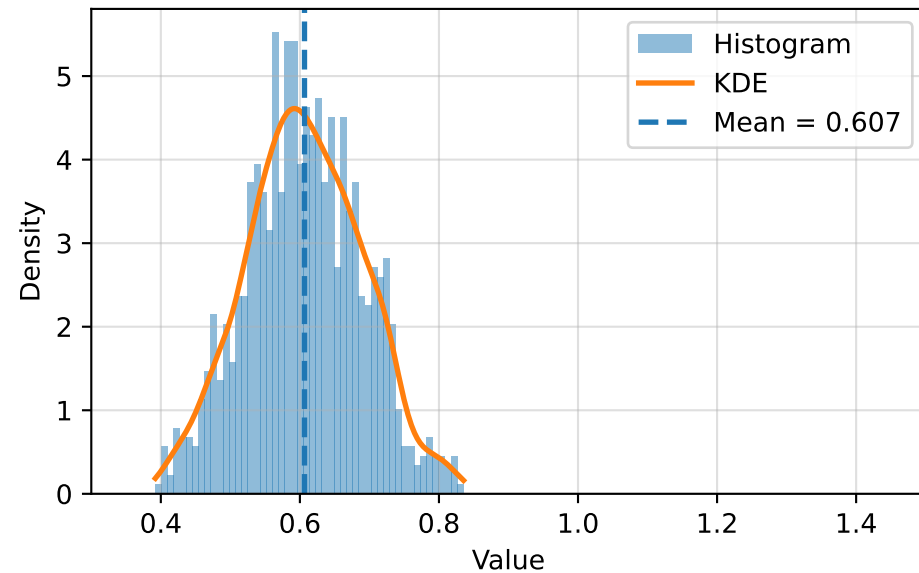
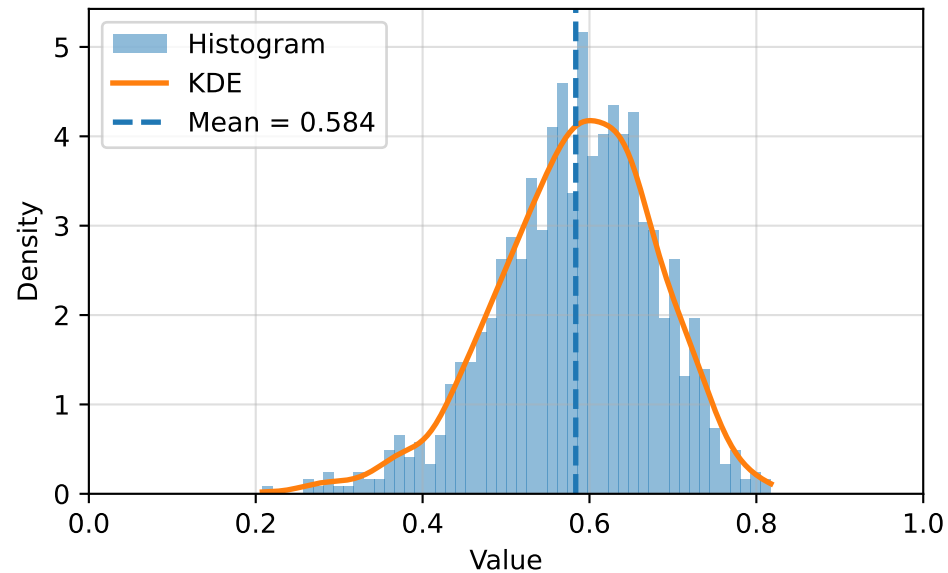


$\|g\|$  (Magnitude) $\|\cos(g, \mathbb{E}[g])\|$  (Direction) $\cos(x - \mathbb{E}[x], g)$  (Orthogonality)