

Words Become Dense Continuous Vectors

**Words
(Discrete)**

**Vectors in \mathbb{R}^{300}
(Continuous)**

cat



[0.82, 0.55, 1.03, 0.23, ...]

dog



[0.24, -0.34, 0.12, -0.85, ...]

mat



[0.47, -0.28, -0.53, -0.29, ...]

happiness



[0.06, -0.15, 0.29, 0.29, ...]