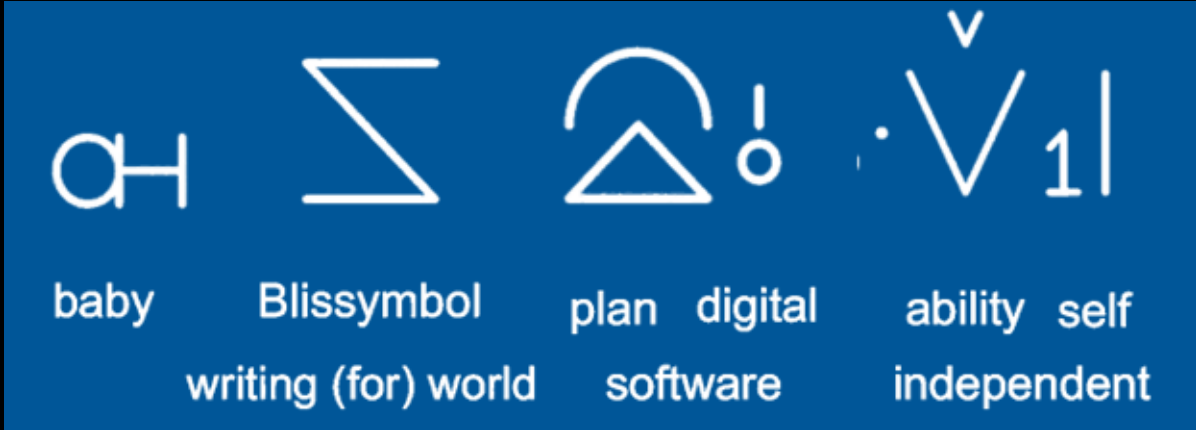


Baby Bliss Bot



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*(The ancestral and traditional territories of the Mississaugas of the Credit, the Haudenosaunee, the Anishinaabe & the Huron-Wendat)

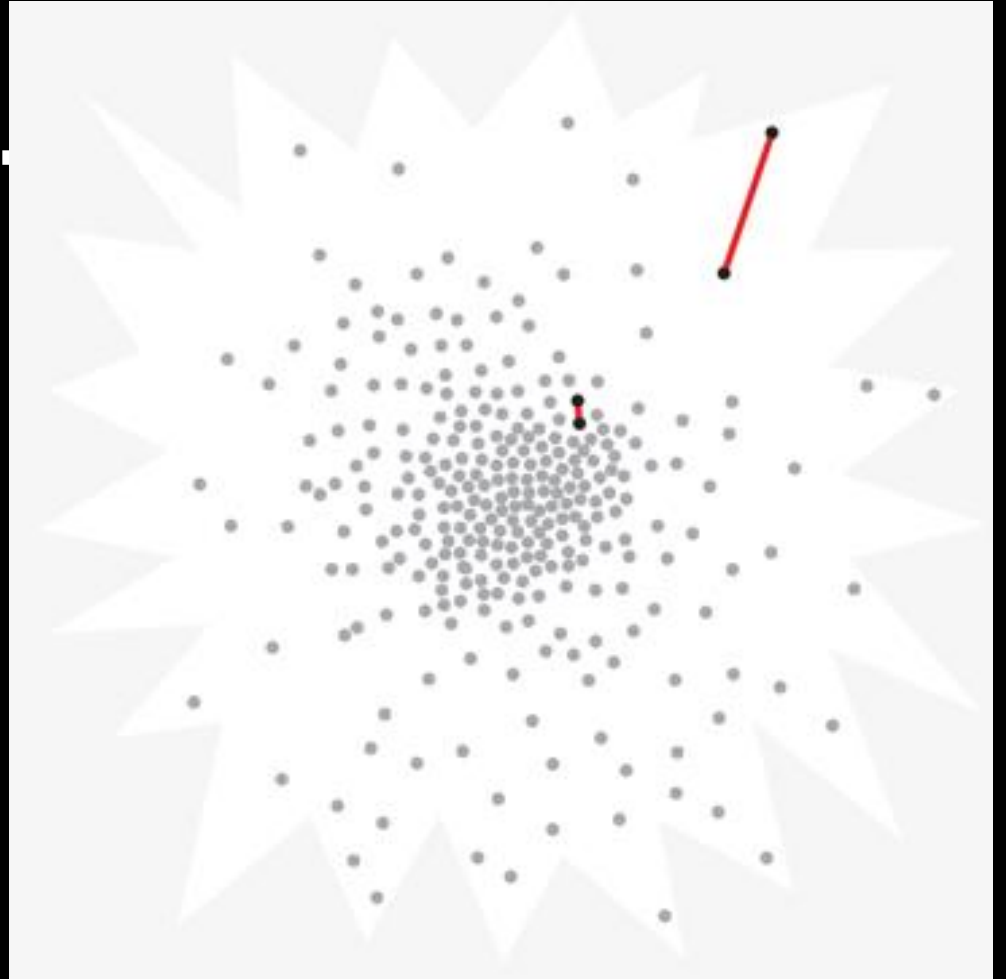
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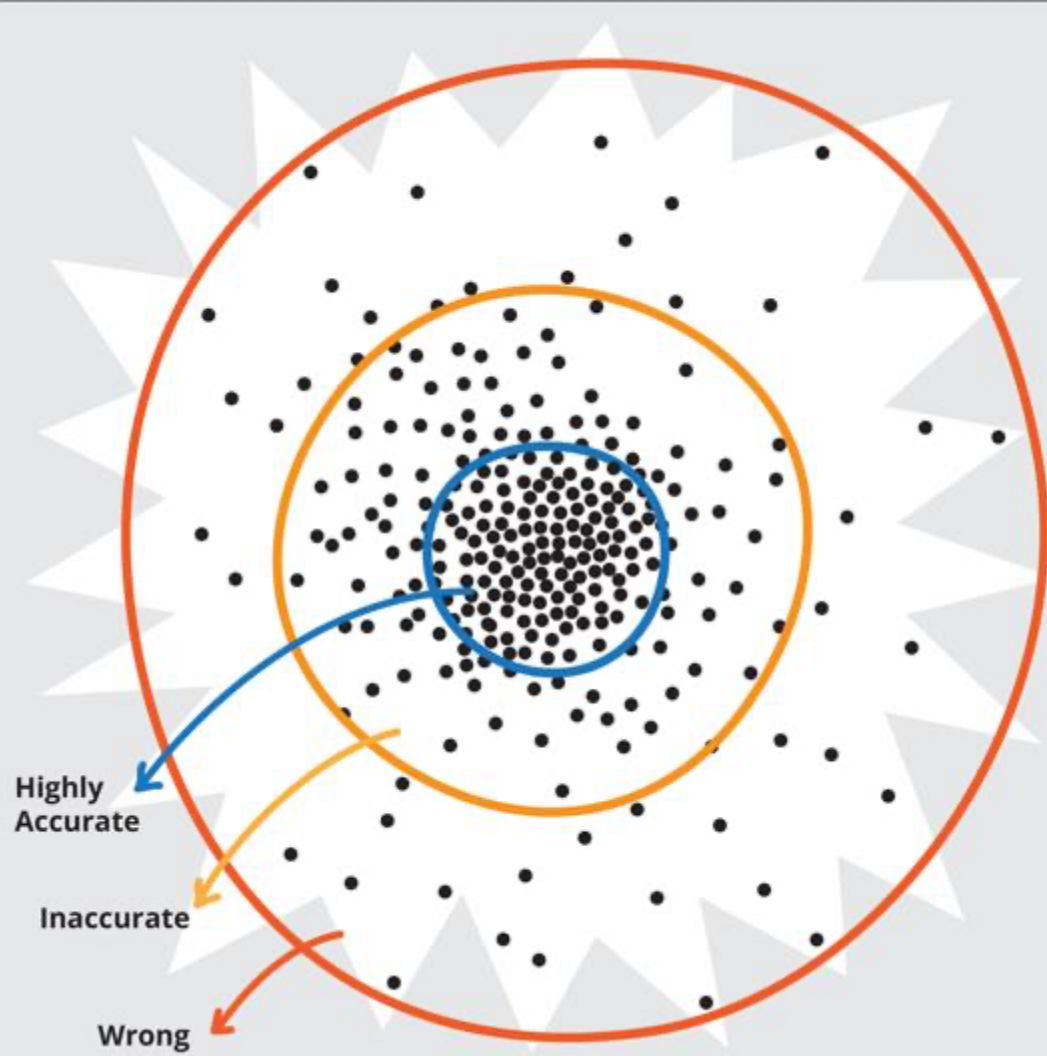
Risks & Opportunities of AI

Risks

- Statistical discrimination
- Amplification, acceleration and automation of past discrimination
- Data abuse & misuse
- False assurances of AI Ethics

Difference...





Opportunities

- Augment and assist human functioning
- Mechanize the formulaic efficiently, effectively, accurately and consistently at scale

Existing Large Language Models

- Trained indiscriminately on large data sets
- Come with biases, toxic content, stereotypes (polluted data)
- Hallucinate, create pastiche (BS)

AAC Users with Cerebral Palsy

- No access to speech as a phonetic reference
- Reduced voluntary movements and control
- Barriers to experiences that support language and literacy development

Our Plan

- Responsibly raise a Bliss chat bot
- Provide access to more efficient and effective communication through Bliss as a non-phonetic meaning system
- Assist in teaching Bliss communication
- Assist in generating new vocabulary

Semantic Shorthand

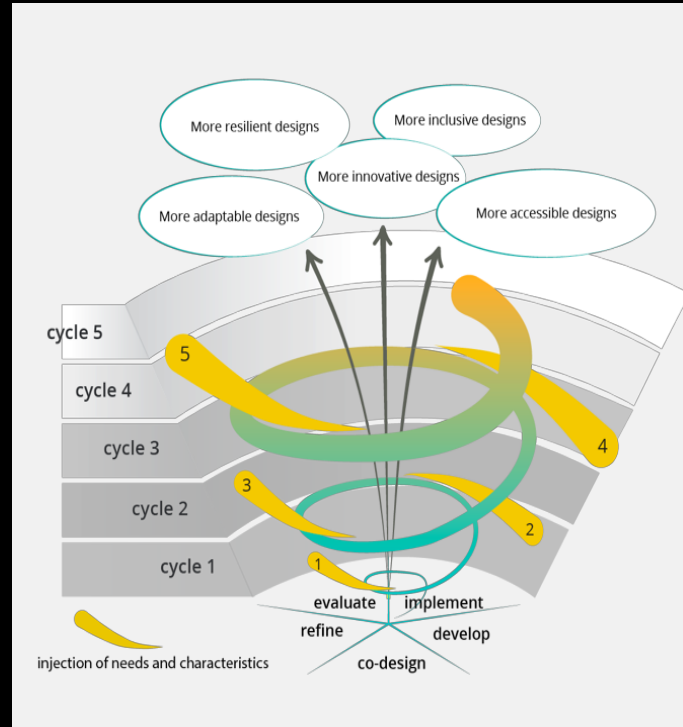
- As a semantic code for more efficient access
- A predictable “auto-complete”
- Creative generation of new vocabulary with available selections

Experiments so far

- Bliss label as prompt to LLM
- Addition of form of communication, partner and context
- Grammatically correct production
- Loss of individuality

Commitments..

- Community-led co-design
- Virtuous tornado processes



Compass...

- Bridge across modalities and languages
- Generative meaning making
- Community stewarded and raised (no technodeterminism)

Different how?

- Hybrid approach, both rule-based and deep learning
- Explore transfer and transformation learning, tuning methods, adversarial techniques, prompt engineering...
- Experiment in inverting statistical reasoning toward difference and the individual

Questions?

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