

Understanding Text Representation

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



181	188	174	166	169	163	130	166	172	161	166	166
166	183	169	74	76	43	34	17	174	216	180	164
166	183	20	14	24	4	18	33	46	166	166	161
306	166	6	133	130	171	130	304	166	18	36	160
144	64	167	141	167	146	146	144	207	61	14	161
173	166	161	112	133	144	215	133	138	16	16	166
166	66	176	166	166	144	171	166	166	76	25	166
166	66	166	34	14	166	134	14	14	61	25	166
144	166	161	143	166	117	176	166	166	166	36	160
306	174	166	171	176	131	166	176	176	43	66	166
166	174	176	166	176	161	66	166	16	34	176	161
166	174	167	166	167	146	177	166	36	161	176	166
166	174	173	66	166	166	16	166	16	166	166	175
161	166	176	71	1	61	67	1	1	177	166	171
166	176	171	166	6	6	12	166	166	166	166	166
166	166	133	161	177	131	133	166	176	14	166	176

Image Data

Text Representation

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



Text Representation

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



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

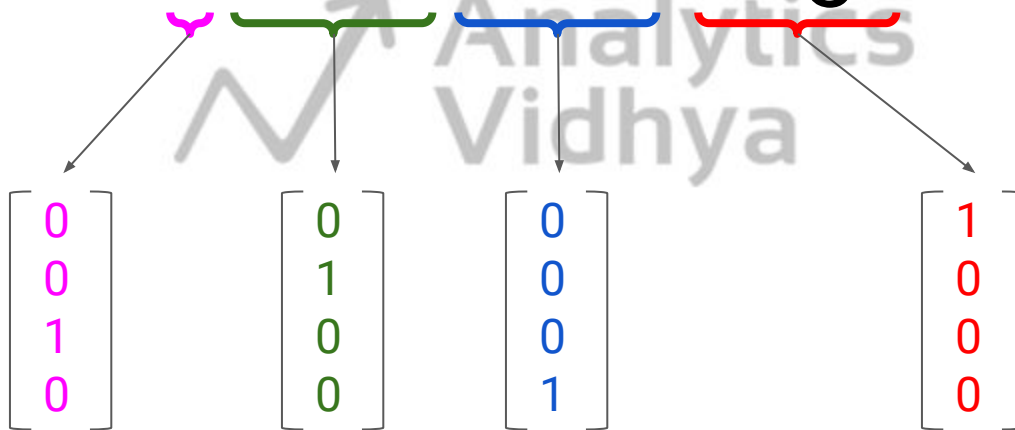
One Hot Encoding

I have three dogs

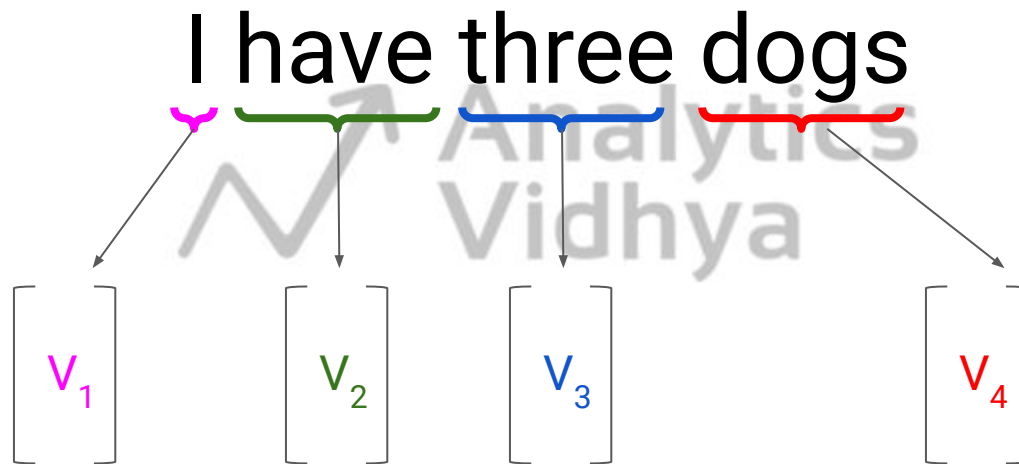


One Hot Encoding

I have three dogs



Word Embeddings



Thank You

