

–Overv



- > Obtaining a central Optimiza
- > These con edge of t
- > We propo hypothesi
- Applied t UCB alg that of the
- Analysis kernel ca bounds,

-Proble

> Interactin

$$y_t = f^*(\boldsymbol{x}_t) + \varepsilon_t$$

 $oldsymbol{x}_t\in$ $\mathcal{X} \subset$ ε_t : σ^2

- > Find \hat{k} s.

$$\frac{|\nabla u + |\nabla u|}{|\nabla u + |\nabla u|} = \frac{|\nabla u|}{|\nabla u|$$

-Meta-

> Data from

$$y_{s,i} = f_s(\boldsymbol{x}_{s,i}) + \varepsilon_{s,i}$$

 $1 \leq i \leq$ $\varepsilon_{s,i}$: also $f_s:\mathcal{X}$.

> Assume

$$k^*(oldsymbol{x},oldsymbol{x}') = \sum_{j=1}^p \eta_j^* k_j(oldsymbol{x},oldsymbol{x}')$$

 η_j^* : unkn k_j : knov

 $p < \infty$



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