



ANALYTHIUM

BRIDGING THE GAP BETWEEN LARGE DATA AND SOUND BUSINESS DECISION-MAKING

JUNE 12, 2020
EnviroTech 2020

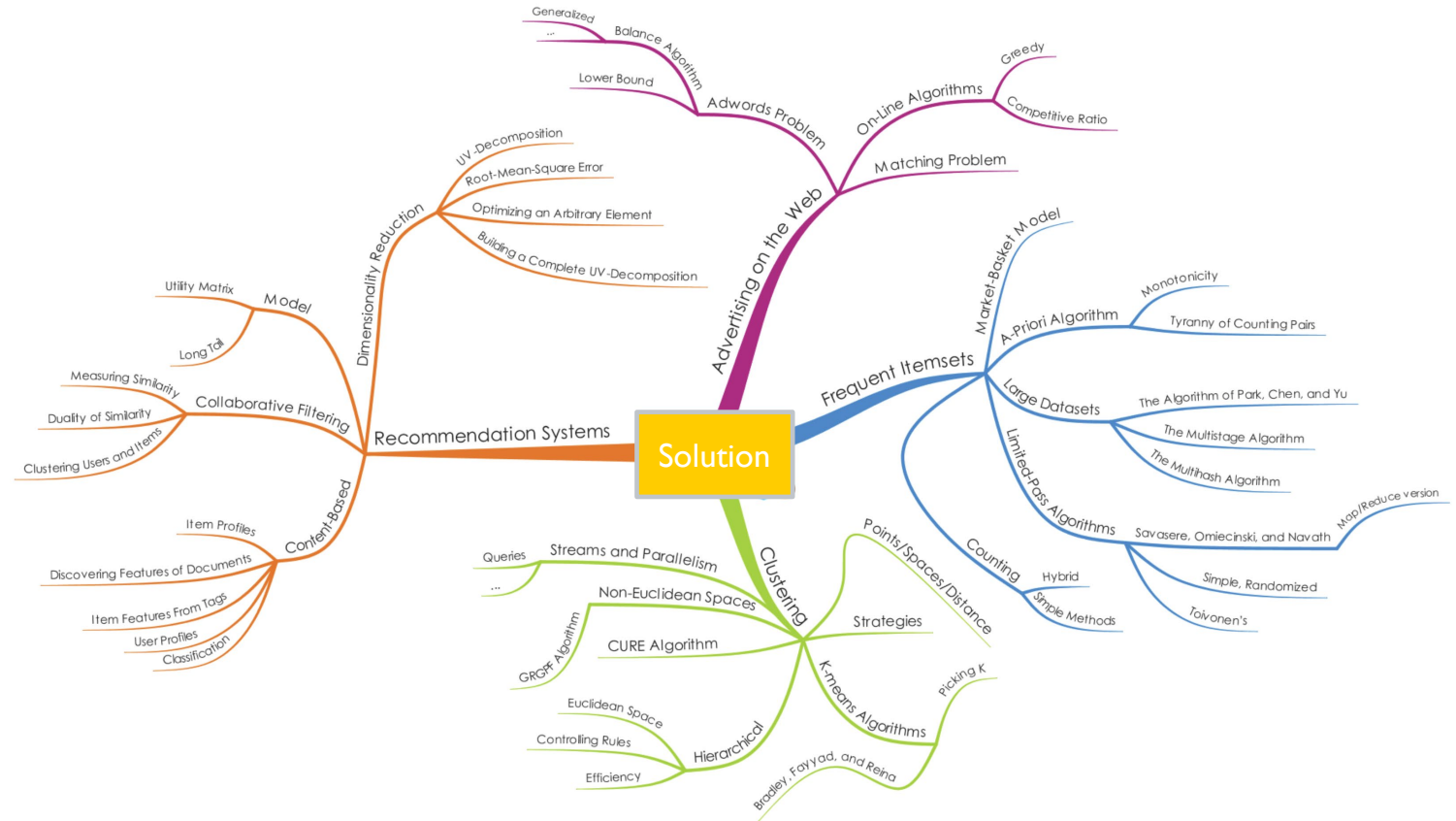
PRESENTATION OUTLINE

I. The Problem

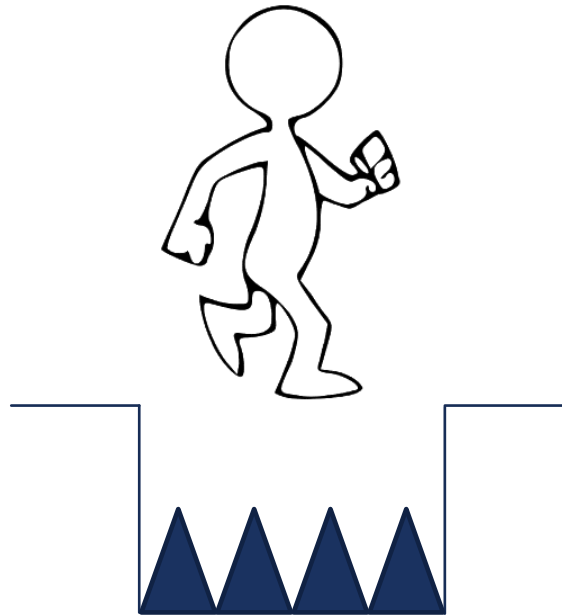
- a) Massive Data – the missing link
- b) Interpretation
- c) Present conclusions clearly

2. Solution

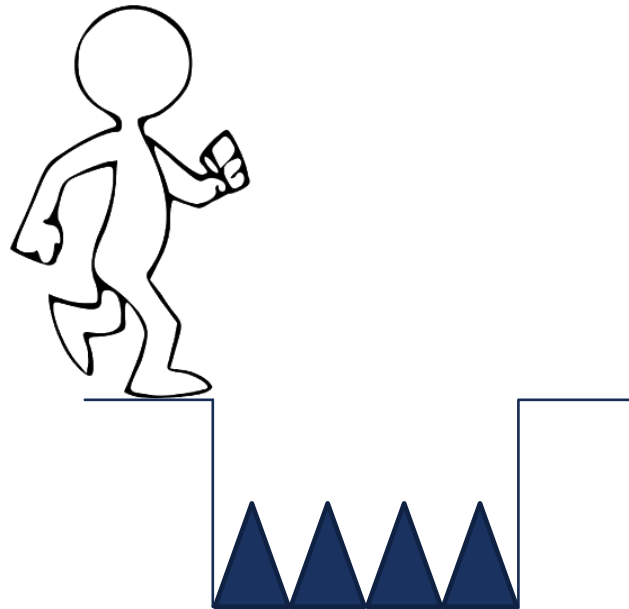
- a) Efficiency through automation
- b) Increase quality with sound science



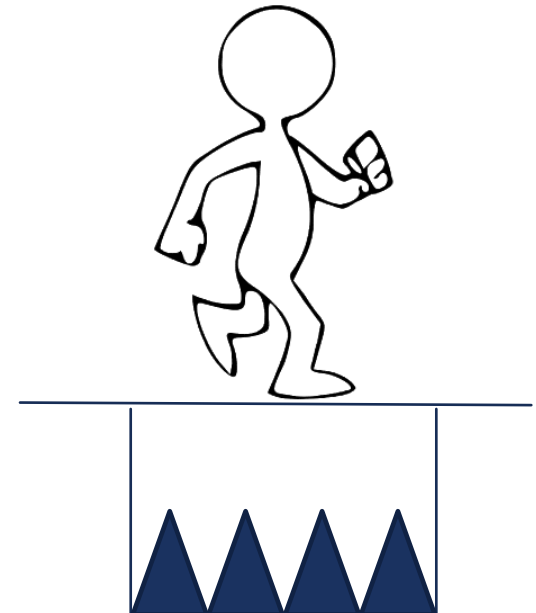
CLEARLY, THERE IS A PROBLEM



Current Risk



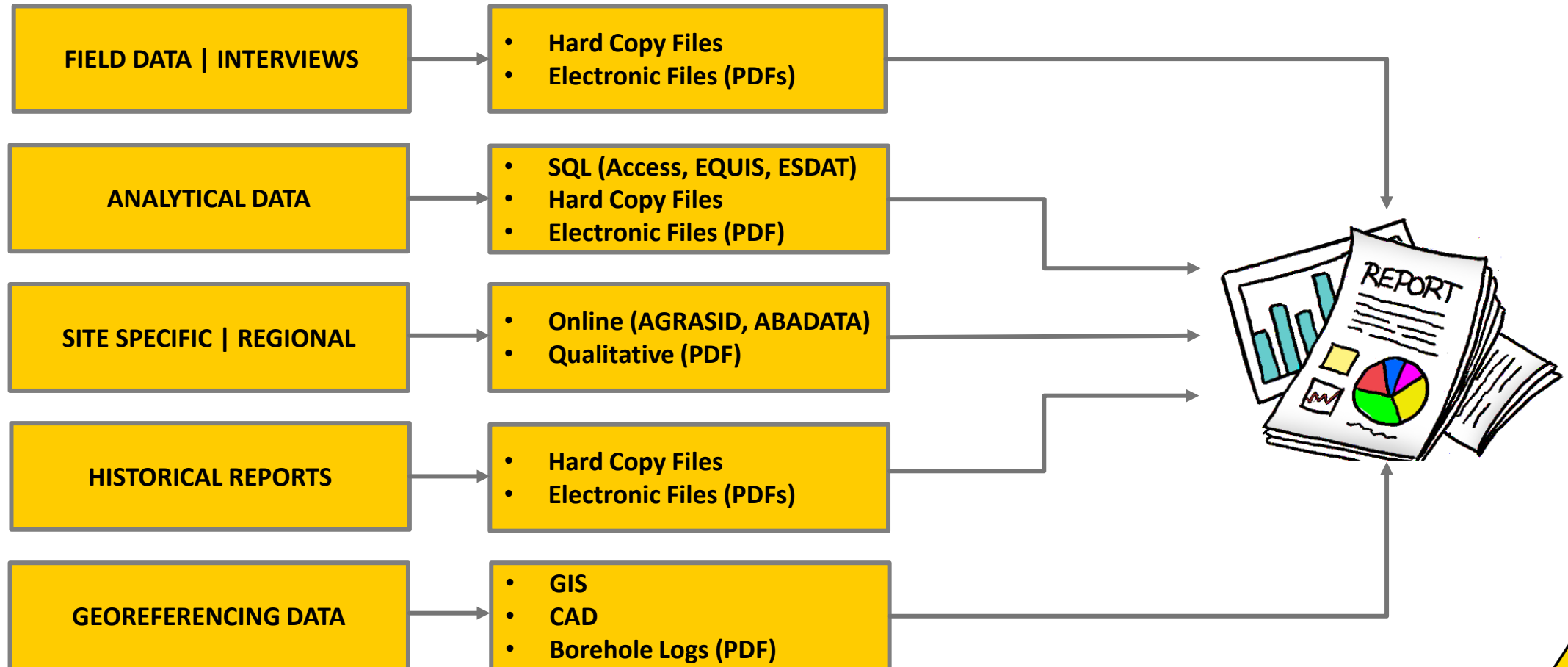
Future Risk



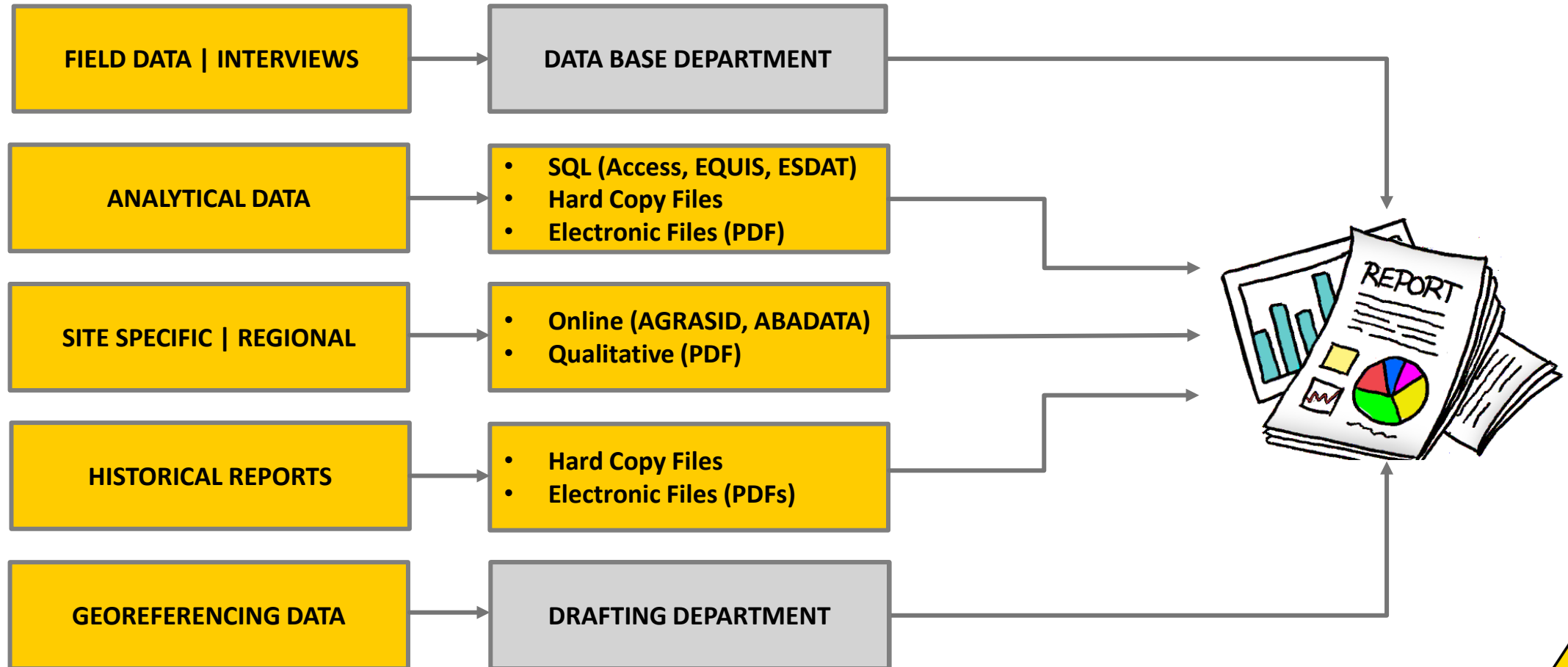
No Risk



SO CLEARLY THERE IS A PROBLEM



SO CLEARLY THERE IS A PROBLEM



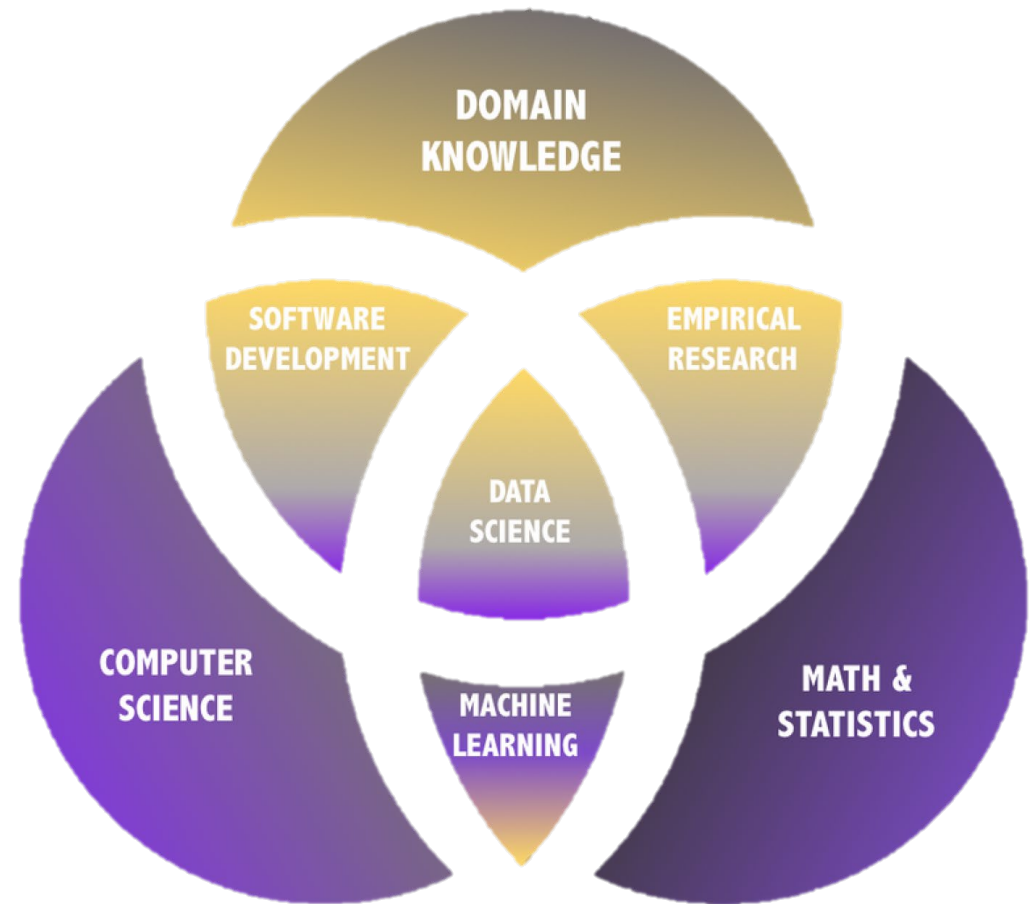
WHAT IS LARGE DATA AND DATA SCIENCE?

[sic] **Large data sets** are those that may be analyzed computationally to reveal patterns, trends, and associations...
Oxford Dictionary

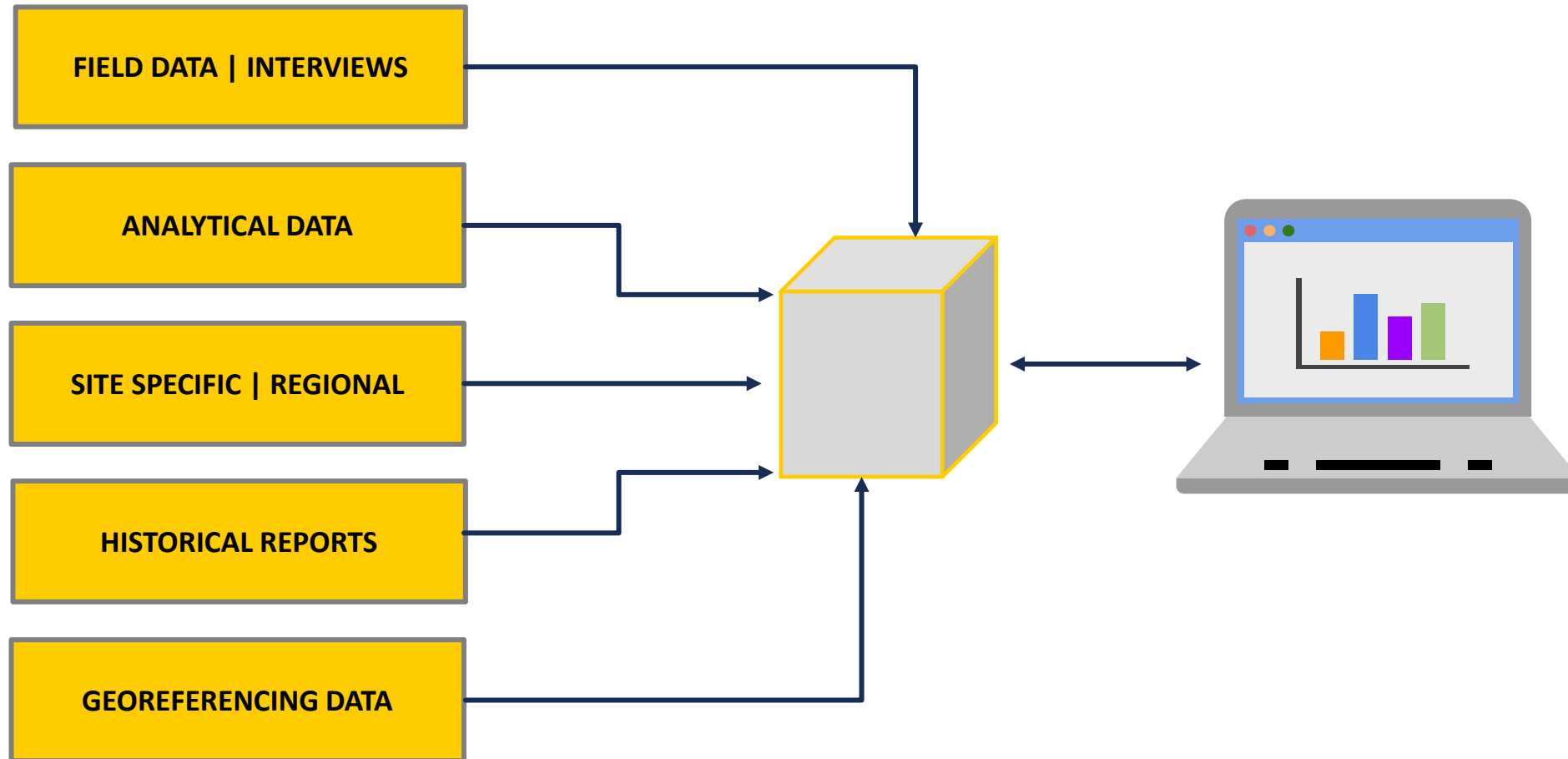
- *It's not just the number of lines on an excel sheet*
- *It's not simply how many times a parameter has been sampled*



OLD PROBLEMS = NEW OPPORTUNITIES



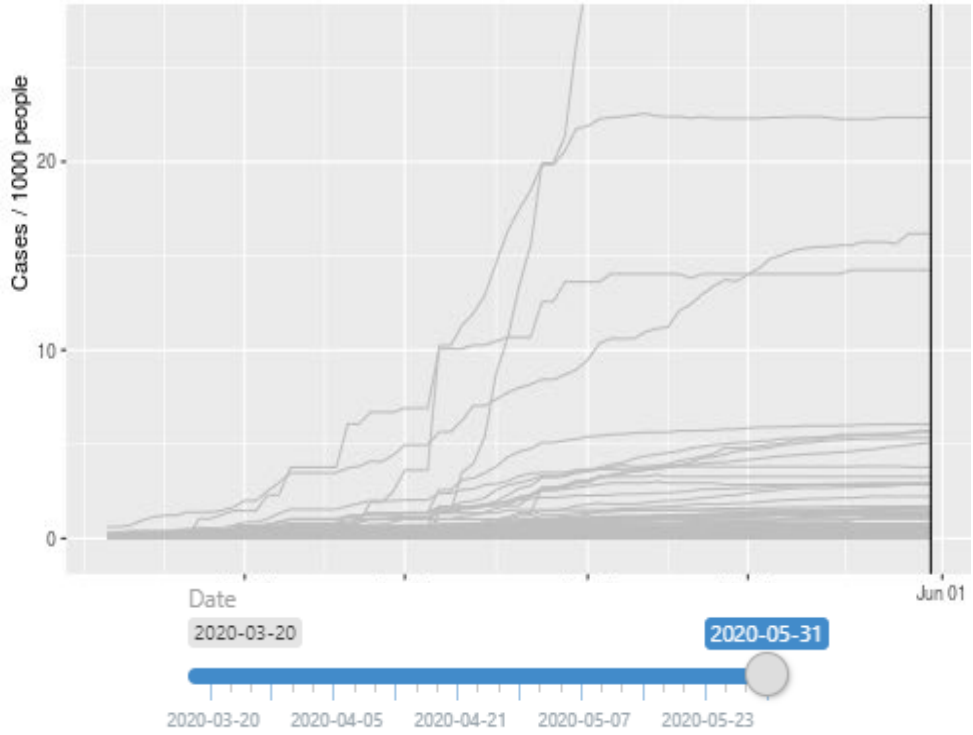
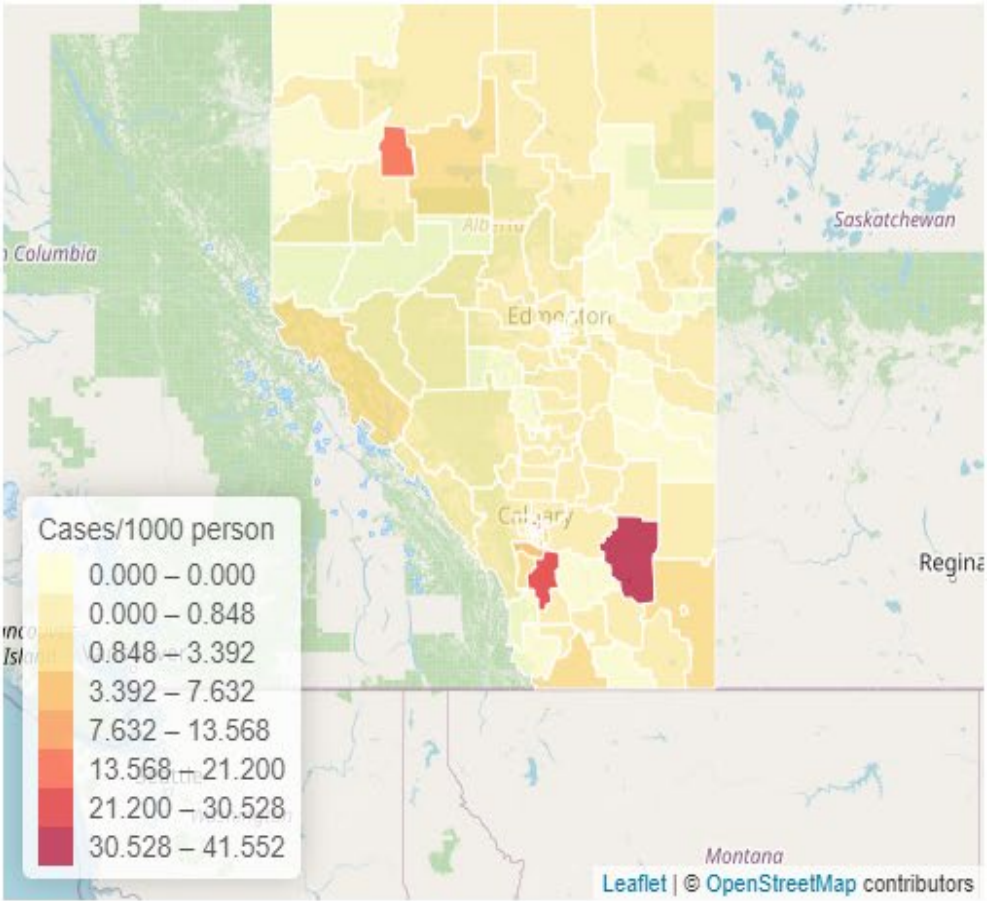
AUTOMATE

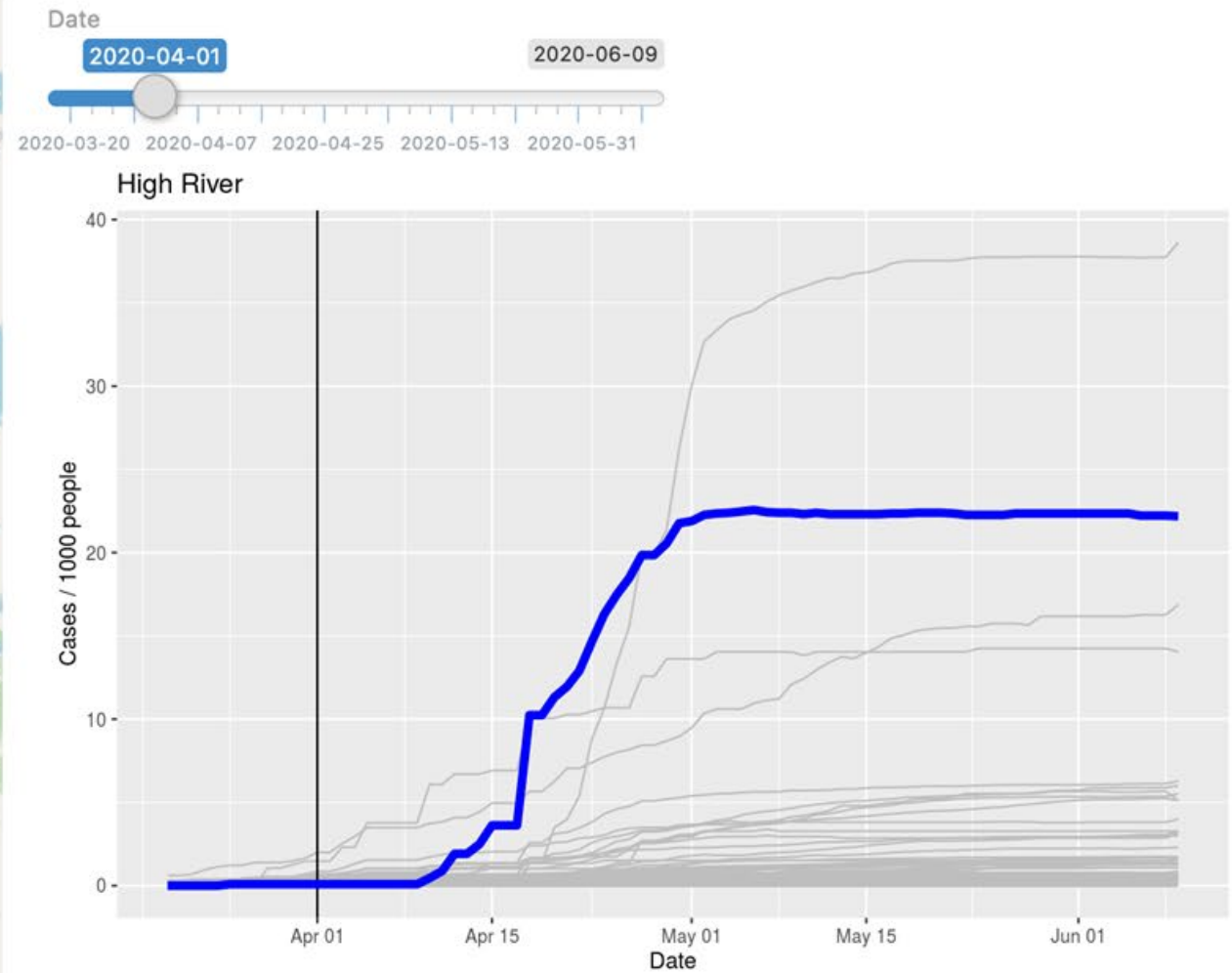
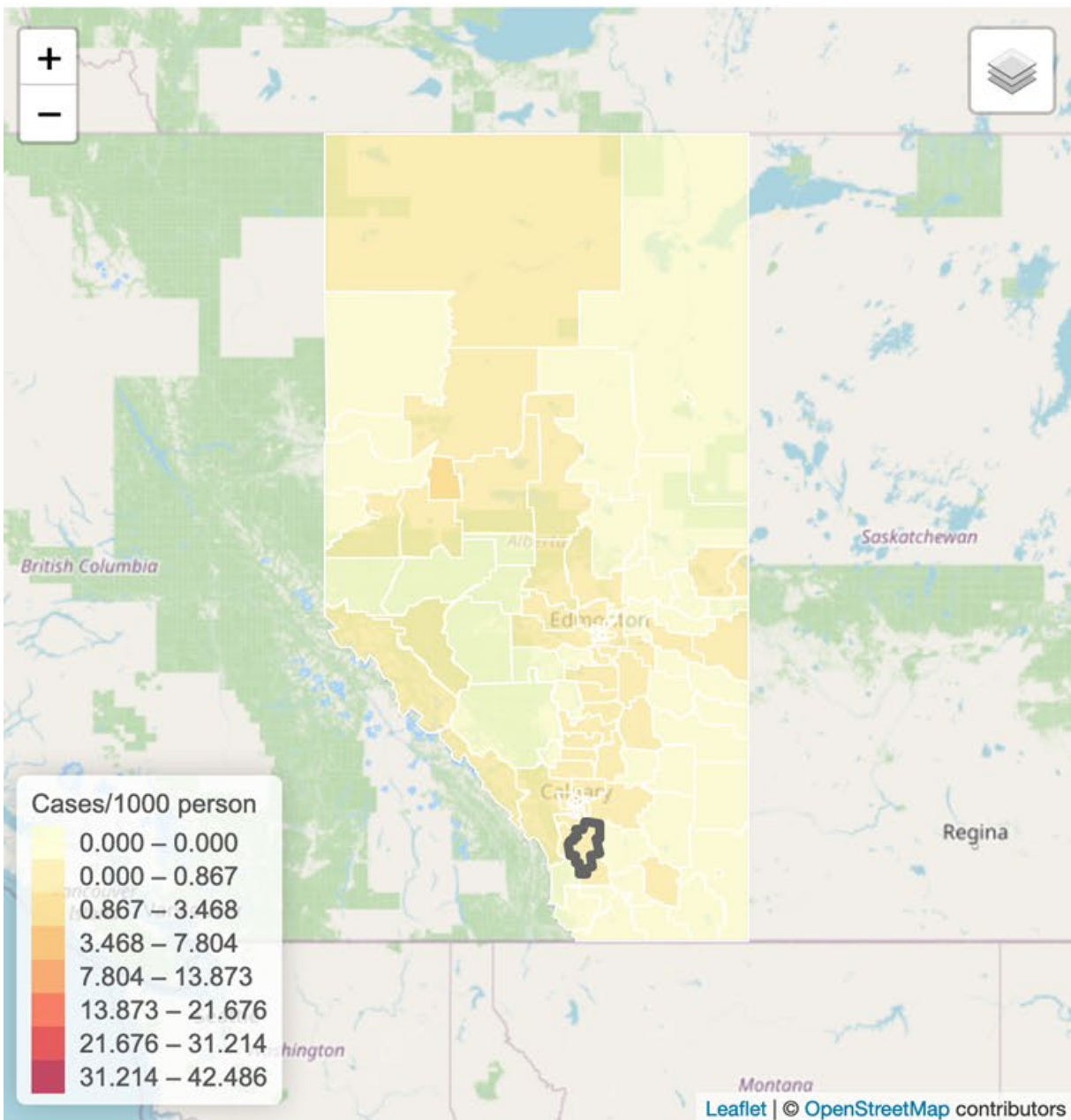


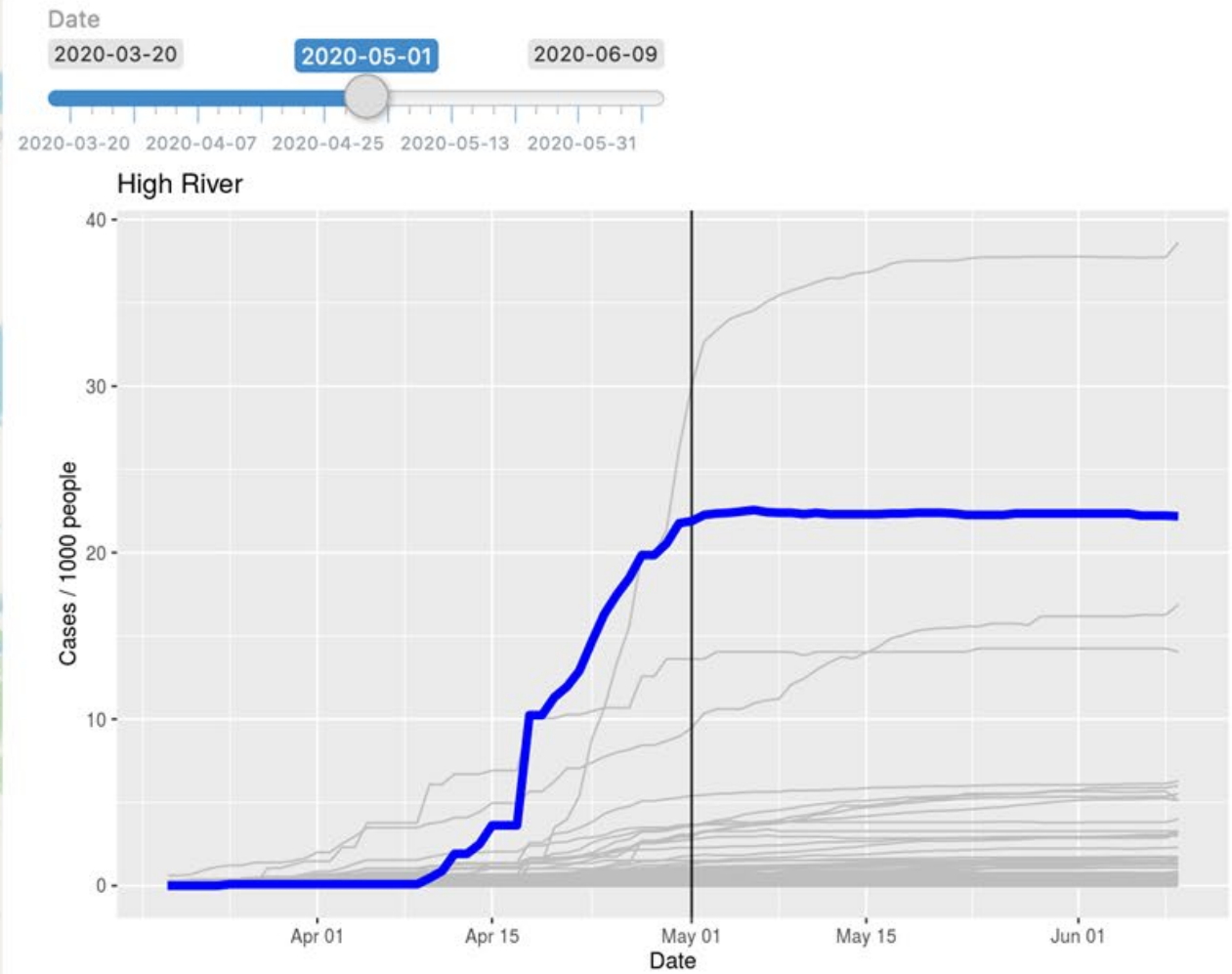
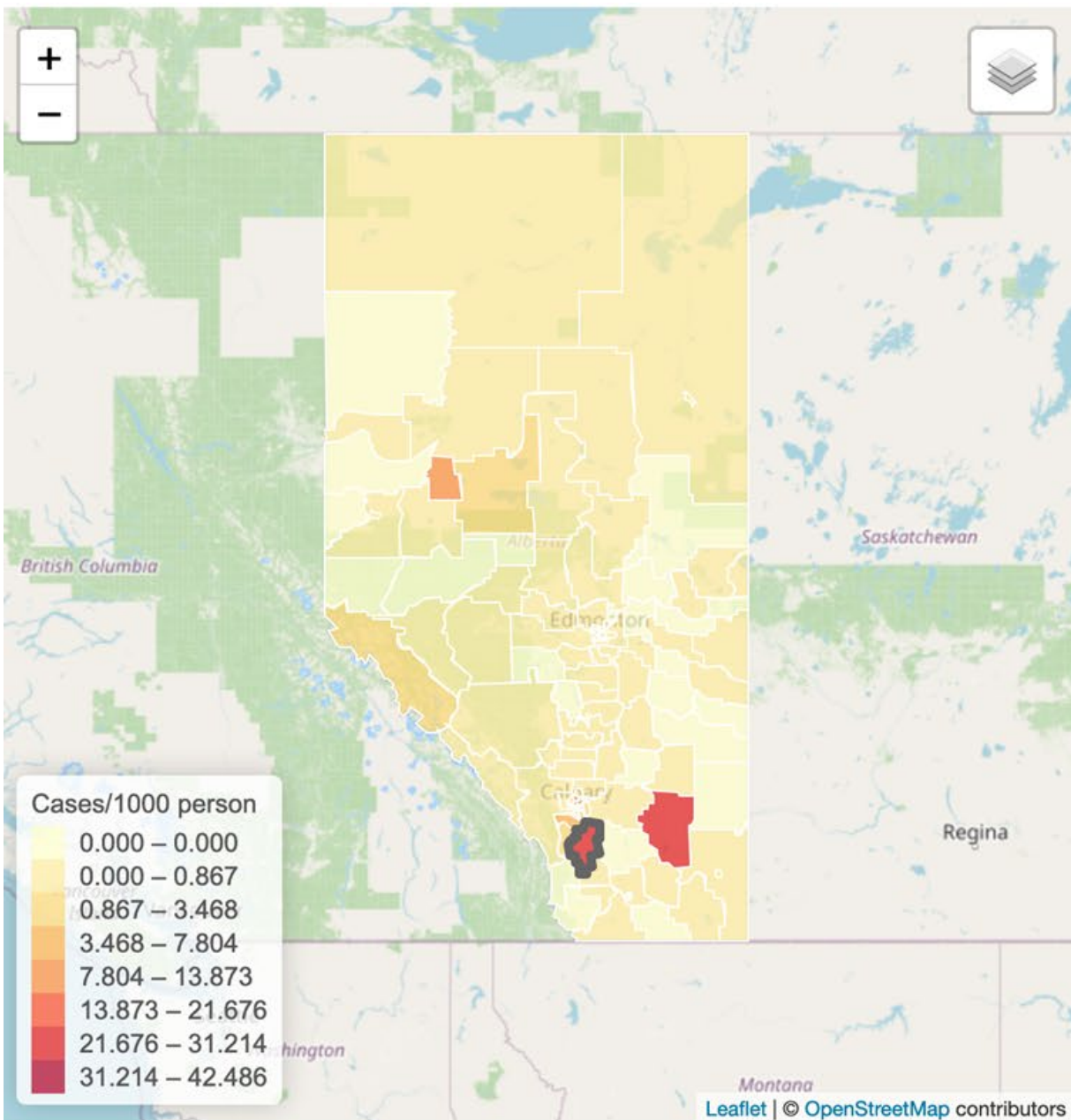
Navigation

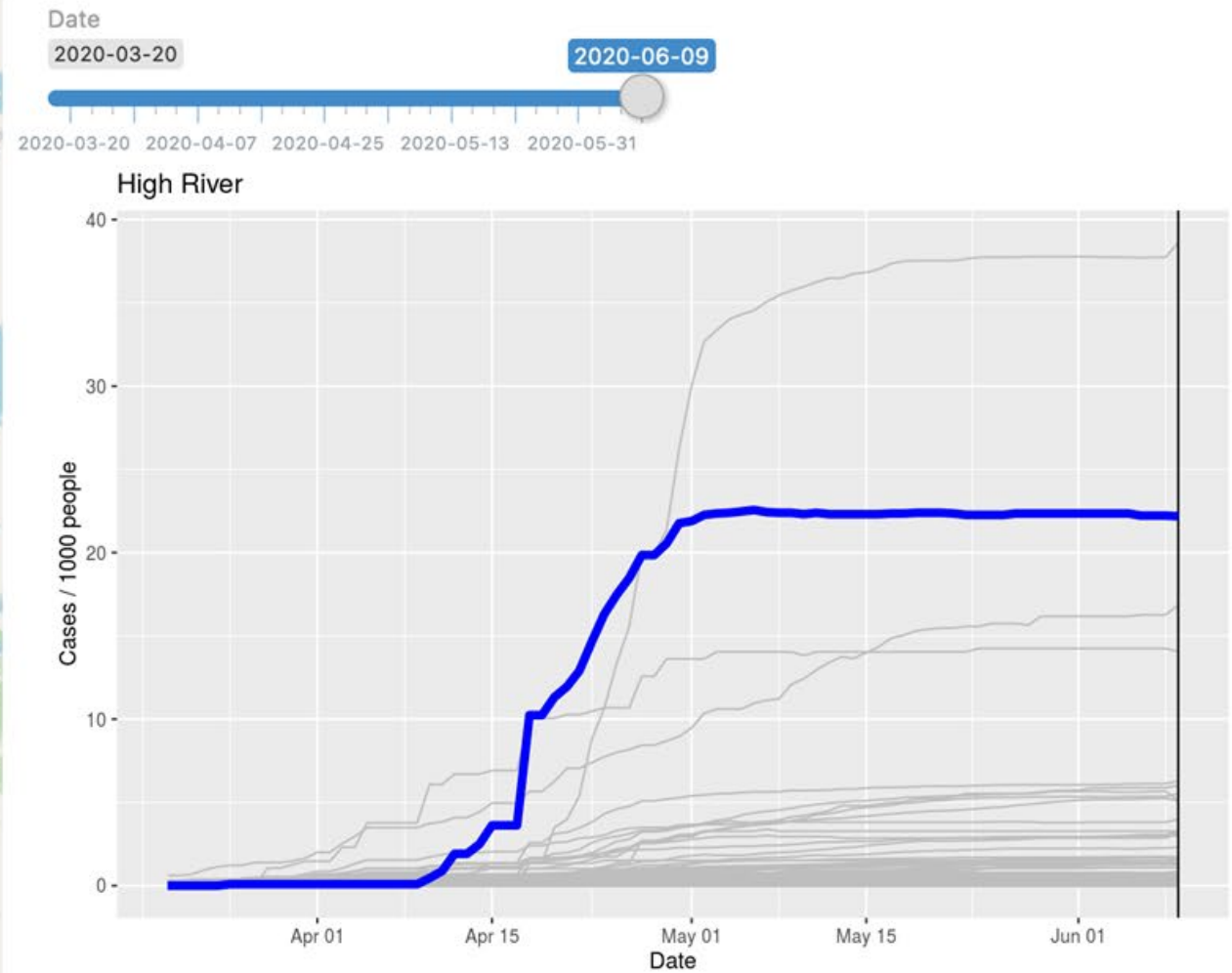
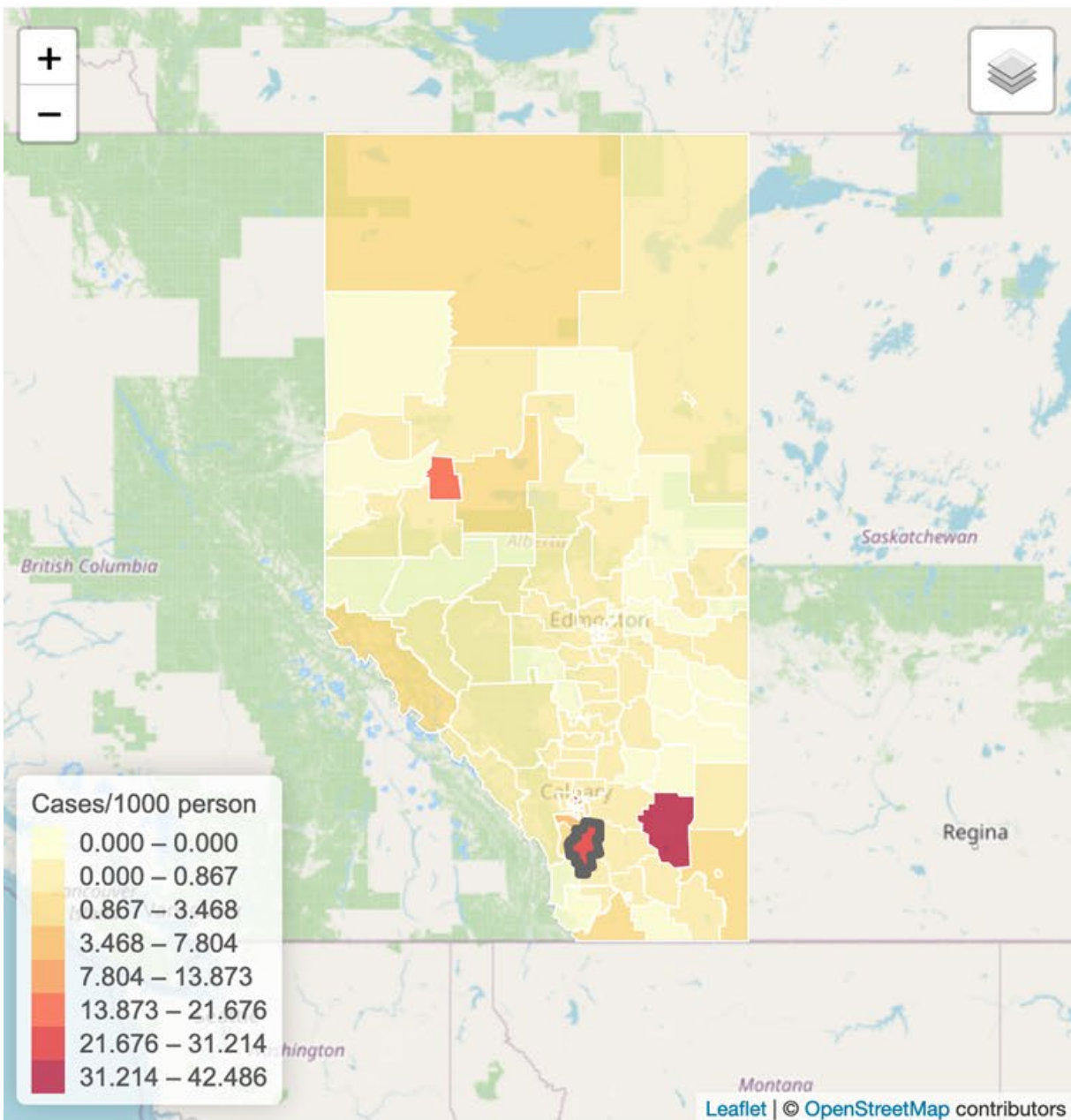
- World
 - Canada and other countries
- World Map
 - View hotspots of the world
- Canada
 - Canadian provinces and territories
- Alberta
 - Health zones in Alberta
- Alberta Zones and Areas
 - Cases and demography data by local areas

Alberta cases by geographical zones and areas







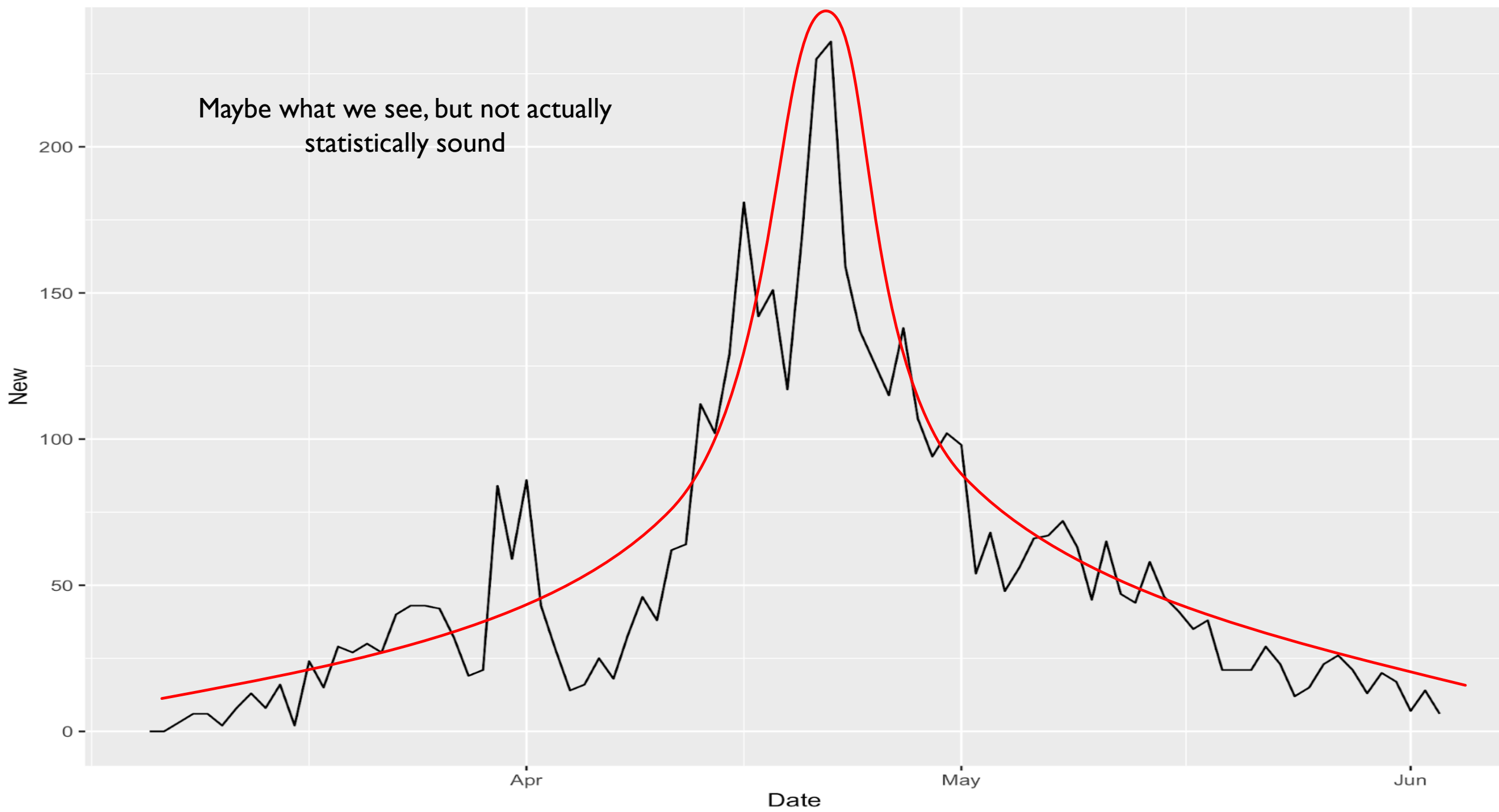


BRIDGING THE GAP

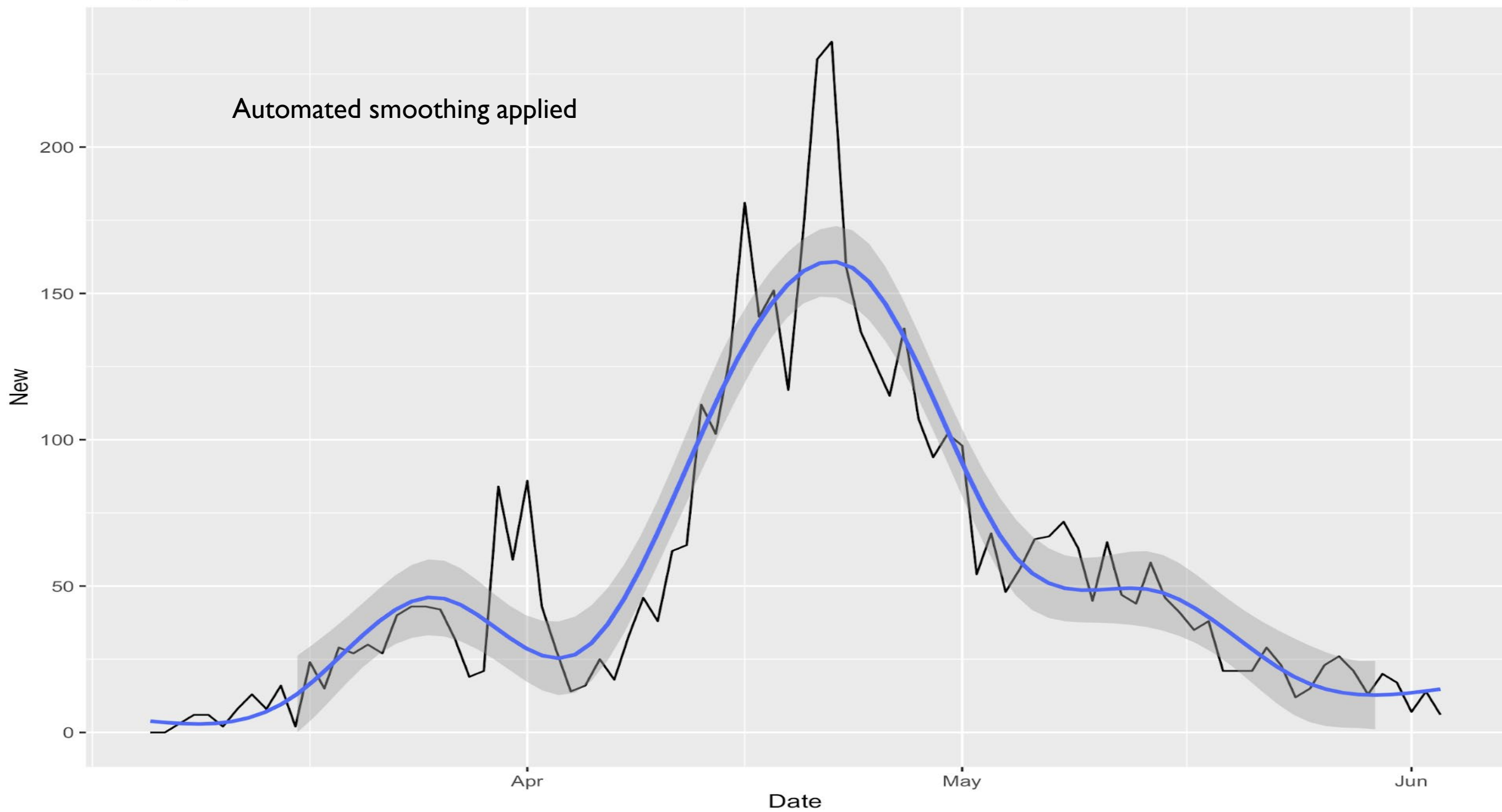
- So what does this mean in the field of environmental science?
 - Efficient
 - Timely
 - Clear
- We have lots of data:
 - Hundreds of data points (e.g., chemical parameters, temporal variability, elevations etc.)
- Sometimes it hard to see the forest for the trees



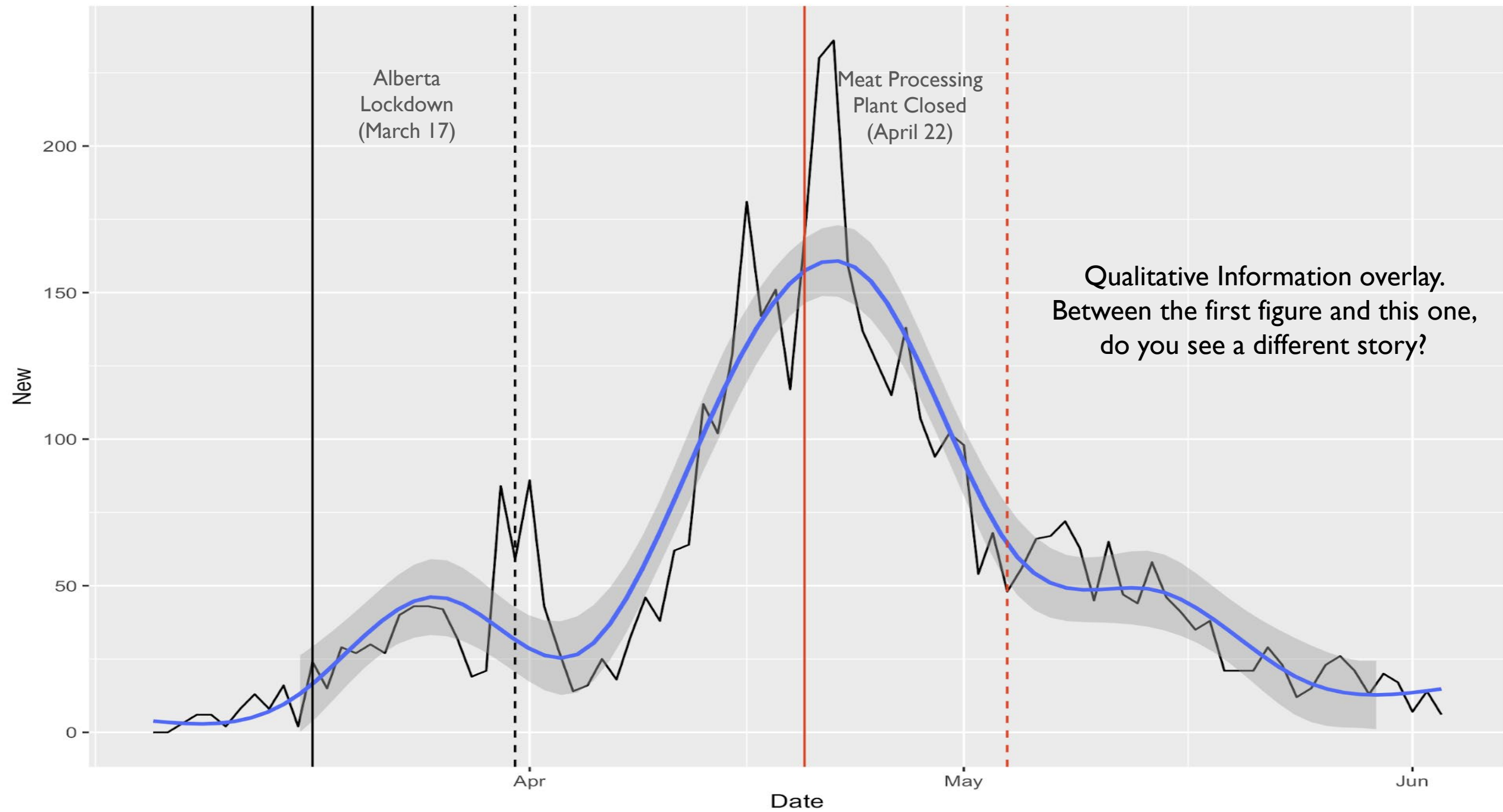
Calgary



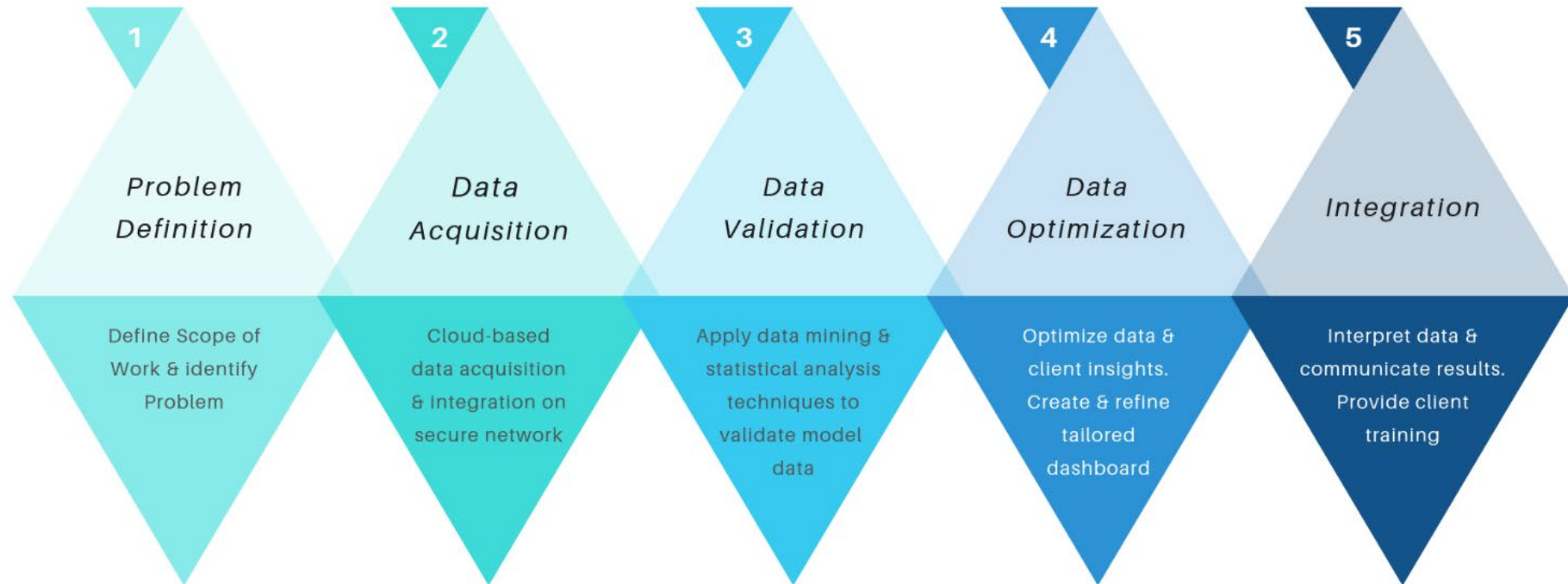
Calgary



Calgary



HOW DO WE GET FROM HERE TO THERE?



IN SUMMARY

- Our process involves **consolidation through integration**
 - Expedite the process through programming and data-science
- To build something innovative requires innovation
 - **Customizable** platforms and solutions tailored to the needs of the client
- Quality
 - Seek out the best
- Visualization and optimization is key
- Where next?
 - Integrated deep learning and building out repetitive case-models will allow for applications to evolve



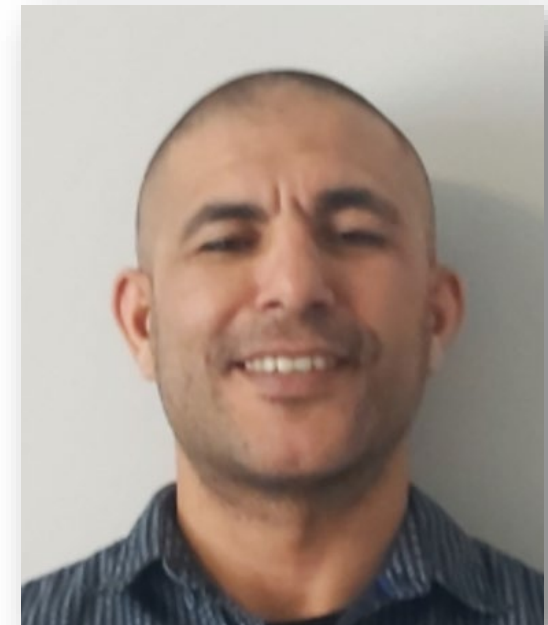
KEEP THE CONVERSATION GOING WWW.ANALYTHIUM.IO/



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Rock solid analytics at your service

