

Team KialoX

Exploring a new type of data: structured debate

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Threaded, structured debate

Arguments PRO and CON

Self-categorized



Progress bar, heart icon, and 4 replies icon.

Herd Immunity for COVID-19 is Achievable.

Pros



Cons



Herd immunity for COVID-19 is achievable with a vaccine.

Herd immunity is achievable by not locking down or using masks, but by letting the disease naturally progress through the population until the majority are immune.

The world is nowhere near close to having widespread resistance to COVID-19 in order to achieve herd immunity.

Without the cooperation of everyone to comply with measures meant to slow the disease (as we currently see), herd immunity isn't fathomable and shouldn't be pursued as the end goal.

Discussion Topology



Top Contributors

	Claims	Actions
cnr	75	421
ShaqY	51	594
Cordial_Curiosity	33	252
Stetto	28	113
Xiutecuhtli	24	48
olorin	19	457

Enter discussion

Research questions

RQ1: Can Kialo constitute data for QE studies?

RQ2: If so, what would that look like in terms of...



**Is Herd Immunity for COVID-19
Achievable?**

65 162 2 11 340

- Possible research questions
- Data collection
- Data curation
- Designating metadata
- Discourse coding
- Segmentation
- Creating the qualitative data table
- Aggregation and results

Data collection

Indicators of argument level; URLs

↓ DOWNLOAD

```
1 Discussion·Title: ·Is·Herd·Immunity·for·COVID-19·Achievable?
2
3 1.·Herd·Immunity·for·COVID-19·is·Achievable.
4 1.1.·Pro:·Herd·immunity·can·be·achieved·through·an·extended·lockdown,·mask·usage,·and·social·distancing.
5 1.1.1.·Con:·With·lockdowns·in·place,·not·enough·people·are·exposed·to·the·virus,·making·herd·immunity·unachievable.
6 1.1.1.1.·Pro:·Exposing·populations·to·the·virus·would·[kill·millions]·(https://coronavirus.jhu.edu/early-herd-immunity-reached).
7 1.1.1.1.1.·Pro:·It·is·[predicted]·(https://coronavirus.jhu.edu/from-our-experts/early-herd-immunity-reached-in-2021).
8 1.1.1.1.2.·Con:·Many·countries·have·started·[easing·or·lifting·lockdowns]·(https://www.bbc.com/news/health-57411111).
9 1.1.1.2.1.·Con:·A·surge·in·cases·within·Germany·has·resulted·in·the·[reimposition·of·local·lockdowns].
10 1.1.2.·Con:·The·populations·of·many·countries·do·not·allow·for·adequate·social·distancing.
11 1.1.2.1.·Pro:·India,·which·has·the·[third-highest·COVID-19·cases]·(https://www.worldometers.info/world-population/india-population/).·In·comparison,·China·has·a·population·density·of·[153·people·per·sq·km]·(https://www.worldometers.info/world-population/china-population/).
12 1.1.3.·Con:·Masks·[prevent·or·reduce·the·spread·of·COVID-19]·(https://www.thehindu.com/sci-tech/health/article-how-masks-prevent-covid-19-spread-1016889.html).
13 1.1.3.1.·Pro:·Herd·immunity·is·a·product·of·the·non-vulnerable·population·getting·the·virus.
14 1.1.3.2.·Con:·Achieving·herd·immunity·by·circumventing·preventative·measures·like·masks,·in
```

Data Curation

Assigning attributes (metadata)

Unique utterance identifiers (UIDs)
Indicating threading
Discourse codes

```

1 [[uid=7d2trp3n]] [[cid:1]] 1. Herd Immunity for COVID-19 is Achievable.
2 [[uid=7d2trp3p]] ~ ~ [[Pro]] [[cid:1_1]] 1.1. Pro: Herd immunity can be achieved.
3 [[uid=7d2trp3q]] ~ ~ ~ [[Con]] [[cid:1_1_1]] 1.1.1. Con: With lockdowns in place,
4 [[uid=7d2trp3r]] ~ ~ ~ ~ [[Pro]] [[cid:1_1_1_1]] 1.1.1.1. Pro: Exposing populatio
people well before herd immunity could be reached. [[Risk]] [[ExtRef]] [[Releva
5 [[uid=7d2trp3s]] ~ ~ ~ ~ ~ [[Pro]] [[cid:1_1_1_1_1]] 1.1.1.1.1. Pro: It is [predi
die from COVID-19 before herd immunity could be reached in 2021. [[ExtRef]] [[F
6 [[uid=7d2trp3t]] ~ ~ ~ ~ ~ [[Con]] [[cid:1_1_1_2]] 1.1.1.2. Con: Many countries hav
be exposed to the virus. [[ExtRef]] [[PHM]] [[Discord]] [[Relevance|2]]
7 [[uid=7d2trp3w]] ~ ~ ~ ~ ~ [[Con]] [[cid:1_1_1_2_1]] 1.1.1.2.1. Con: A surge in c
[[ExtRef]] [[Relevance|2]] [[Concord]]
8 [[uid=7d2trp3x]] ~ ~ ~ ~ ~ [[Con]] [[cid:1_1_2]] 1.1.2. Con: The populations of many countries do not allow
9 [[uid=7d2trp3y]] ~ ~ ~ ~ ~ [[Pro]] [[cid:1_1_2_1]] 1.1.2.1. Pro: India, which has the [third-highest COVI
has a population density of [464 people per sq km] (https://www.worldometers.info/world-population/inc
country) (https://en.wikipedia.org/wiki/List\_of\_countries\_and\_dependencies\_by\_population), has a popul

```

```

...-
....caseId: 1_5_1
....level: 2
....PC: Pro
....APC: Con
....Align: Discord
....Child: 2
....Desc: 3
# Daily infection rates
...-
....caseId: 1_5_1_1
....level: 3
....PC: Con
....APC: Pro
....Align: Discord
....Child: 0
....Desc: 0
# As of August 2020,
...-

```

Coding



Sources

Codes

Section Breaks

[[uid=7d2trp3n]] [[cid:1]] 1. Herd Immunity for COVID-19 is Achievable.

[[uid=7d2trp3p]] ~ [[Pro]] [[cid:1_1]] 1.1. Pro: Herd immunity can be achieved through an extended lockdown, mask usage, and social distancing until a vaccine is made.

[[uid=7d2trp3q]] ~ ~ [[Con]] [[cid:1_1_1]] 1.1.1. Con: With lockdowns in place, not enough people are exposed to the virus, making herd immunity impossible.

[[uid=7d2trp3r]] ~ ~ ~ [[Pro]] [[cid:1_1_1_1]] 1.1.1.1. Pro: Exposing populations to the virus would [kill millions](https://coronavirus.jhu.edu/from-our-experts/early-herd-immunity-against-covid-19-a-dangerous-misconception) of people well before herd immunity could be reached. [[Code1]] [[Code3]]

[[uid=7d2trp3s]] ~ ~ ~ ~ [[Pro]] [[cid:1_1_1_1_1]] 1.1.1.1.1. Pro: It is [predicted](https://coronavirus.jhu.edu/from-our-experts/early-herd-immunity-against-covid-19-a-dangerous-misconception) that over half of Americans would die from COVID-19 before herd immunity could be reached in 2021. [[Code2]]

[[uid=7d2trp3t]] ~ ~ ~ [[Con]] [[cid:1_1_2]] 1.1.2. Con: Many countries have started [leasing or lifting lockdowns](https://www.bbc.com/news/explainers-52575313). This makes it possible for large groups of the population to be exposed to the virus. [[Code2]]

[[uid=7d2trp3w]] ~ ~ ~ ~ [[Con]] [[cid:1_1_2_1]] 1.1.2.1. Con: A surge in cases within Germany has resulted in the [reimposition of local lockdowns](https://www.bbc.com/news/world-europe-53149762) in the country. [[Code1]]

[[uid=7d2trp3x]] ~ ~ ~ [[Con]] [[cid:1_1_2]] 1.1.2. Con: The populations of many countries do not allow for adequate social distancing. [[Code3]] [[Code2]]

[[uid=7d2trp3y]] ~ ~ ~ ~ [[Pro]] [[cid:1_1_2_1]] 1.1.2.1. Pro: India, which has the [third-highest COVID-19 cases](https://www.worldometers.info/coronavirus/) as of August

[[Code1]]

[[Code2]]

[[Code3]]

[[Add a code...]]

---<< Add a break... >>---

Illustration only!

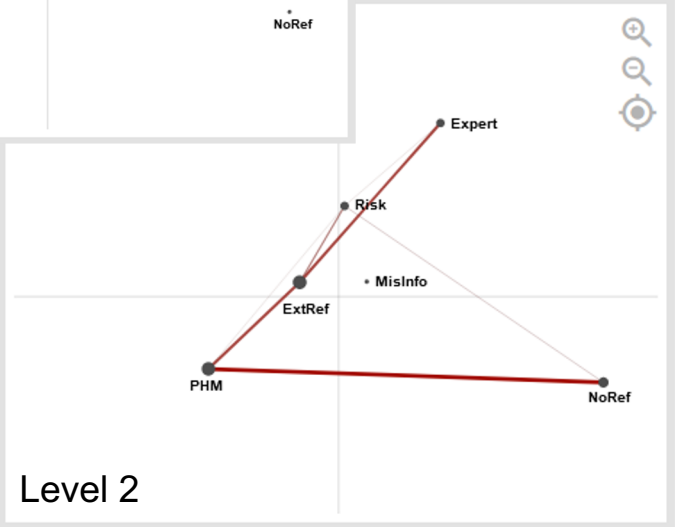
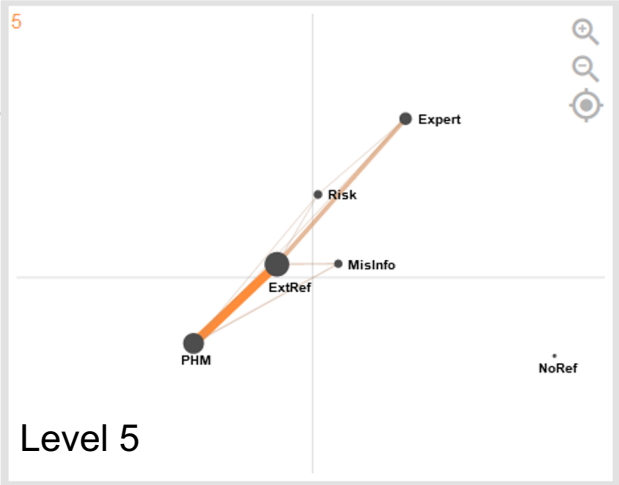
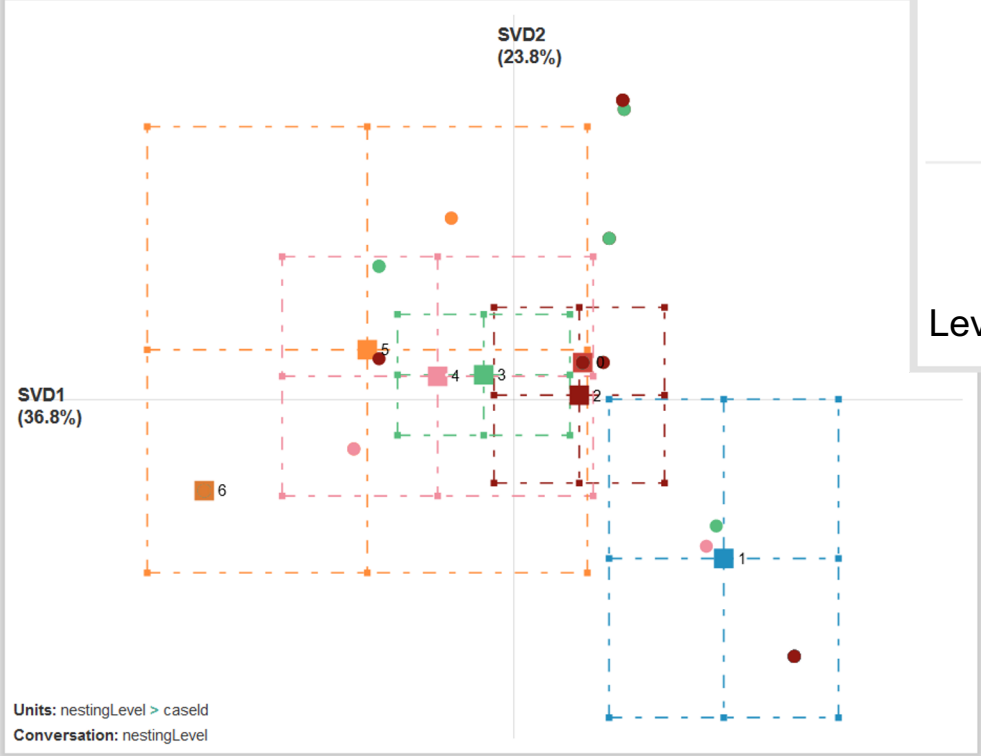


Creating the Qualitative Data Table

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	utterances_ra	Level_match	Level_count	caseld	utterances_w	Con	Concord	Discord	Expert	ExtRef	MisInfo	NoRef	PHM	Pro	Risk	Relevance
2	[[uid=7d2trp3	FALSE	0	1	[[uid=7d2trp3	0	0	0	0	0	0	0	0	0	0	0
3	[[uid=7d2trp3	FALSE	0	1_1	[[uid=7d2trp3	0	1	0	0	0	0	0	1	1	1	0
4	[[uid=7d2trp3	FALSE	0	1_1_1	[[uid=7d2trp3	1	0	1	0	0	0	0	1	1	0	0
5	[[uid=7d2trp3	FALSE	0	1_1_1_1	[[uid=7d2trp3	0	0	1	0	0	1	0	0	0	1	1
6	[[uid=7d2trp3	FALSE	0	1_1_1_1_1	[[uid=7d2trp3	0	0	1	0	0	1	0	0	0	1	1
7	[[uid=7d2trp3	FALSE	0	1_1_1_2	[[uid=7d2trp3	1	0	1	0	0	1	0	0	1	0	0
8	[[uid=7d2trp3	FALSE	0	1_1_1_2_1	[[uid=7d2trp3	1	1	0	0	0	1	0	0	1	0	0
9	[[uid=7d2trp3	FALSE	0	1_1_2	[[uid=7d2trp3	1	1	0	0	0	0	0	1	1	0	0
10	[[uid=7d2trp3	FALSE	0	1_1_2_1	[[uid=7d2trp3	0	0	1	0	0	1	0	0	0	1	0
11	[[uid=7d2trp3	FALSE	0	1_1_3	[[uid=7d2trp3	1	1	0	0	0	1	0	0	1	0	0
12	[[uid=7d2trp4	FALSE	0	1_1_3_1	[[uid=7d2trp4	0	0	1	0	0	0	0	1	0	1	0
13	[[uid=7d2trp4	FALSE	0	1_1_3_2	[[uid=7d2trp4	1	0	1	0	0	0	0	1	1	0	0
14	[[uid=7d2trp4	FALSE	0	1_2	[[uid=7d2trp4	0	1	0	0	0	0	0	1	1	1	0
15	[[uid=7d2trp4	FALSE	0	1_2_1	[[uid=7d2trp4	1	1	0	0	1	1	0	0	0	0	0
16	[[uid=7d2trp4	FALSE	0	1_2_2	[[uid=7d2trp4	0	1	0	0	0	0	0	1	0	1	0
17	[[uid=7d2trp4	FALSE	0	1_2_3	[[uid=7d2trp4	1	1	0	0	0	1	0	0	0	0	0
18	[[uid=7d2trp4	FALSE	0	1_2_3_1	[[uid=7d2trp4	0	0	1	0	0	0	0	1	0	1	0
19	[[uid=7d2trp4	FALSE	0	1_2_3_2	[[uid=7d2trp4	0	0	1	0	0	1	0	0	0	1	0
20	[[uid=7d2trp4	FALSE	0	1_3	[[uid=7d2trp4	1	1	0	0	0	0	0	1	1	0	0
21	[[uid=7d2trp4	FALSE	0	1_3_1	[[uid=7d2trp4	1	0	1	0	0	0	0	1	0	0	0
22	[[uid=7d2trp4	FALSE	0	1_3_1_1	[[uid=7d2trp4	1	1	0	0	0	0	0	1	0	0	0
23	[[uid=7d2trp4	FALSE	0	1_3_2	[[uid=7d2trp4	1	0	1	0	0	0	0	1	0	0	0
24	[[uid=7d2trp4	FALSE	0	1_3_3	[[uid=7d2trp4	0	0	0	0	0	0	0	1	1	1	0
25	[[uid=7d2trp4	FALSE	0	1_3_4	[[uid=7d2trp4	0	0	1	0	0	0	0	1	1	1	0
26	[[uid=7d2trp4	FALSE	0	1_3_4_1	[[uid=7d2trp4	0	0	1	0	0	1	0	0	1	1	0

Epistemic Network Analysis

How does content change in nesting levels?

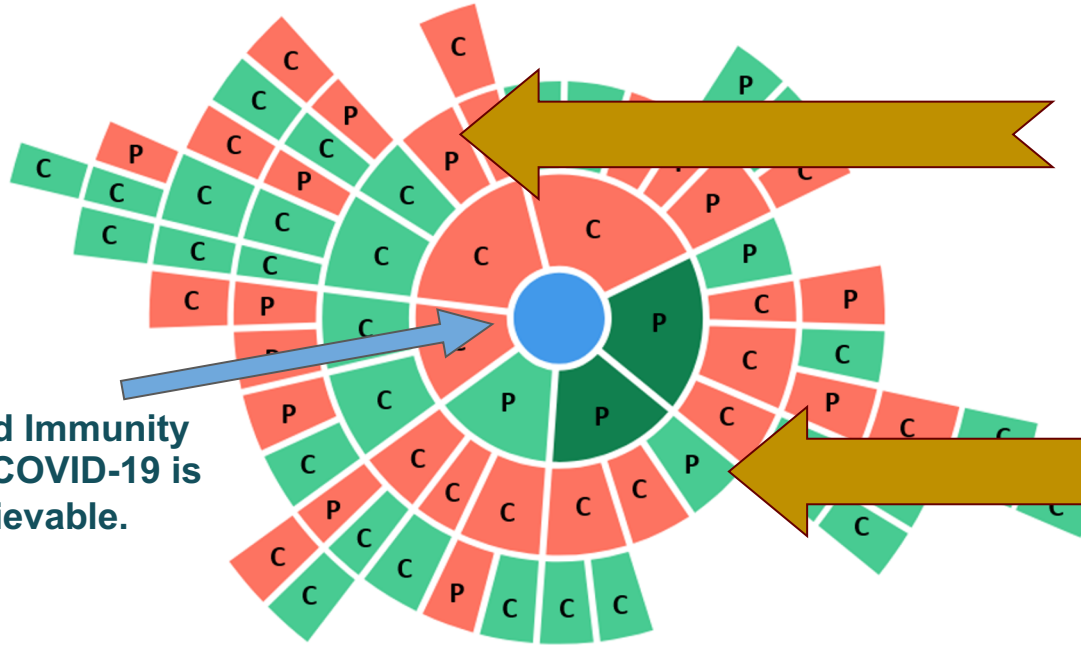


Unique to Kialo data

Relationship to parent

= ?

Relationship to original claim



Herd Immunity for COVID-19 is achievable.

“Not pursuing herd immunity is akin to not pursuing a cure for cancer.”

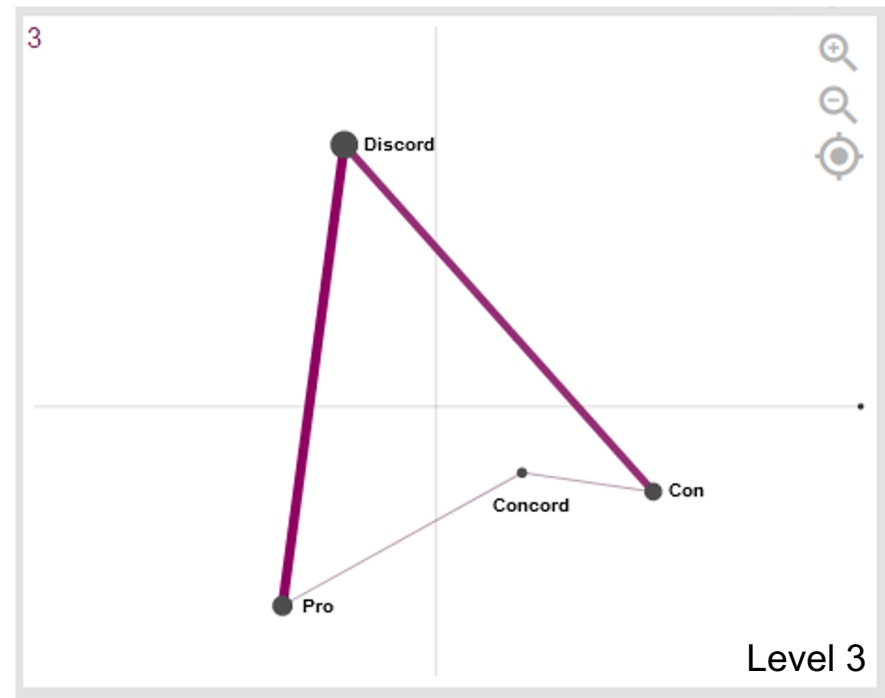
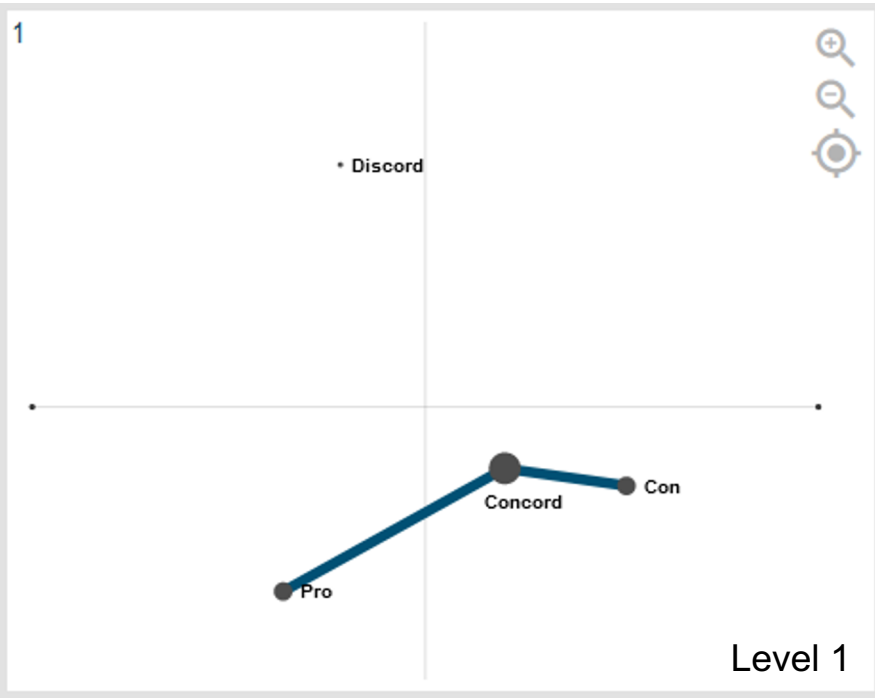
“In order to build up an immunity to a virus, one must expose themselves to the virus.”

Epistemic Network Analysis

Relationship to parent

= ?

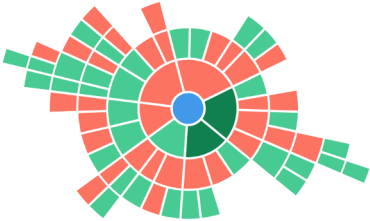
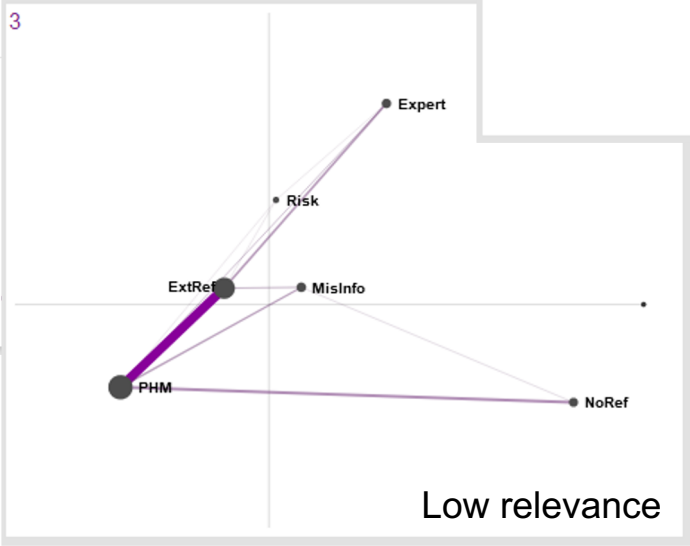
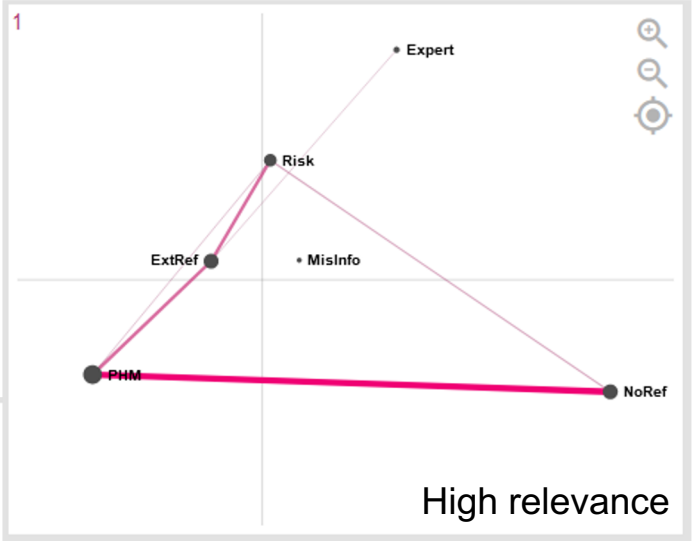
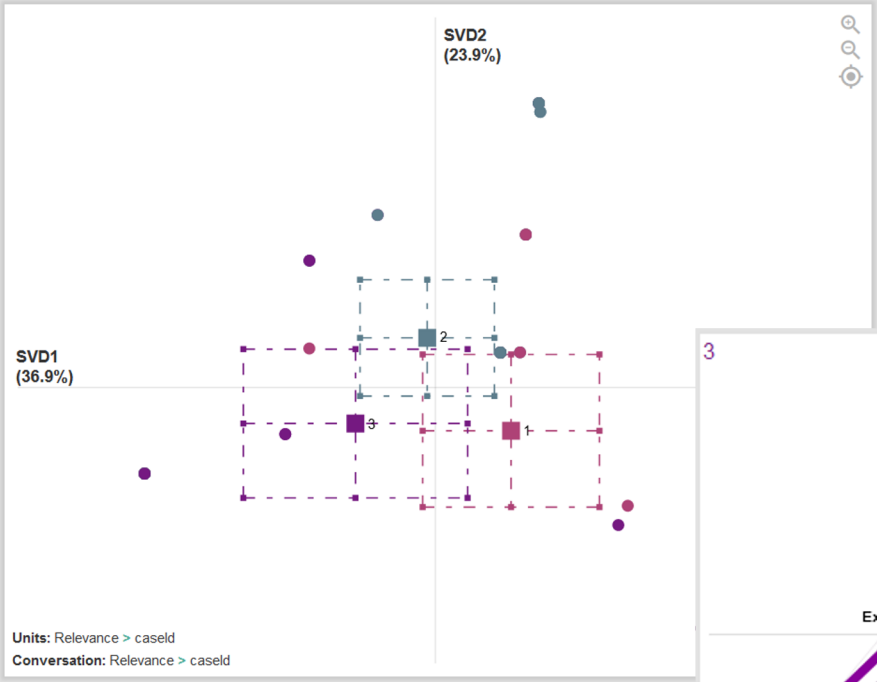
Relationship to original claim



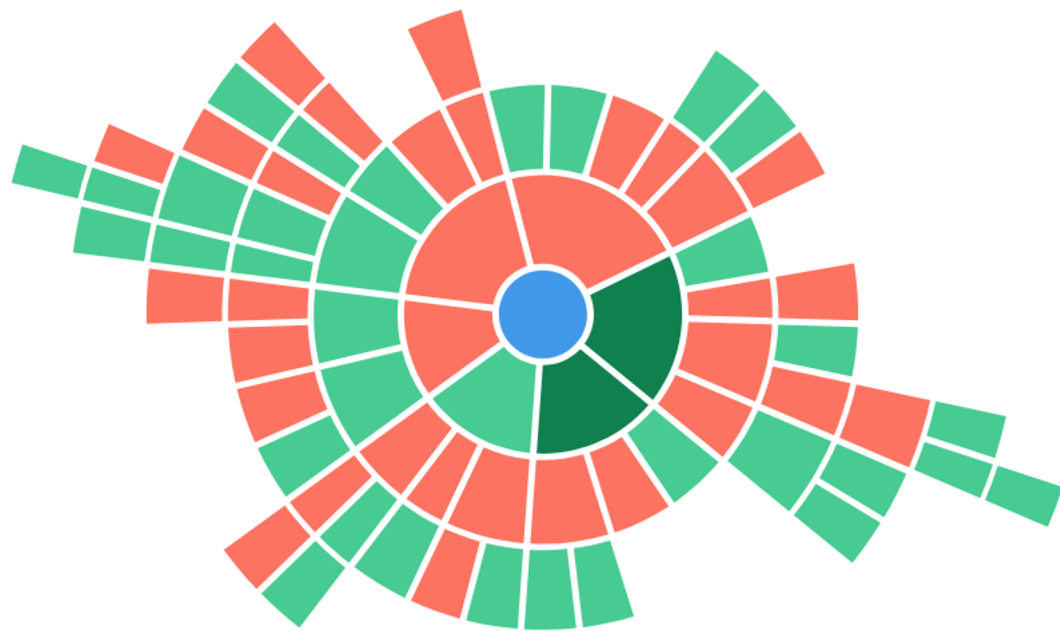
Concord = alignment in relation to parent and original claim
Discord = misalignment in relation to parent and original claim

Epistemic Network Analysis

How does content change with relevance?



Thanks for your attention!



Team KialoX

Exploring a new type of data: structured debate

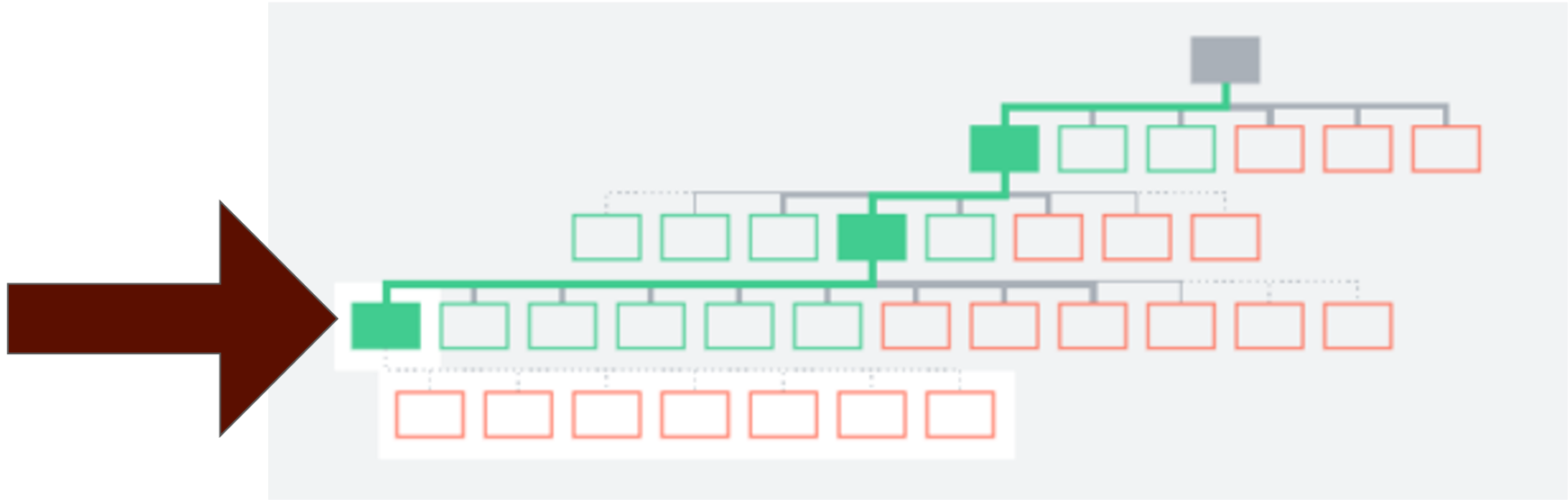
Jamie Boisvenue, Rogers Kaliisa, Jennifer Scianna, Szilvia Zörgő

Mentor: David Shaffer

Process



- Choose topic (dataset)**
- Free inductive coding (all teammates)**
- Triangulate**
- Develop tentative codebook**
- Test code**
- Refine and finalize codebook**
- Perform coding (manual)**
- Designate metadata/attributes**
- Create qualitative data table**
- Upload to ENA and generate networks**



Pro and/or Claim? How can a dual position be represented in a data table?
Threaded data? If so, what constitutes a thread?