$$\hat{R}(\hat{h}) - R(\hat{h}) \leq \sup_{h \in \mathcal{H}} \hat{R}(h) - R(h)$$

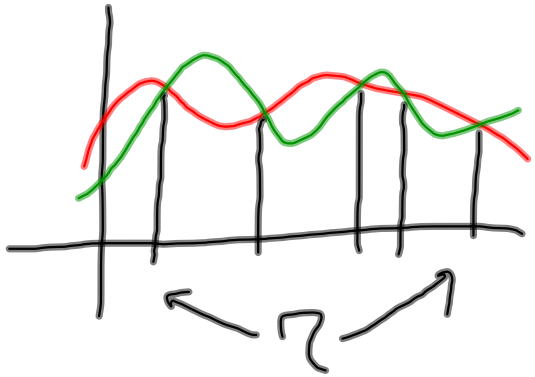
$h \in \mathcal{H}$

$$f(z) = \sum z_i$$

$$|f(z) - f(z')| = |z_i - z_i'|$$

$$-\frac{n\varepsilon^2}{2\sigma^2 + 2c\varepsilon/3}$$

$$-\frac{n\varepsilon^2}{2c^2}$$

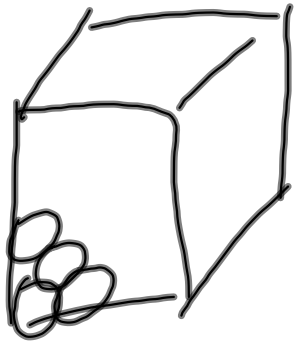


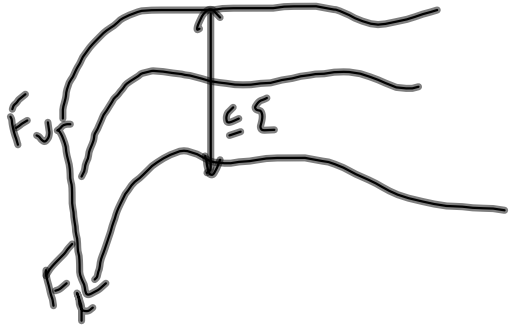
$$X_t = \hat{P}f = \frac{1}{n}\sum f(P_i)$$

$$\{X_t\}_{t \in T}$$

$$B_\varepsilon(t_i)$$

$$= \{t : d(t, t_i) < \varepsilon\}$$

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