

Ranking Time Series

Consent Form

This survey part of a research study conducted by [REDACTED]

[REDACTED] and is funded by [REDACTED]

Summary The survey consists of two parts where respondents will rank 5 data streams and explain their choices. It will take about 15 minutes. To complete this task, you are free to use any resources and investigate [REDACTED] data on your own. Prospective respondents should consider that the form may not render correctly on mobile devices. This research will enhance [REDACTED] data quality systems

Purpose The purpose of the research is to rank different time series points across multiple days and signals, which will help to test a more general data point flagging method.

Procedures Respondents will investigate both HTML files attached, rank the 5 streams per file and optionally provide explanations relating for their rankings.

Participant Requirements Participation in this study is limited to individuals age 18 and older, affiliated with the [REDACTED] and can access this survey.

Risks The risks and discomfort associated with participation in this study are no greater than those ordinarily encountered in daily life or during other online activities, such as boredom and fatigue.

Benefits There may be no personal benefit from your participation in the study but the knowledge received may be of value to humanity.

Compensation & Costs There is no compensation for participation in this study. There will be no cost to you if you participate in this study.

Confidentiality The data captured for the research does not include any personally identifiable information about you. Your data and consent form will be kept separate. Your consent form will be stored in a secure location on [REDACTED] property and will not be disclosed to third parties. By participating, you understand and agree that the data and information gathered during this study may be used by [REDACTED] and published and/or disclosed by [REDACTED] to others outside of [REDACTED]. However, your name, address, contact information and other direct personal identifiers will not be mentioned in any such publication or dissemination of the research data and/or results by [REDACTED]. Note that per regulation all research data must be kept for a minimum of 3 years.

Right to Ask Questions & Contact Information If you have any questions about this study, you should feel free to ask them by contacting the Principal Investigator now [REDACTED] [REDACTED]. If you have questions later, desire additional information, or wish to withdraw your participation please contact the Principal Investigator by mail, phone or e-mail in accordance with the contact information listed above.

If you have questions pertaining to your rights as a research participant; or to report

concerns to this study, you should contact the Office of Research integrity and Compliance at [REDACTED]

Voluntary Participation Your participation in this research is voluntary. You may discontinue participation at any time during the research activity. You may print a copy of this consent form for your records.

* Indicates required question

1. I am age 18 or older. *

Mark only one oval.

☐ Yes

☐ No

2. I have read and understand the information above. *

Mark only one oval.

☐ Yes

☐ No

3. I want to participate in this research and continue with the survey. *

Mark only one oval.

☐ Yes

☐ No

Part A

Download and open html file A in a browser. You should see 5 time series plots.
Rank these plots from file A [Double Check the file!]

First, determine if a point is concerning or not concerning (**N/A**). Then, select the numbers corresponding to the rows from most concerning to least concerning if the point is concerning, else choose N/A. Pay close attention to the axes and regional population. Ties and gaps in rankings are **OK**.

A possible ranking could be the following:

Row 1: 5

Row 2: 3

Row 3: 5

Row 4: N/A

Row 5: N/A

This would mean that both Row 1 and Row 3 are very close or indistinguishable in their highly anomalous and concerning behavior, Rows 2 is markedly different from 1 and 3, thus the gap where no rows were ranked 4. Rows 4 and 5 were completely unremarkable and marked as such.

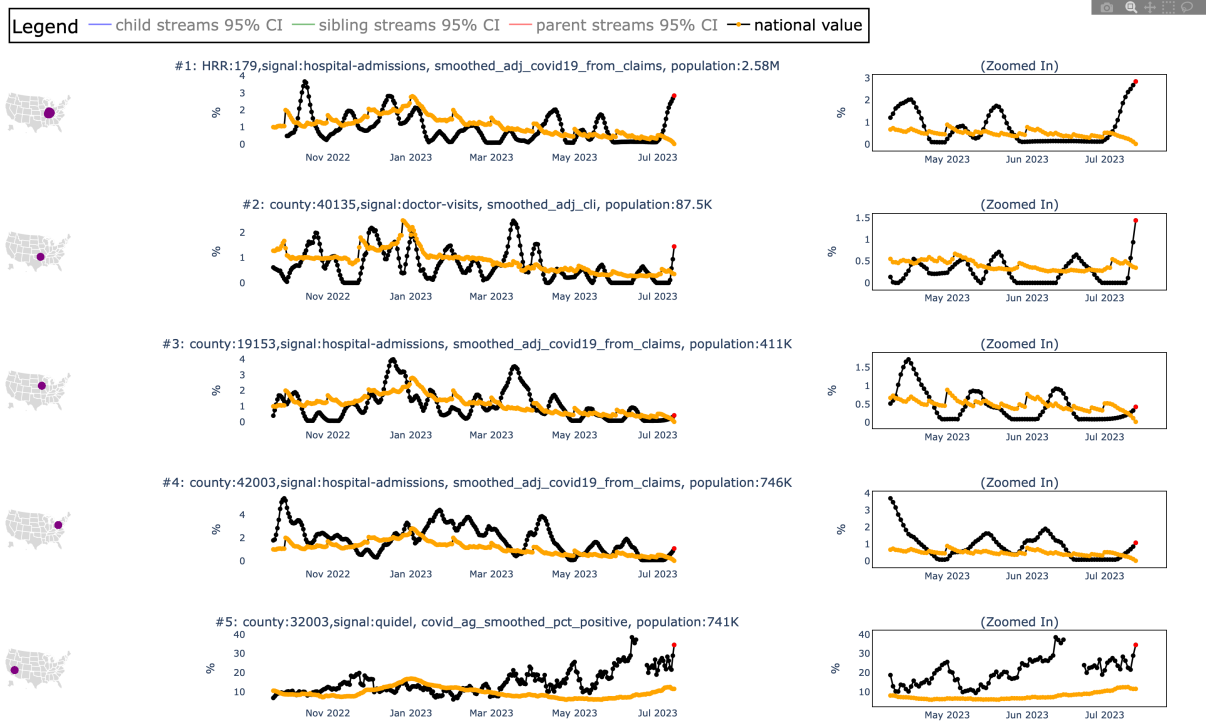
Some exploratory tools to consider when generating your ranking:

[Sources and signals information](#)

[COVIDCast dashboard](#)

4. What is the file name you are looking at? *

Reference Streams for Ranking



5. Ranking By Concerning *

Mark only one oval per row.

	(5) Most	4	(3) Somewhat	2	(1) A Little	N/A
Row 1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Explanation/Exploration 1

7. Explanation/Exploration 2

8. Explanation/Exploration 3

9. Explanation/Exploration 4

10. Explanation/Exploration 5

Part B

Download and open html file B in a browser. You should see 5 time series plots.
Rank these plots from file B [Double Check the file!]

First, determine if a point is concerning or not concerning (**N/A**). Then, select the numbers corresponding to the rows from most concerning to least concerning if the point is concerning, else choose N/A. Pay close attention to the axes and regional population. Ties and gaps in rankings are **OK**.

A possible ranking could be the following:

Row 1: 5

Row 2: 3

Row 3: 5

Row 4: N/A

Row 5: N/A

This would mean that both Row 1 and Row 3 are very close or indistinguishable in their highly anomalous and concerning behavior, Rows 2 is markedly different from 1 and 3, thus the gap where no rows were ranked 4. Rows 4 and 5 were completely unremarkable and marked as such.

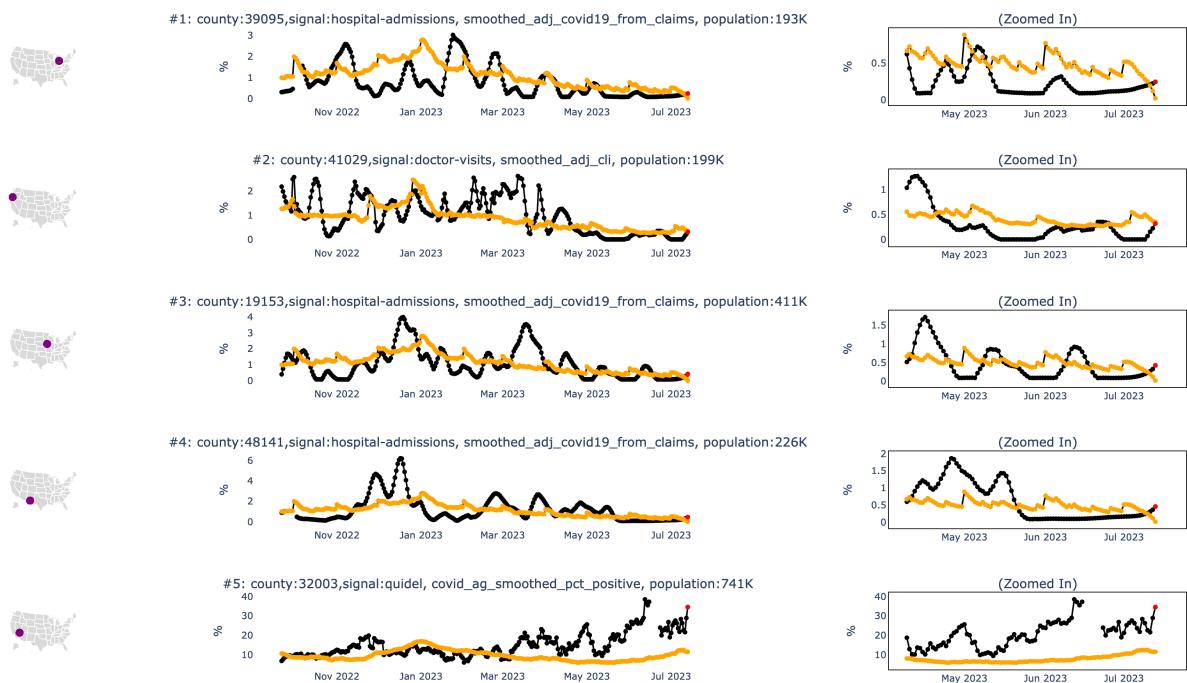
Some exploratory tools to consider when generating your ranking:

[Sources and signals information](#)

[COVIDCast dashboard](#)

11. What is the file name you are looking at? *

Reference Streams for Ranking



12. Ranking By Concerning *

Mark only one oval per row.

	(5) Most	4	(3) Somewhat	2	(1) A Little	(N/A) Not
Row 1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Row 5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. Explanation/Exploration 1

14. Explanation/Exploration 2

15. Explanation/Exploration 3

16. Explanation/Exploration 4

17. Explanation/Exploration 5

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