



## **BILLIONS OF VECTORS, BILLIONS OF ANSWERS**

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### **Abstract:**

At YottaAnswers we are building an AI Question-Answering system capable of providing direct answers to billions of general questions. We use as input a significant fraction of relevant textual information available in the English language on the Web. Our approach is based on geometry of intelligence, embedding parts of a text into a n-dimensional vector space. It allows us to develop a highly scalable AI system that is, currently, only one order of magnitude smaller than the Google Search engine. In addition, we are developing our own indexing system, as one of a very few companies that currently does that. Our system covers the fat head of most frequently searched information with disproportionately smaller resources than competing approaches favored by Google, OpenAI and others. We believe that our approach may have a significant impact on future of information search as well as on developments related to the field of Natural Language Processing.

**Keywords:** Natural Language Processing, AI, Question-Answering systems