

1 | Things to check out

- QIC Textbook: qubit.guide
- Now he does category theory

2 | Notes

"French Mathematics"

3 | Quantum NLP

- Bob Coecke's talk on quantum NLP: <https://topos.site/topos-colloquium/>
- Symmetric monoidal category
- Grammar equations to encoding information: <https://arxiv.org/abs/2106.07485>

And now, we ignore quantum

- DisCoCat: word vector distance
- ...Graphical Linear Algebra <https://graphicallinearalgebra.net/>; translating matrices into category theory graphs <https://graphicallinearalgebra.net/2015/06/09/matrices-diagrammatically/>
- If you do it in higher dimensions, you get more
- Diagrammatic category theory. "string diagrams"
- Coherence laws

4 | Random Questions

- Use category theory to design open software?????
- Compiling human language <> mathematics Piech's Lab
- Bob Coecke: Quantinuum — quantum and natural language processing.