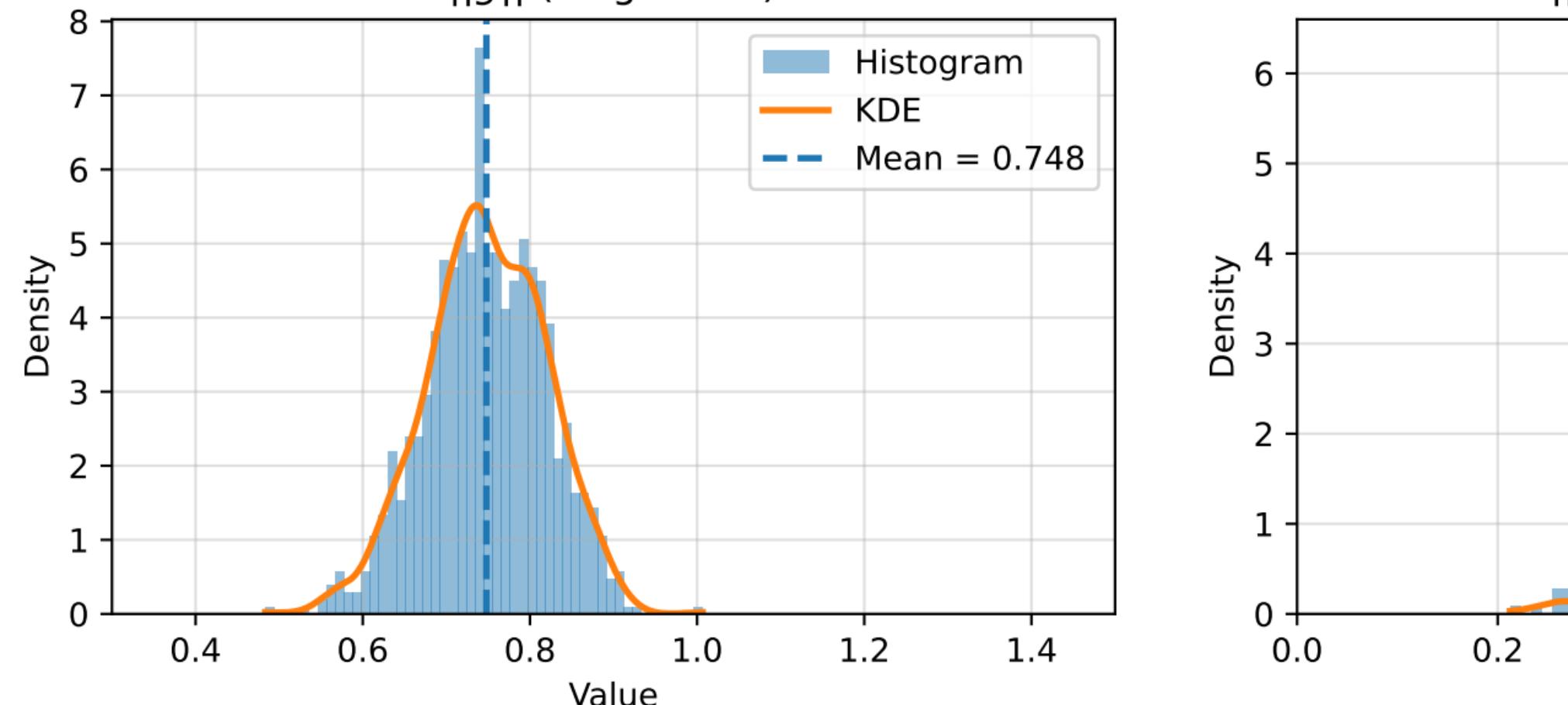
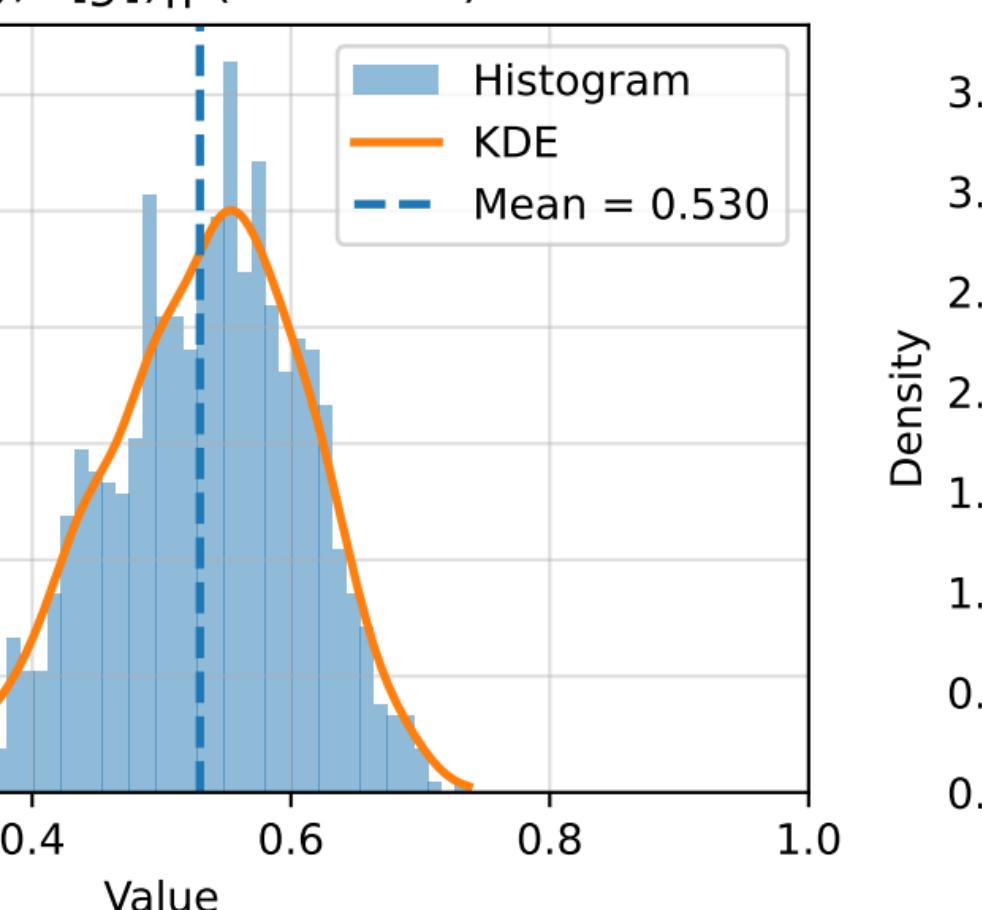


$\|g\|$  (Magnitude)



$\|\cos(g, \mathbb{E}[g])\|$  (Direction)



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

