

「THE UNSUPERVISED SELF」

Anterra
Kennedy



The Mind-Body
Problem



Quantum Physics



Eastern
Philosophy



Machine Learning
Workflow



Findings



Implications



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Implications

The “Hard” Problem of Consciousness



Past

Philosophical Question

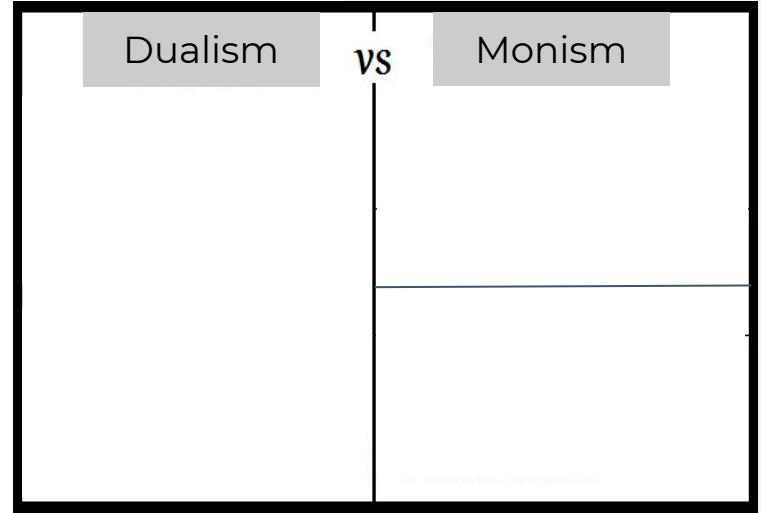


Future

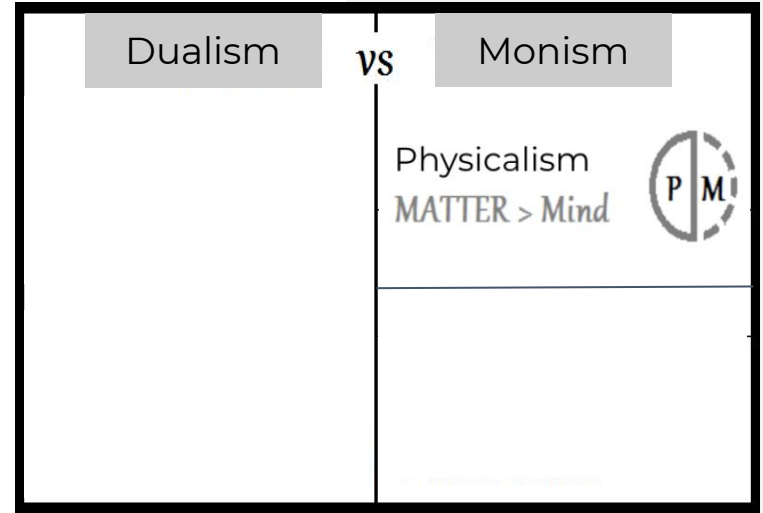
Artificial Consciousness

「THE MIND-BODY PROBLEM」

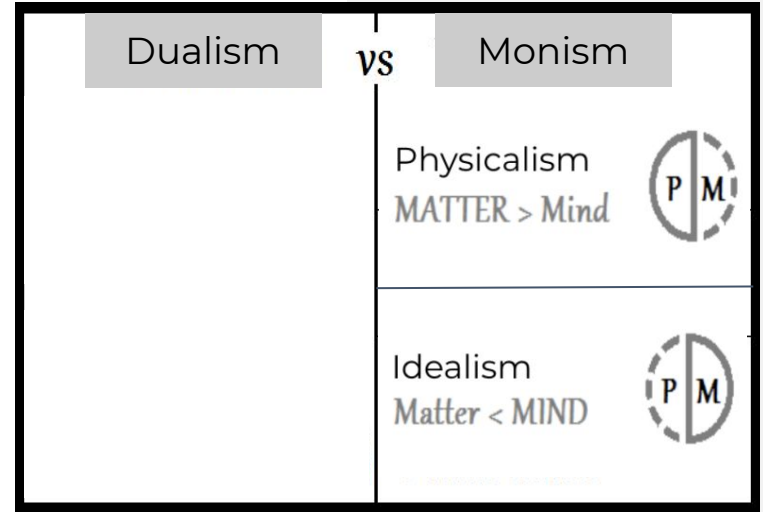
Monism
vs.
Dualism



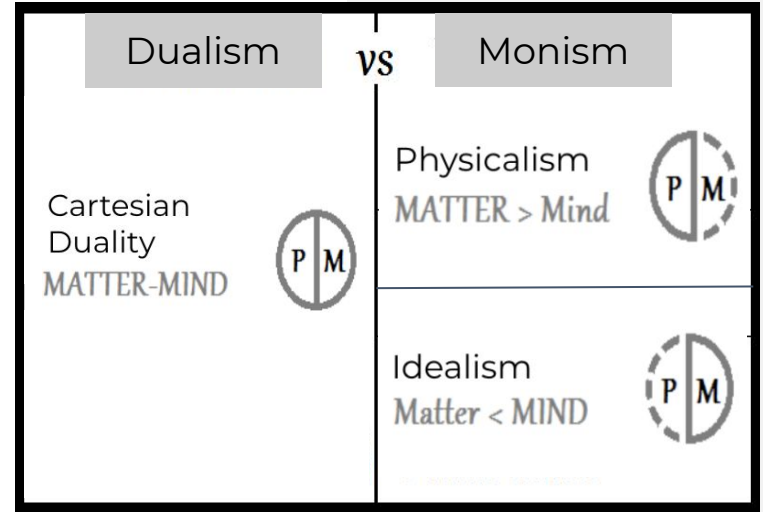
「THE MIND-BODY PROBLEM」



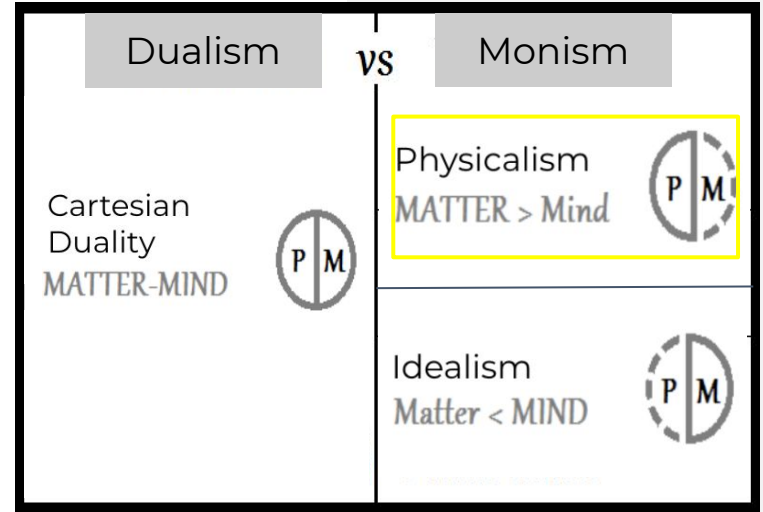
「THE MIND-BODY PROBLEM」



「THE MIND-BODY PROBLEM」



「THE MIND-BODY PROBLEM」



「THE
MIND-BODY
PROBLEM」

Assumptions

「THE MIND-BODY PROBLEM」

Assumptions

- Western Need for Empirical Evidence

「THE MIND-BODY PROBLEM」

Assumptions

- Western Need for Empirical Evidence
- Reality is Deterministic

「THE MIND-BODY PROBLEM」

Assumptions

- Western Need for Empirical Evidence
- Reality is Deterministic
- Energy and Matter are Discrete

New (and Old) Perspectives

**Quantum
Mechanics**



New (and Old) Perspectives

Quantum Mechanics

- Reality is Probabilistic
 - Influenced by Observer

New (and Old) Perspectives

Quantum Mechanics

- Reality is Probabilistic
 - Influenced by Observer
- Energy ↔ Matter

New (and Old) Perspectives

Quantum Mechanics

- Reality is Probabilistic
 - Influenced by Observer
- Energy ↔ Matter
- Non-Locality & Entanglement

New (and Old) Perspectives

Quantum Mechanics

- Reality is Probabilistic
 - Influenced by Observer
- Energy ↔ Matter
- Non-Locality & Entanglement

Eastern Philosophy

New (and Old) Perspectives

Quantum Mechanics

- Reality is Probabilistic
 - Influenced by Observer
- Energy ↔ Matter
- Non-Locality & Entanglement

Eastern Philosophy

- Pure consciousness

New (and Old) Perspectives

Quantum Mechanics

- Reality is Probabilistic
 - Influenced by Observer
- Energy ↔ Matter
- Non-Locality & Entanglement

Eastern Philosophy

- Pure consciousness
- Only consciousness, origin of all things

What

- Similarity between consciousness in quantum and eastern philosophy
- New approach to the mind-body problem

「THE
GOAL」

What

- Similarity between consciousness in quantum and eastern philosophy
- New approach to the mind-body problem

「THE GOAL」

How

- Natural Language Processing
- Unsupervised Learning

WORKFLOW

Gather Documents



- Hinduism
- Buddhism
- Taoism
- Quantum

(primary and secondary)

WORKFLOW

Gather
Documents

Extract
Text



- pyPDF2
- Textract

Pre-Processing



- Non-English
- CountVectorizer
- SpaCy Lemmatizer
- Stop Words
- Min_df

Pre-
Processing

Topic
Modeling

1
2
3

- LSA/NMF
- CorEx
- LDA - gensim

Pre-
Processing

Topic
Modeling

Visualization



- pyLDAvis
- PCA
- t-SNE

Pre-
Processing

Topic
Modeling

Visualization

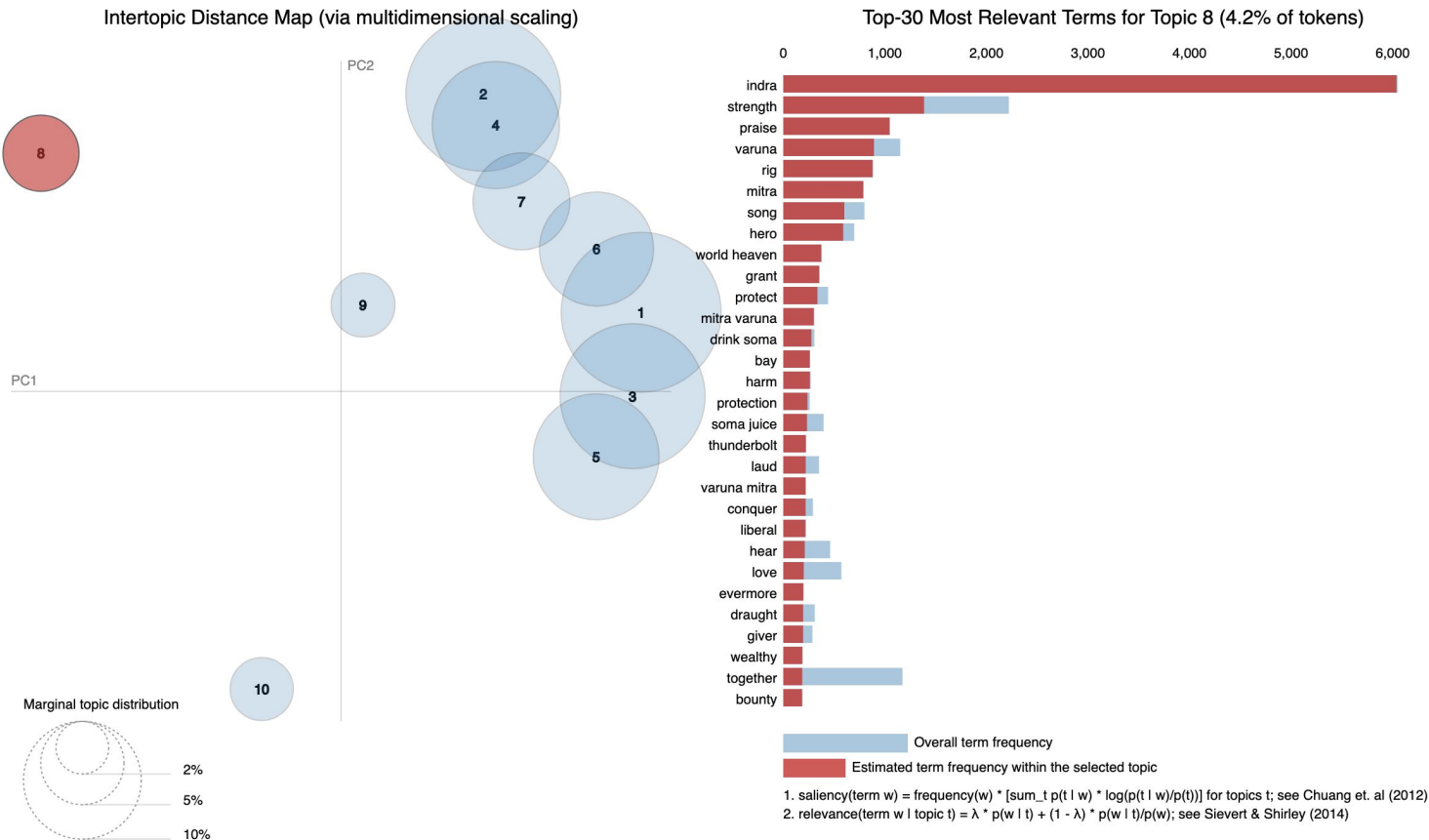
Analysis



「FINDINGS」

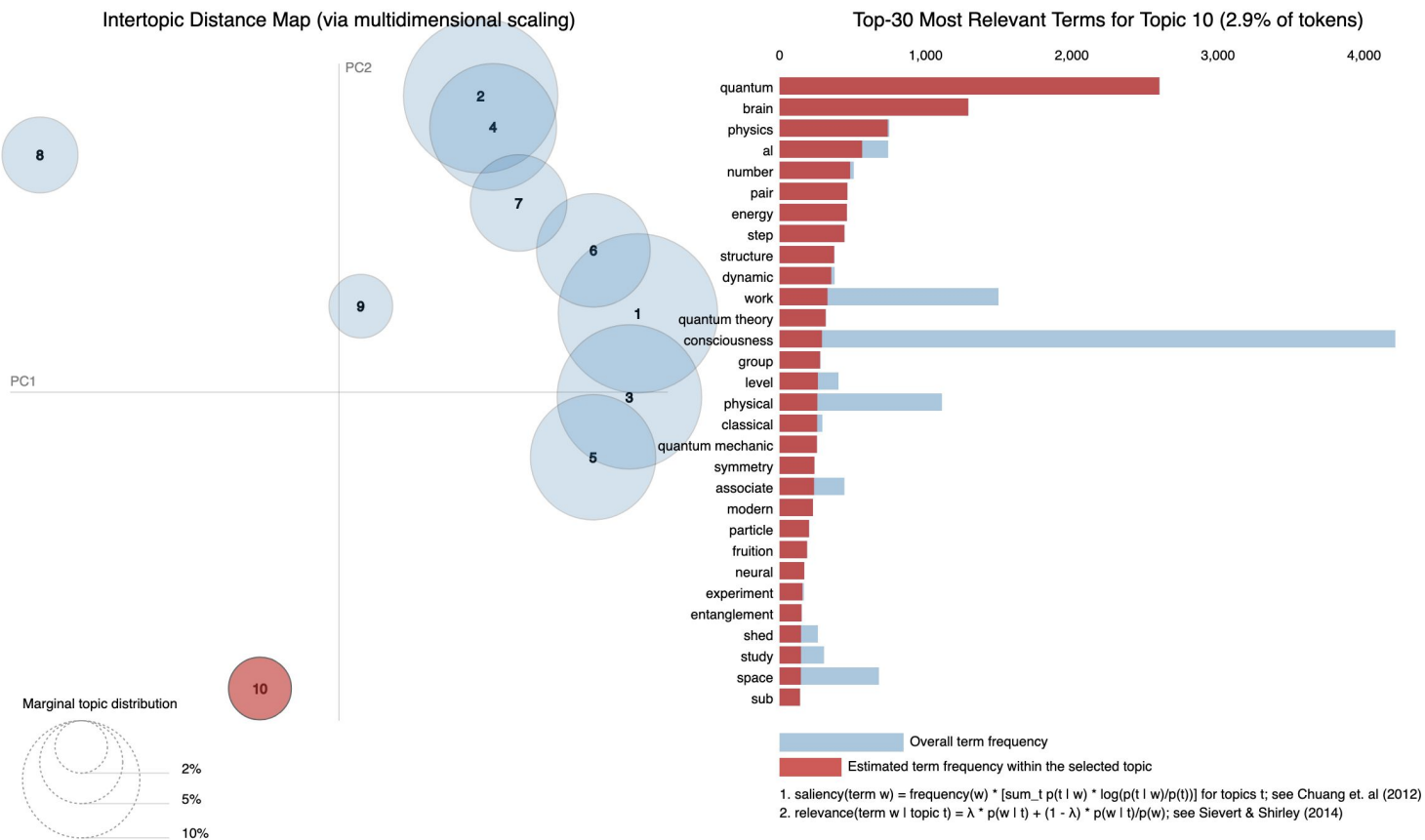
Topics

Religion-
Specific



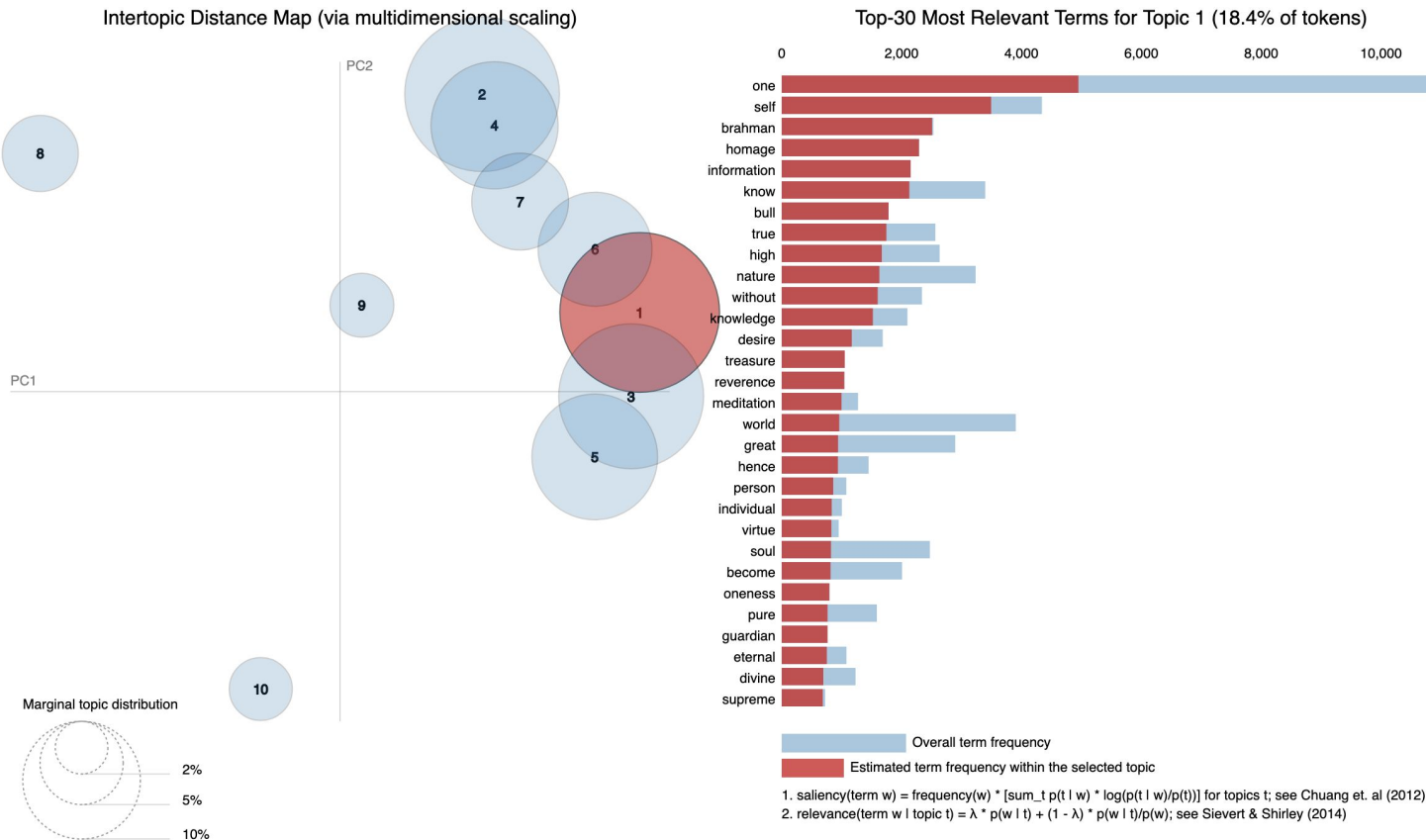
Topics

Quantum Mechanics-Specific



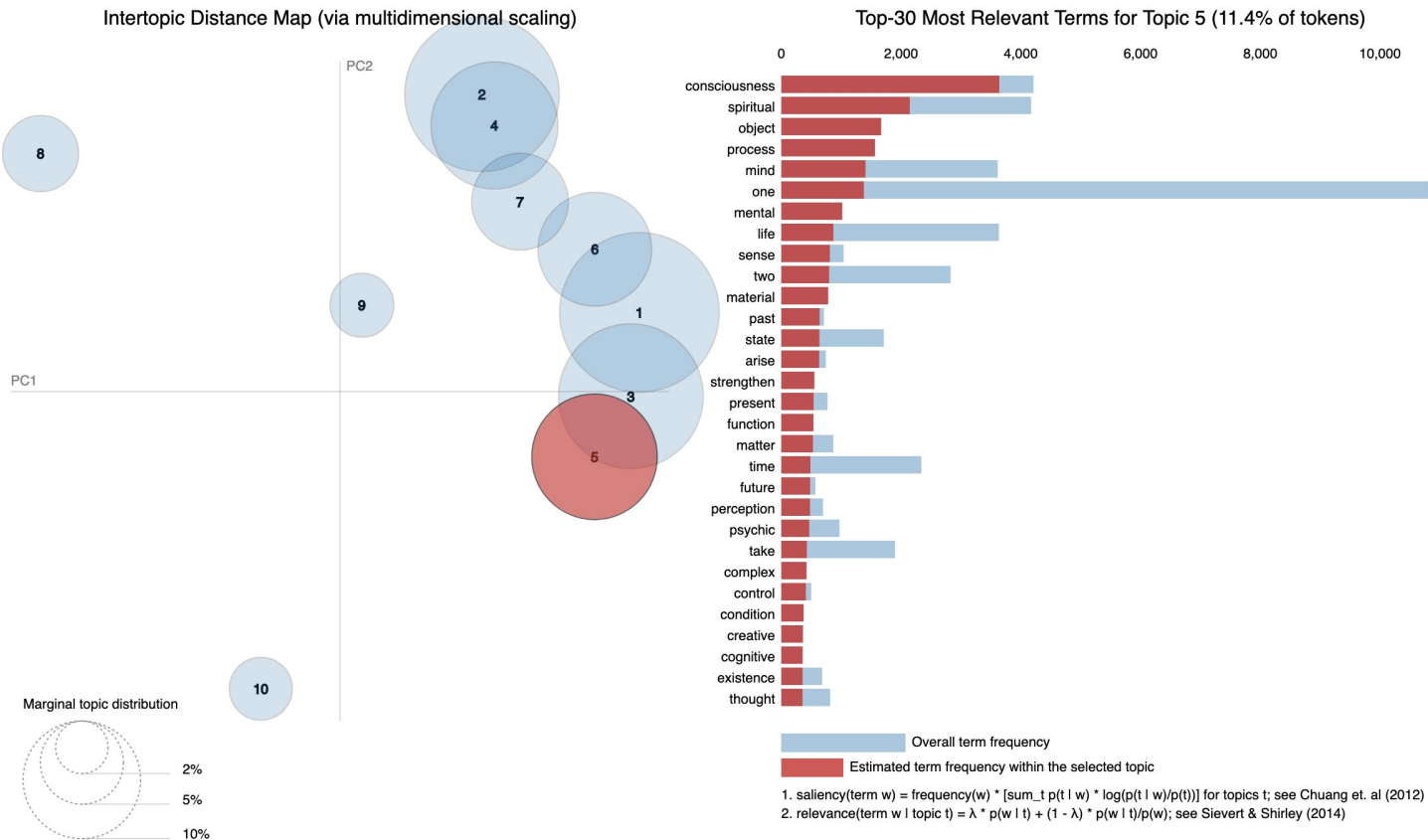
Topics

Shared & Similar Concepts



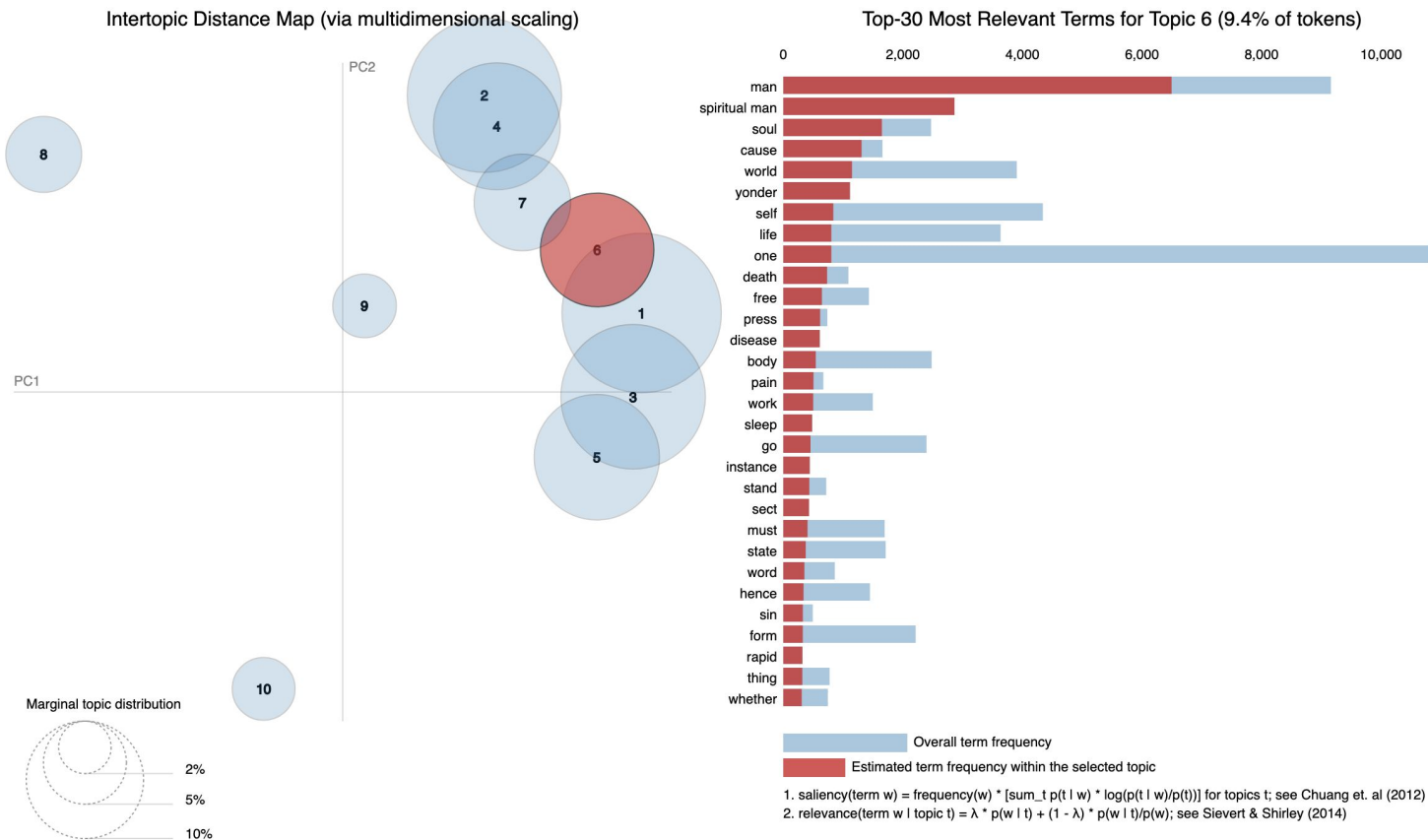
Topics

- Consciousness
- Spiritual
- One
- Self
- Mind
- Nature
- Reality
- Universe



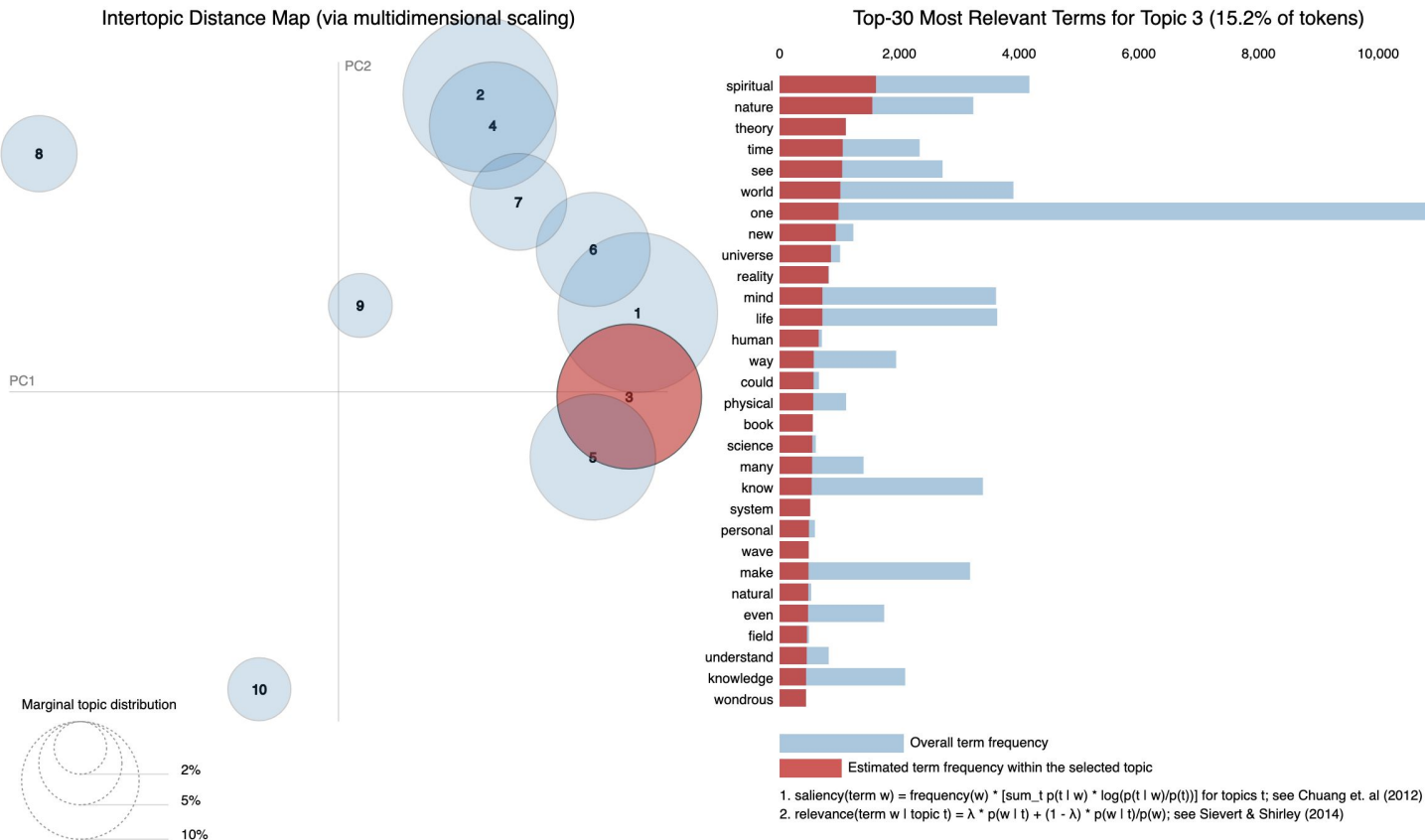
Topics

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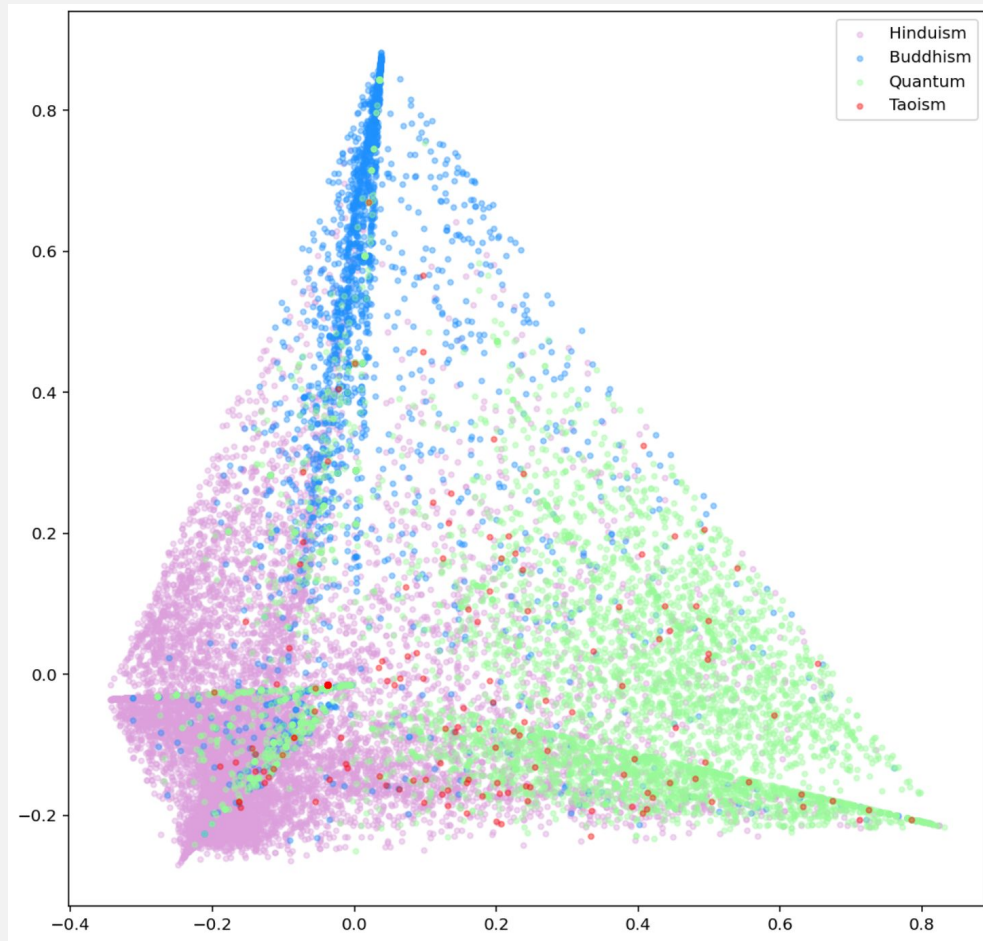
Topics

- Consciousness
- Spiritual
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- Self
- Mind
- Nature
- Reality
- Universe



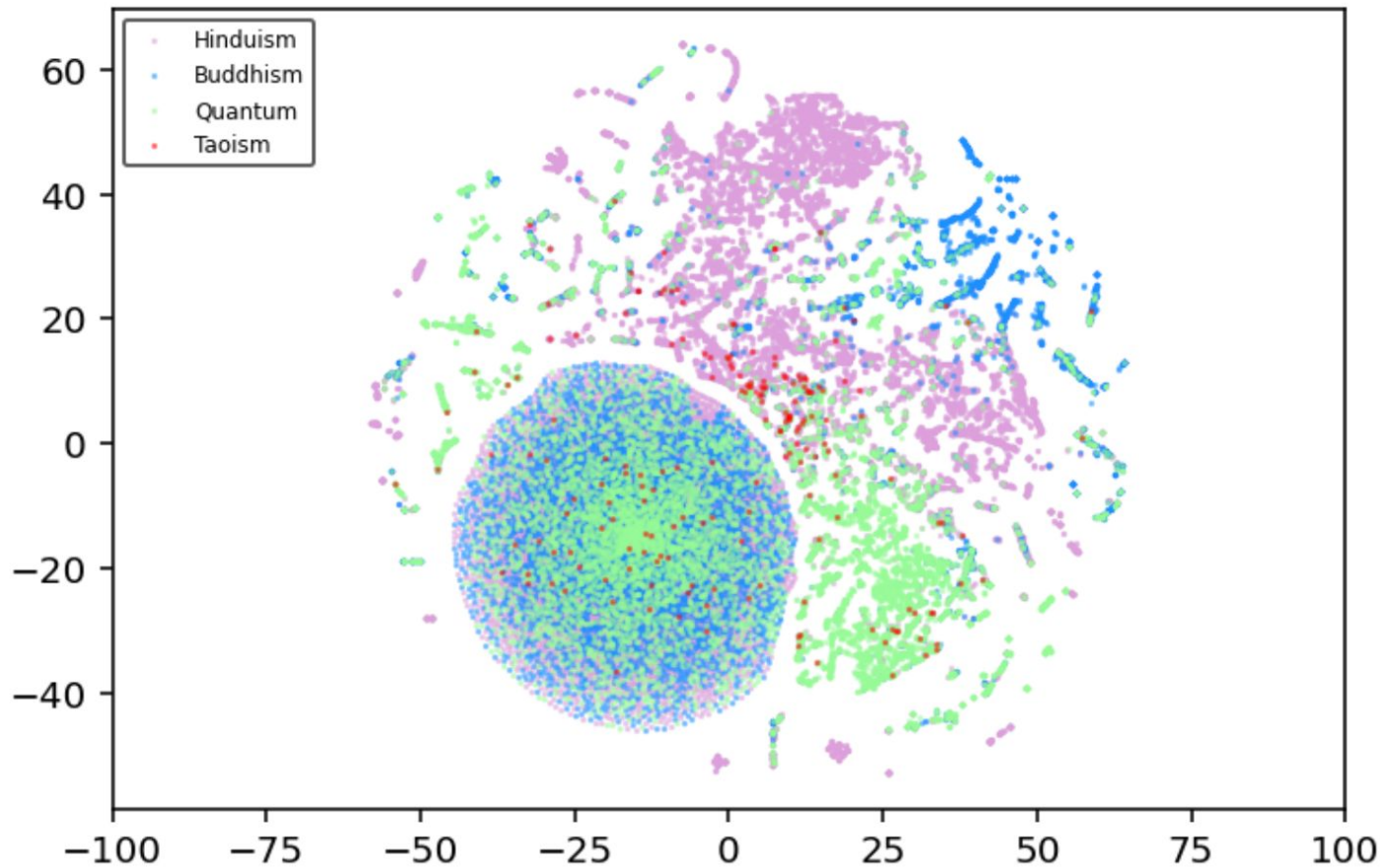
PCA

Document Similarity



t-SNE

Document
Similarity





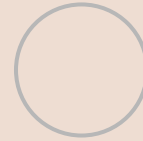
「KEY IMPLICATIONS & TAKEAWAYS」



IMPLICATIONS

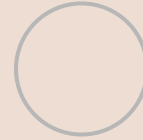


Descriptions of
Consciousness in Quantum
are **Very Similar** to Eastern
Thought





IMPLICATIONS



Descriptions of
Consciousness in Quantum
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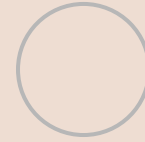
Words used in the
common topics, point
toward **Idealism**



IMPLICATIONS



Descriptions of Consciousness in Quantum are **Very Similar** to Eastern Thought

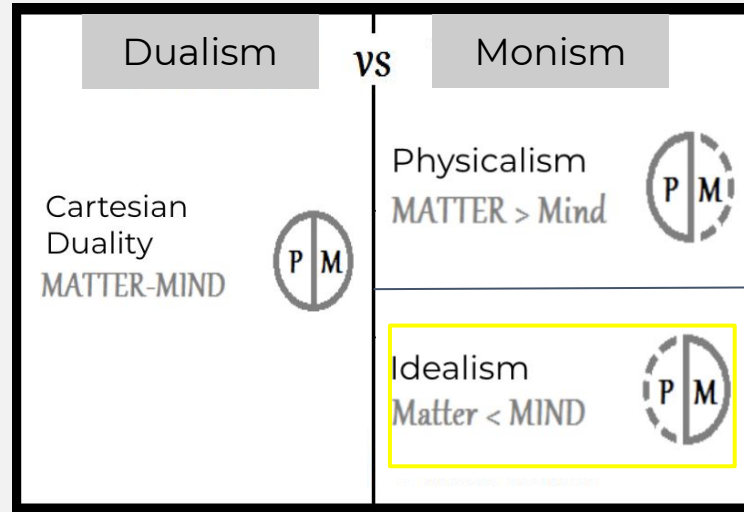


Words used in the common topics, point toward **Idealism**



- ★ Quantum Computing?
- ★ AI?
- ★ Solution to EPR Paradox?

CONCLUSION



「HOPEFUL FUTURE WORK」

- Integration of Eastern Teachings into Modern Scientific Breakthroughs

“Science does not
need mysticism
and mysticism
does not need
science.

But man
needs both.”

-Fritjof Capra
The Tao of Physics

“Science does not
need mysticism
and mysticism
does not need
science.

But man
needs both.”

-Fritjof Capra
The Tao of Physics

“...and maybe
Artificial Man
needs both,
too.”

-Anterra Kennedy

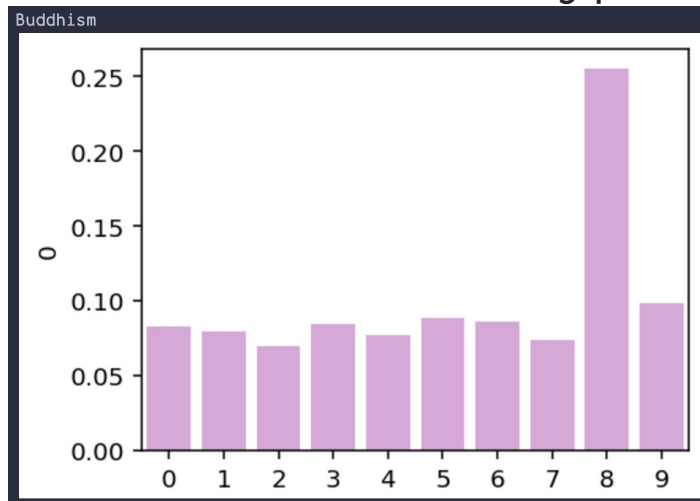
「Thanks」

anterrakennedy.com

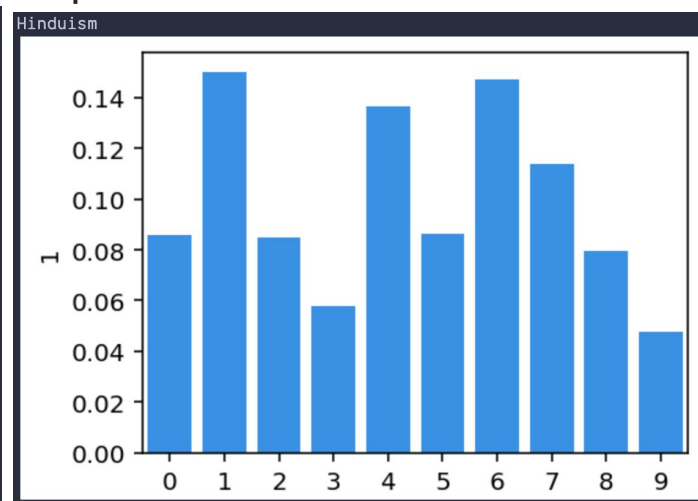
「APPENDIX」

Document Type - Topic Distributions

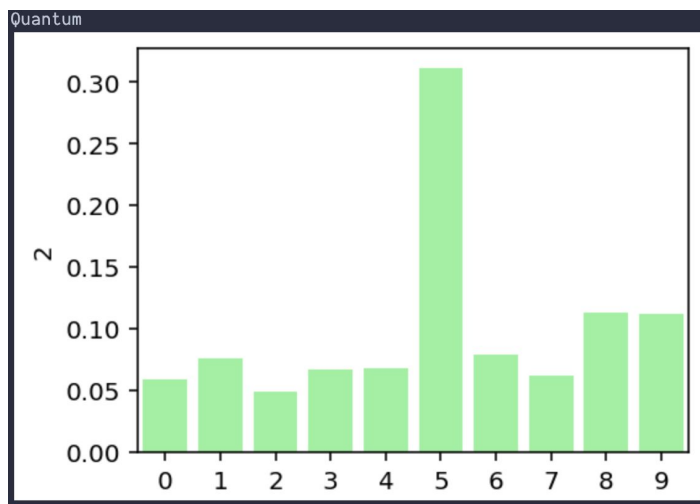
Buddhism



Hinduism



Quantum



Taoism

