Announcements

- Homework 6 has been posted
- Midterm exam is 4 weeks from today (Tues., Oct. 23)

Today's Lecture

- Midterm ground rules
- Implications in dataset methodology (part 2)
- Other error measures and target types
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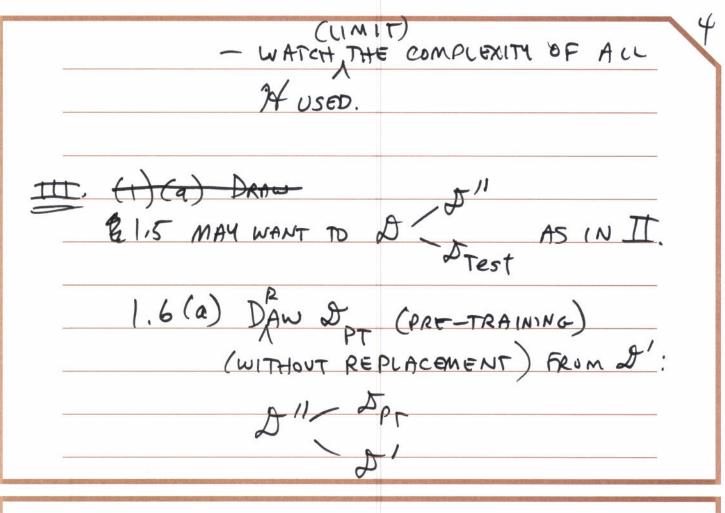
 Approximation-generalization tradeoff (part 1)

 Next

 Time
 - Bias Variance decomposition

IMPLICATIONS IN DATASET METHODOLOGY (part 2)
POSSIBLE ALTERNATE PROCEDURES:
from last time -
J. SAME AS I, EXCEPT: -> BEFORE STEP 2:
1.5 DIVIDE D
SET A ASIDE (NO ENGLI)
SET DTEST ASIDE (NO SNOOPING!) DELETE 7(a).

7. BEFORE COMPUTING ETEST (hg), APPLY
SAME PREPROC., FEAT. EXTR. AS WAS DONE
FOR FINAL SYSTEM ON &! CUSING ONLY
(MFORMATION FROM D'.)
POSSIBLE PITFALL: (EVALOR ETV) AVAL (OF FT) MIGHT NOT GENERALIZE
DVal (OF FT) MIGHT NOT GENERALIZE
to Eout.
- INCREASE NIF POSSIBLE
- MORE (CORRECTLY DONE) CROSS VAL.



(b) USE DOT TO WORL A DATA,
CONDUCT INITIAL TESTS, ETC.
(e.g., STEPS (2)-(5))
(c) DISCARD JOT. OF I.
(c) DISCARD JOT. OF I. (6) PROCEED WITH (6). Calready
removed Diest though).
6.5 DISCARD DA
(7) (a) - 15 VACID.

I. CONSTRUCT YOUR OWN METHOR, AS LONG AS
YOU DON'T VIOLATE ASSUMPTIONS FOR
GENERALIZATION ERROR THAT YOU
COMPUTE AND RELY UN.

