Understanding Text Representation

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Text Representation

1.23	1.16	1.13	1.10	1..07	1.05
1.23	1.16	1.13	1.10	1.07	1.05
1.17	1.16	1.13	1.10	1.07	1.05
0.14	1.13	1.13	1.10	1.07	1.05
0.11	0.10	0.10	1.10	1.07	1.05
0.08	0.08	0.08	0.07	1.07	1.05
0.06	0.06	0.06	0.05	0.05	1.05

Tabular Data

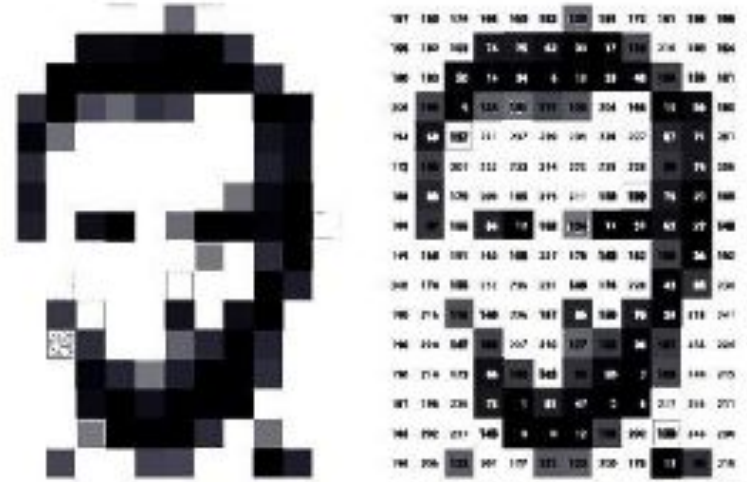

Image Data

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Text Representation

- Machine Learning algorithms (almost all) don’t accept text as input.

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Text Representation

- Machine Learning algorithms (almost all) don’t accept text as input.
- **Text representation:** Convert text to numbers

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Text Representation

- Machine Learning algorithms (almost all) don’t accept text as input.
- **Text representation:** Convert text to numbers
- Types of text representation methods:
  - One-Hot-Encoding
  - Word Embeddings

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One Hot Encoding

I have three dogs

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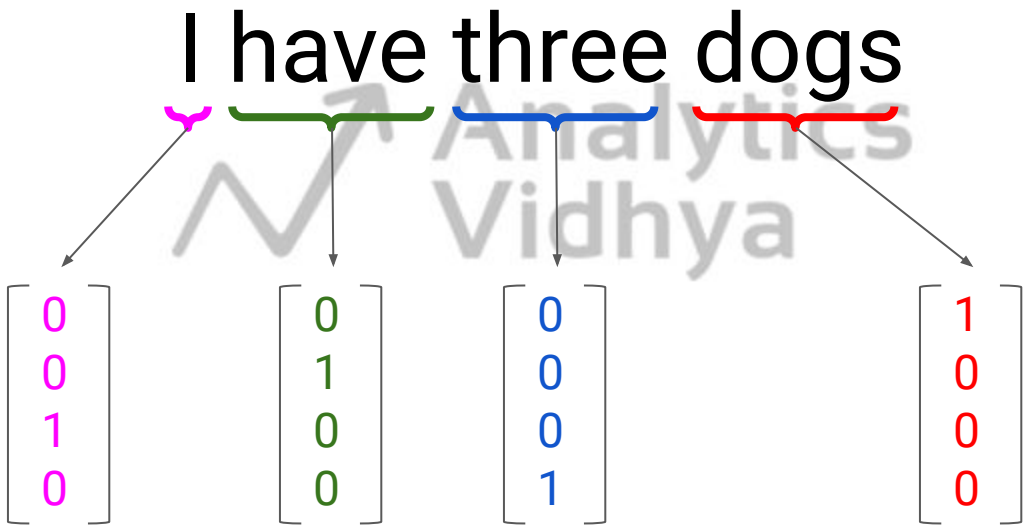
One Hot Encoding



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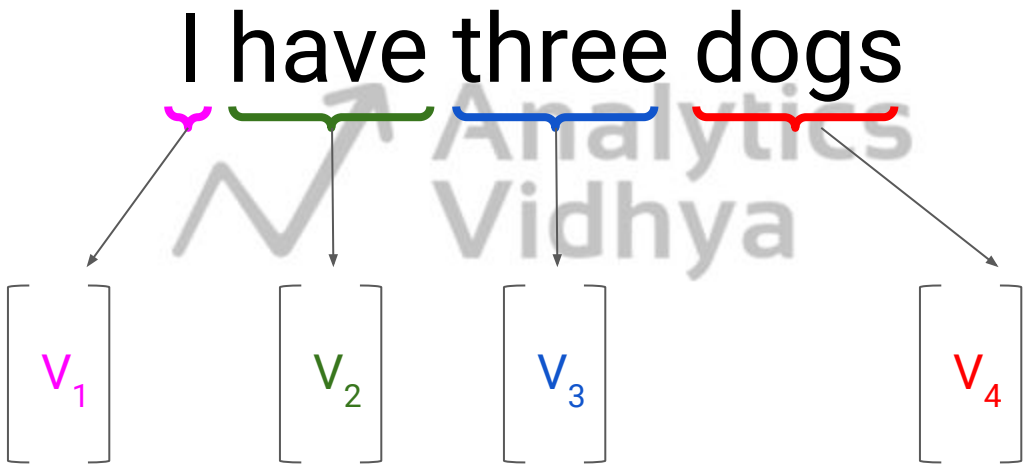
Word Embeddings



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Thank You

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