< Bias and Variance - Establishing a baseline level of performance>

- baseline level: What is the level of error you can reasonably hope to get to?

RRRRMMINIT

Establish ..

- · Human level performance: Measure how well humans can do on the task
- · Competing algorithms performance
- · Guess based on experience

with baseline level of performance, you can judge if your algorithm has high bias or variance

(high bias or variance의 独立 班拉拉丁()

Training enor is Validation enor it or the fixedotal high bias is high variance in Estate stark ex)

Basoline performance

Training error (J Hain)

: 10.6% ] 0.2% : 10.8% ] 4.0% : 14.8%

Cross validation emor (Jev)

Baseline performanceoil Training error is low

Varidation error is high

(relatively)

Judgement: "high variance"

Jtrain is high

15.6% \$ 4.4% \$ 4.4% \$ 15.6% \$ \$ 0.5% \$ 4.1%

"high bias"