$$\mathbb{P}\left(\hat{d}_{\text{vote}} \neq d\right) \leq e^{-\frac{c' n}{(c^d k)^2}},$$

$$\mathbb{P}\left(\hat{d}_{\text{avg}} \neq d\right) \leq e^{-\frac{c'' n}{(D c^d k)^2}}$$