Introduction

There are three main ingredients to this thesis:

- quantum computing,

- natural language processing,

- and category theory.

We will introduce them in order, followed by a summary of the thesis.

Why make NLP quantum?

We have seen in the previous section that quantum computers cannot simply solve any problem faster: the problem needs to have some structure that a quantum computer can exploit. So why should we expect quantum computers to be any good at NLP?

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