



comRAT-C

Group A

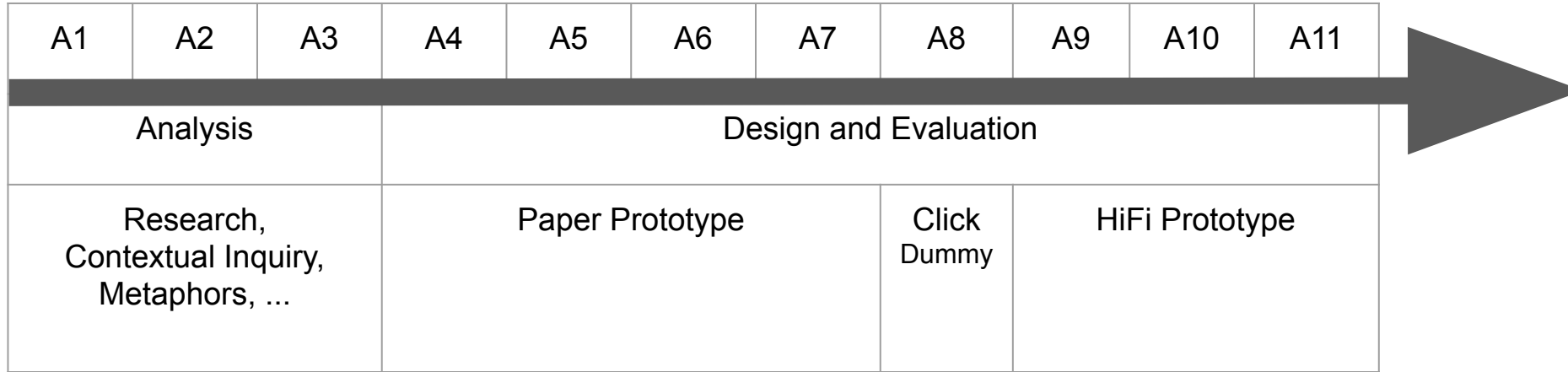
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Design Challenges

1. size of knowledge base over 200.000 words
2. interactive visualization without overwhelming the user
3. efficient, usable navigation

**[CHALLENGE
ACCEPTED]**

Timeline

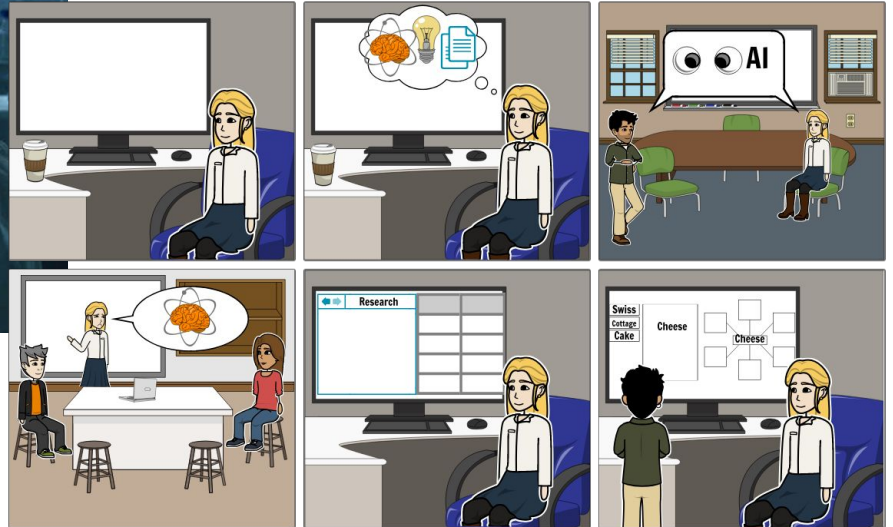


User Group



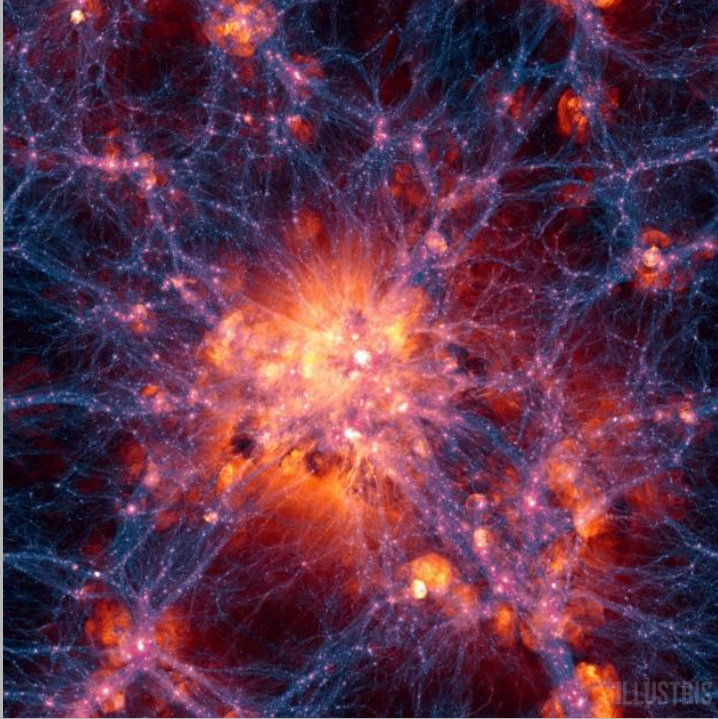
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Researchers of any kind (cs/non cs)



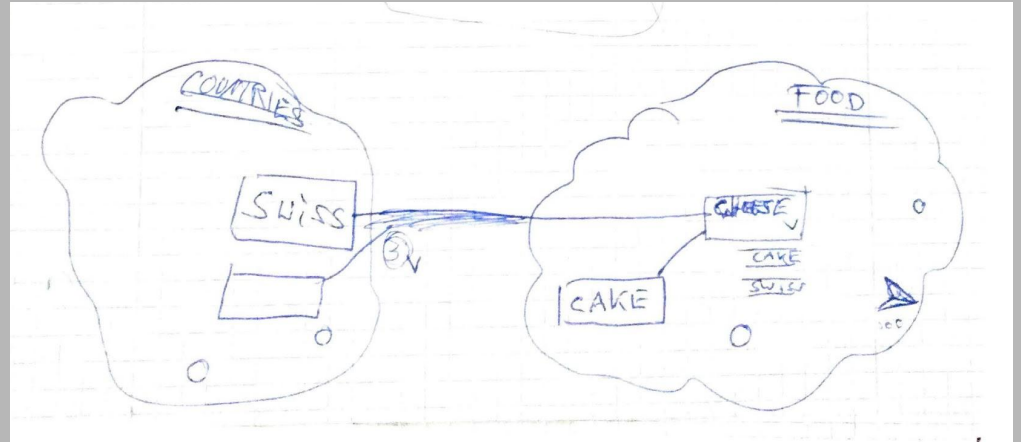
Create your own at Storyboard That

Metaphors

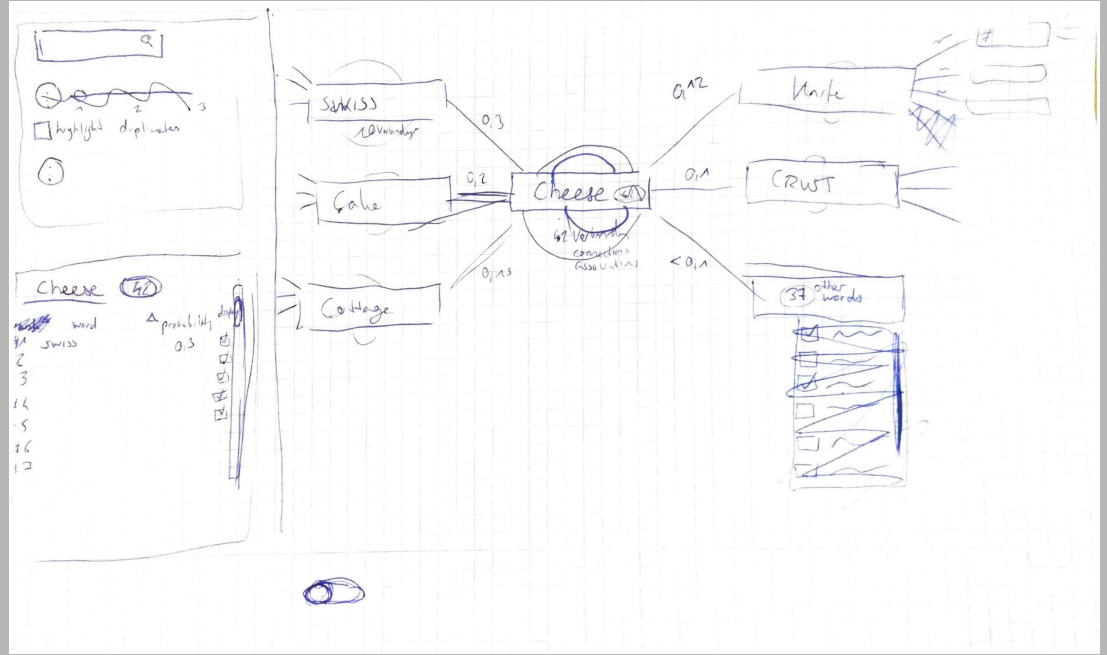
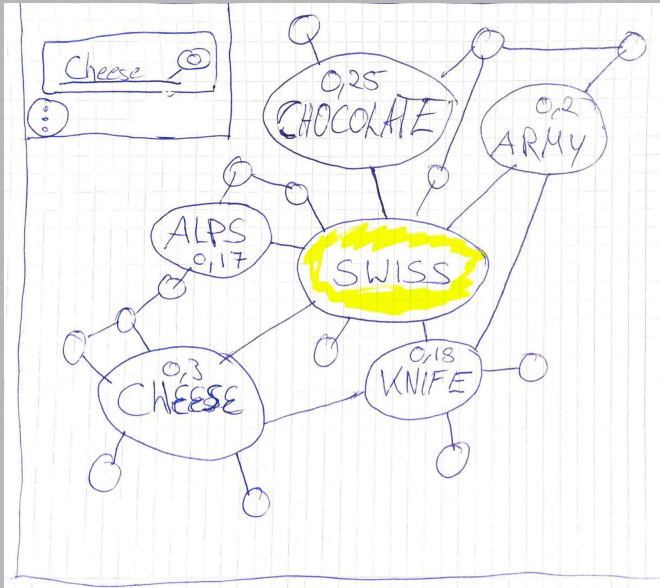


The universe

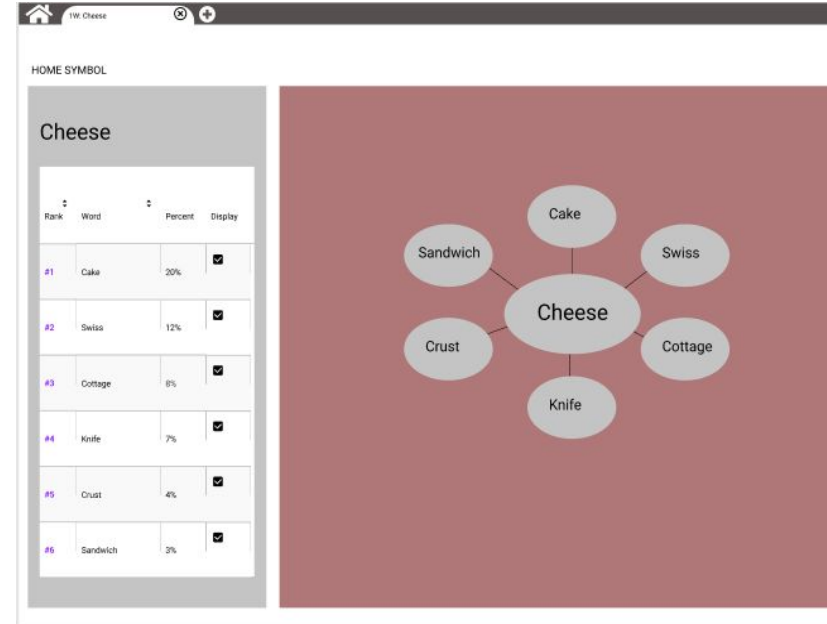
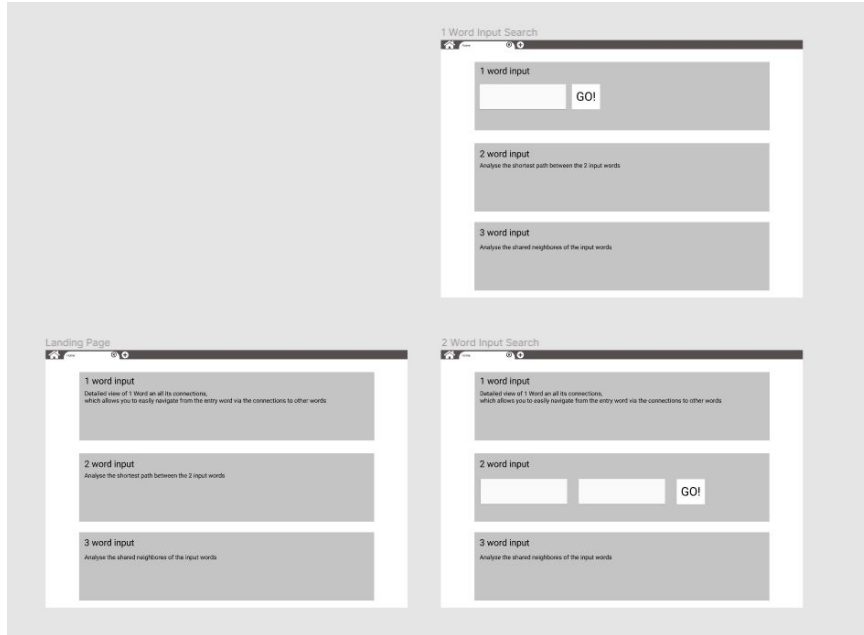
- Clusters of similar objects
- Connections between clusters



Paper Prototype



Click Dummy



<https://www.figma.com/file/TJIFqTzdMrcNYcCY4bgRply0/A-comRAT-C>

HiFi Prototype



+



<https://github.com/StephanieHohenberg/comRAT-C>



Demo

Welcome to comRAT-C !

ComRAT-C tests your **creativity** by the ability of finding an associated compound word on 3 given words. Our creative AI is storing **383 links between 350 words** and you can explore it. Go to the dashboard and discover interesting links in the exploration mode or just input the words, you are interested in.

Happy researching.



error prevention during input

🔄 PDF

📌 cream

cream ✕

📌 exploration mode

Check an other word! You already input this word.

🔄 PDF

📌 adsfasd

cream ✕

📌 exploration mode

Check an other word! This word does not exist in comRAT-C.

🔄 PDF

📌 che

- cheddar
- cheese
- manchego
- sandwiches

cream ✕ blue ✕ goat ✕

📌 exploration mode

The comRAT-C test is **limited to 3 words**.

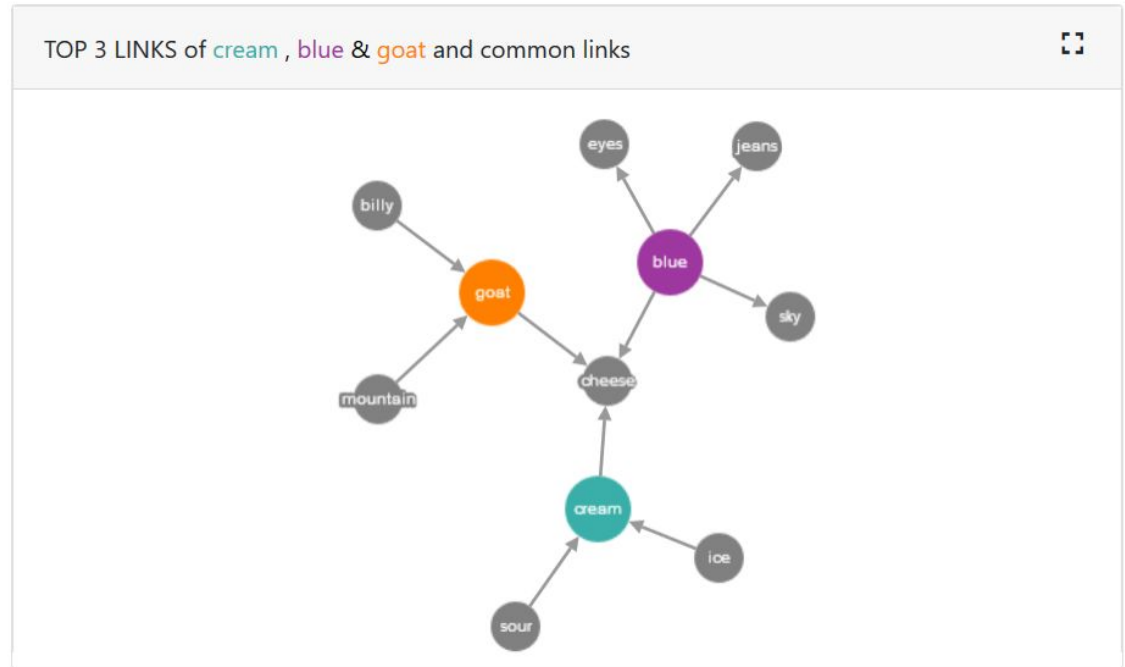
Dashboard with 3 input words

select words to explore ... cream blue goat exploration mode

cream blue goat

filter table ...

#	word	strength
1	cheese	1333 507 963



ListView

cream blue goat

filter table ...

#	word	strength
1	cheese	507 963
2	old	119 49
3	crumbled	28 27

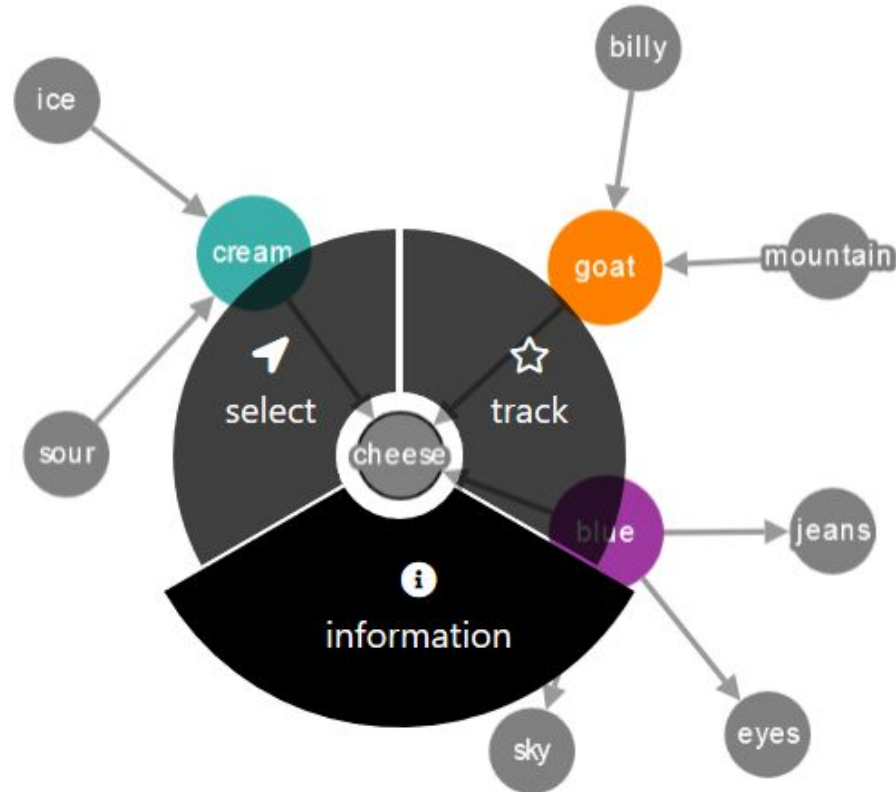
cream blue goat

filter table ...

#	word	strength
1	blue eyes	3370
2	blue sky	1387
3	blue jeans	891
4	dark blue	840
5	pale blue	779

“Hidden” functionalities

TOP 3 LINKS of **cream** , **blue** & **goat** and common links



“Hidden” functionalities - InformationView

The screenshot displays the InformationView interface. At the top, there is a search bar with the text "select words to explore ...". Below it, a row of selected words includes "cream", "blue", and "goat". A filter table is visible, showing a list of words and their strengths. A modal window is open, displaying a search for "cheese" and a filtered table of results. To the right, a network diagram shows nodes for "billy", "goat", "mountain", "blue", "jeans", "sky", and "eyes", with arrows indicating relationships between them.

select words to explore ...

exploration mode

cream blue goat

filter table ...

#	word	strength
1	cream cheese	1333
2	parmesan cheese	1151
3	goat cheese	963
4	cheddar cheese	567
5	blue cheese	507

filter table ...

#	word	strength
1	blue eyes	3370
2	blue sky	1387
3	blue jeans	891
4	dark blue	840
5	pale blue	779

network diagram nodes: billy, goat, mountain, blue, jeans, sky, eyes

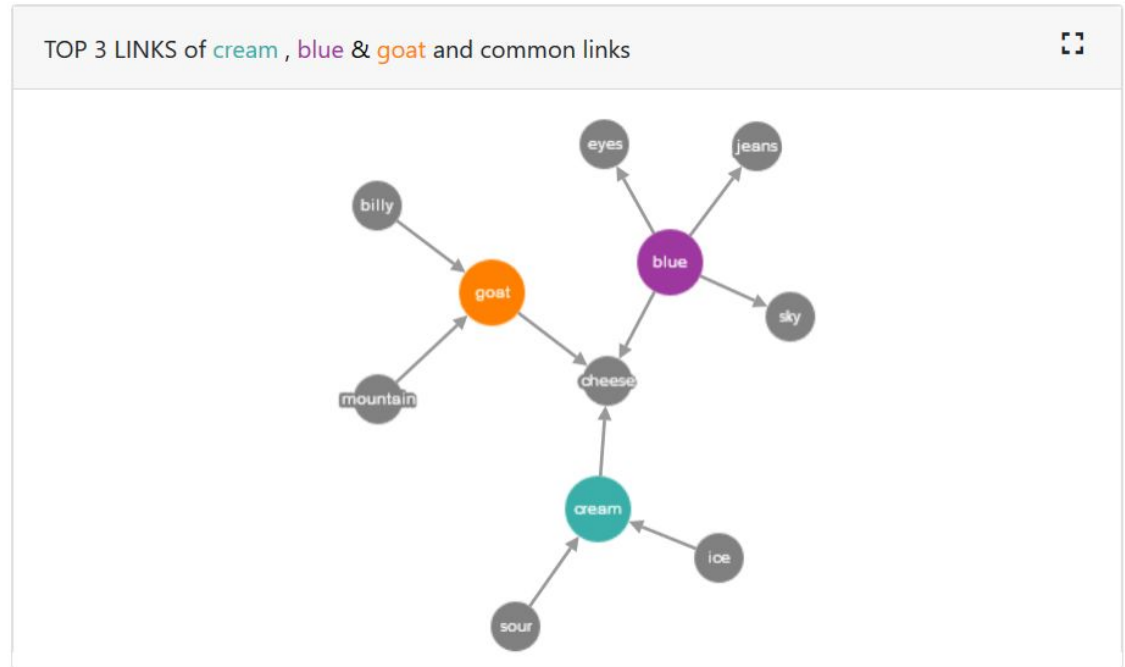
Dashboard with 3 input words

select words to explore ... cream blue goat exploration mode

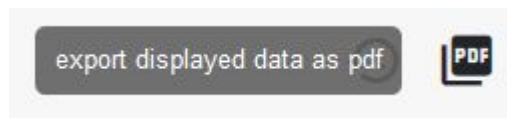
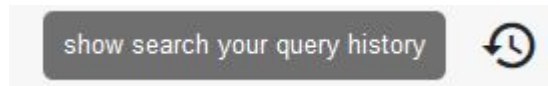
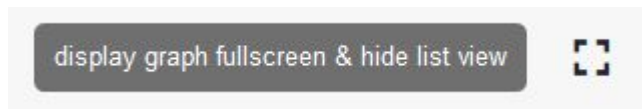
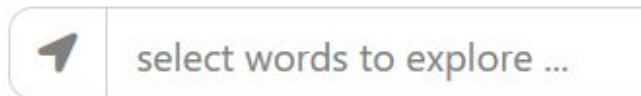
cream blue goat

filter table ...

#	word	strength
1	cheese	1333 507 963



Icons & Tooltips



Search query history

backtracking
by url

localhost:4200/words?w1=cheese&w2=cream&w3=grilled

select words to explore ...

cheese cream grilled

Sorry!
There are no linked words between cheese, cream & grilled. Toogle the words to get more insights.

Your search query history

filter table ...

timestamp	search query
5:41 PM	cheese cream grilled select
5:41 PM	cheese cream grilled select
5:40 PM	cheese cream select
5:39 PM	cream blue goat select

ice

cream

sour