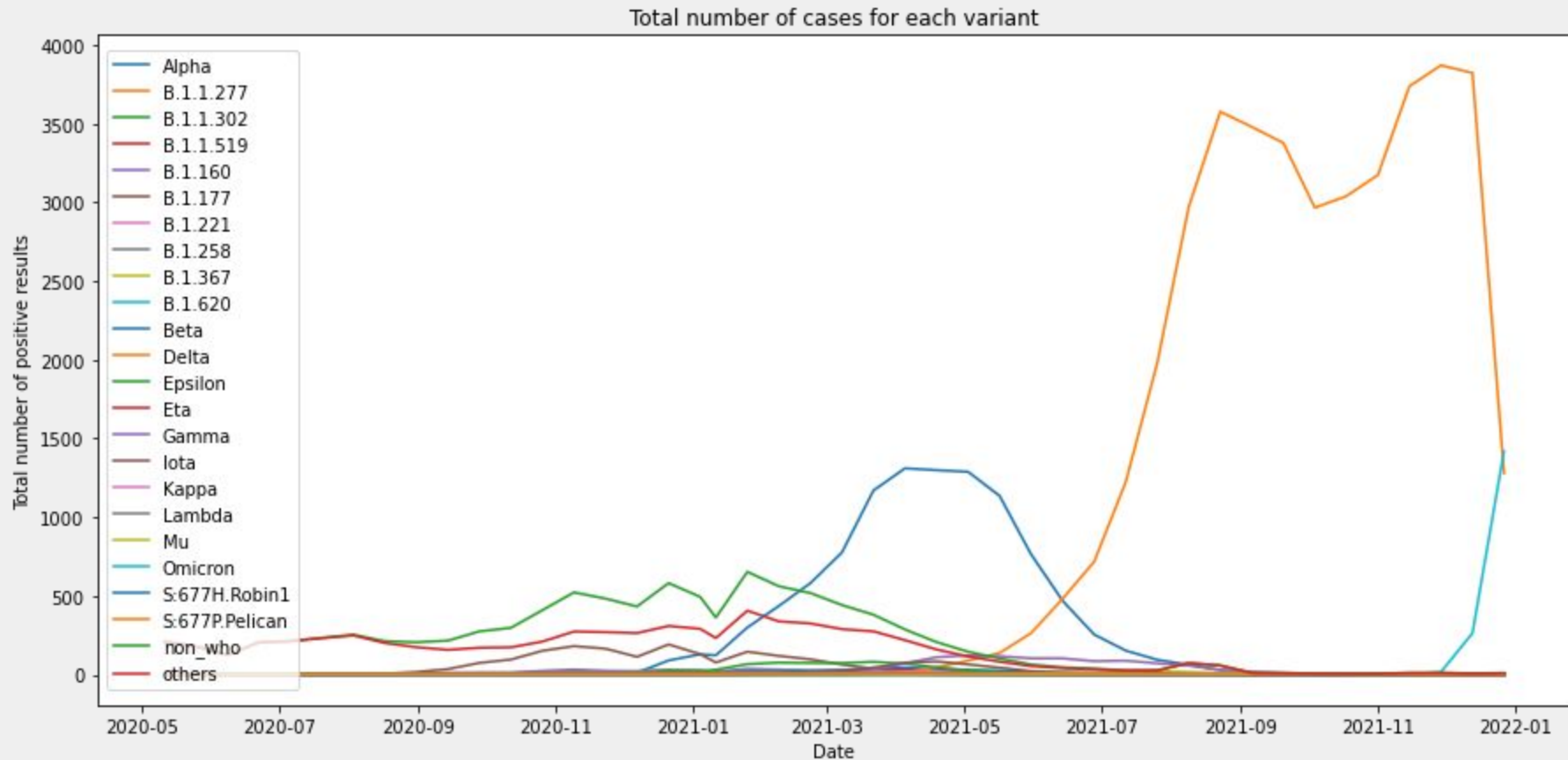
Omicron



Percent contribution per variant over time

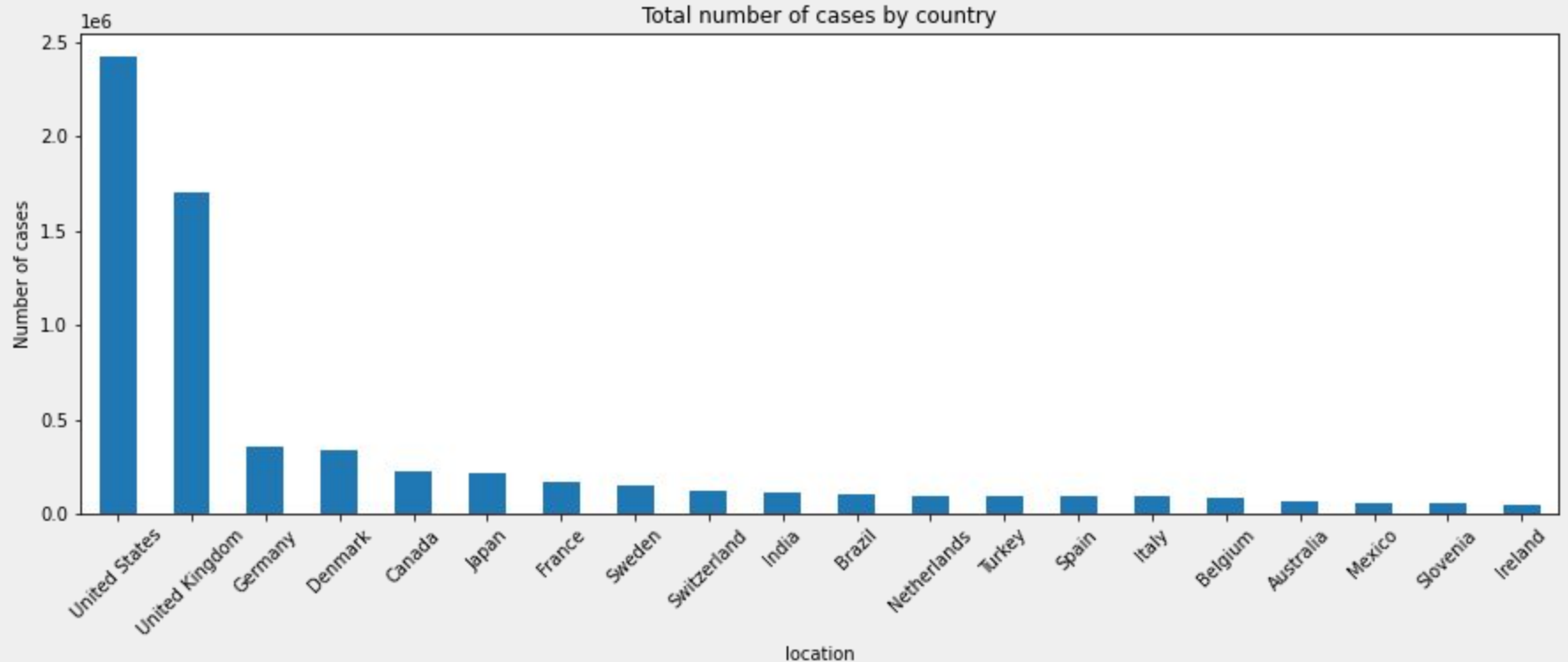


Number of cases by variant through time

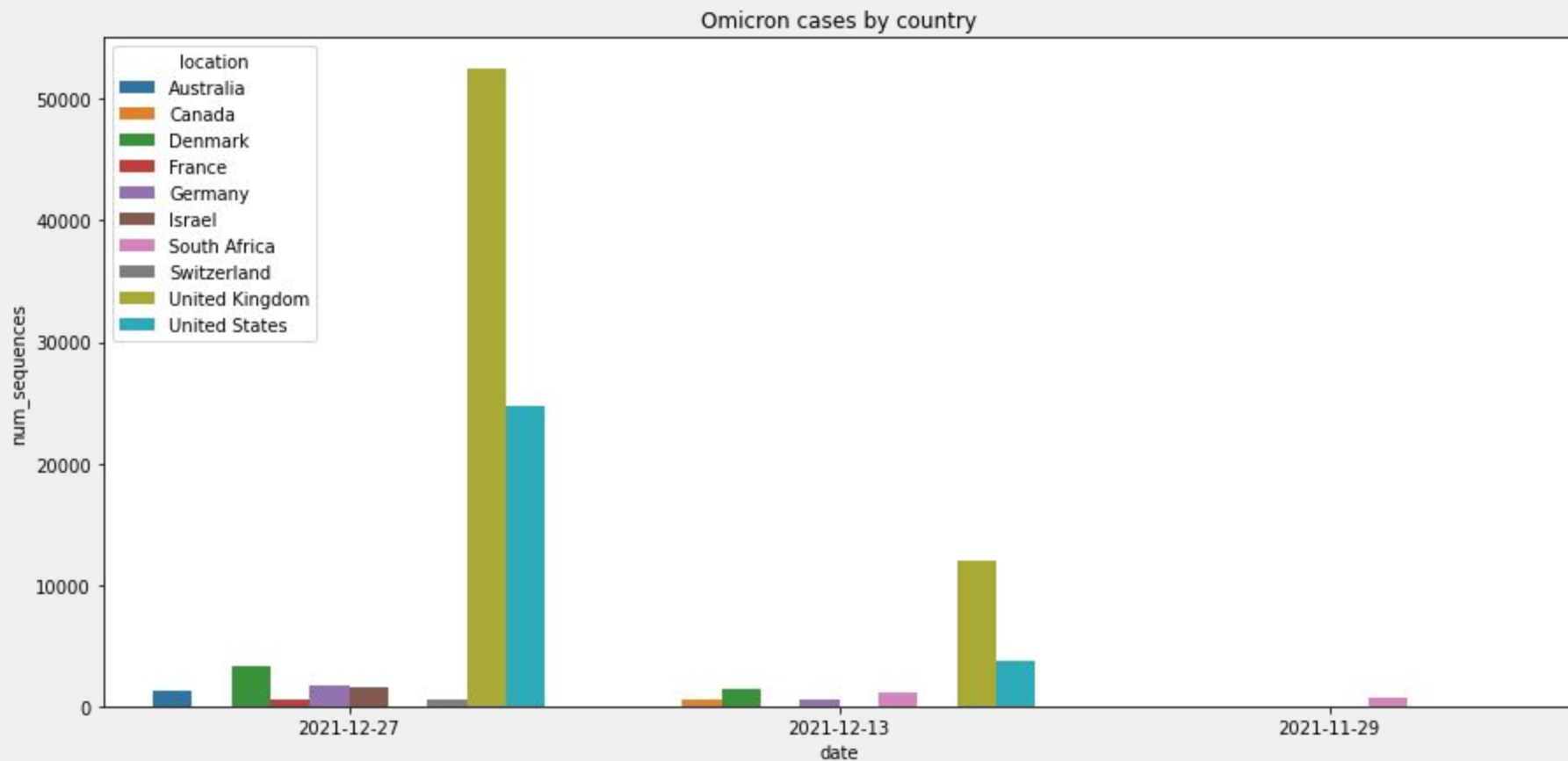


How do different countries compare?

Total cases per country (all variants)



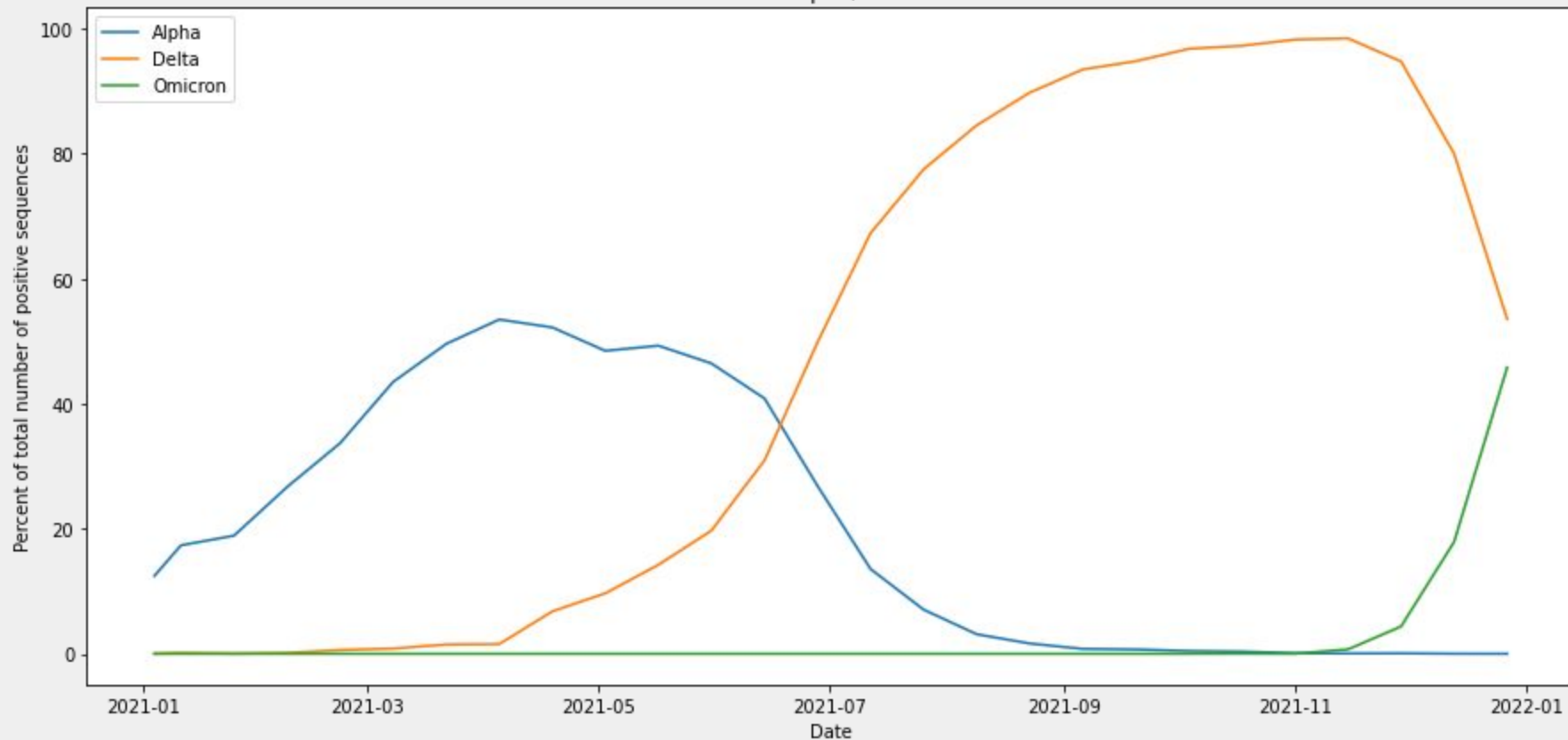
Omicron by country



How fast does each major variant grow? What might this tell us about the future of Omicron variant?

Most dominant variants of 2021

Percent contribution from Alpha, Delta and Omicron in 2021



Future of pandemic

- **Omicron has a much faster growth rate than previous major variants**
- **A higher growth rate of Delta (compared to Alpha) correlates with larger total cases**
- **Biggest spike so far with Omicron and potentially for longer time!!**