

Artificial Intelligence & Adversarial Machine Learning

(Assignment #5)

Gerry Vernon Dozier

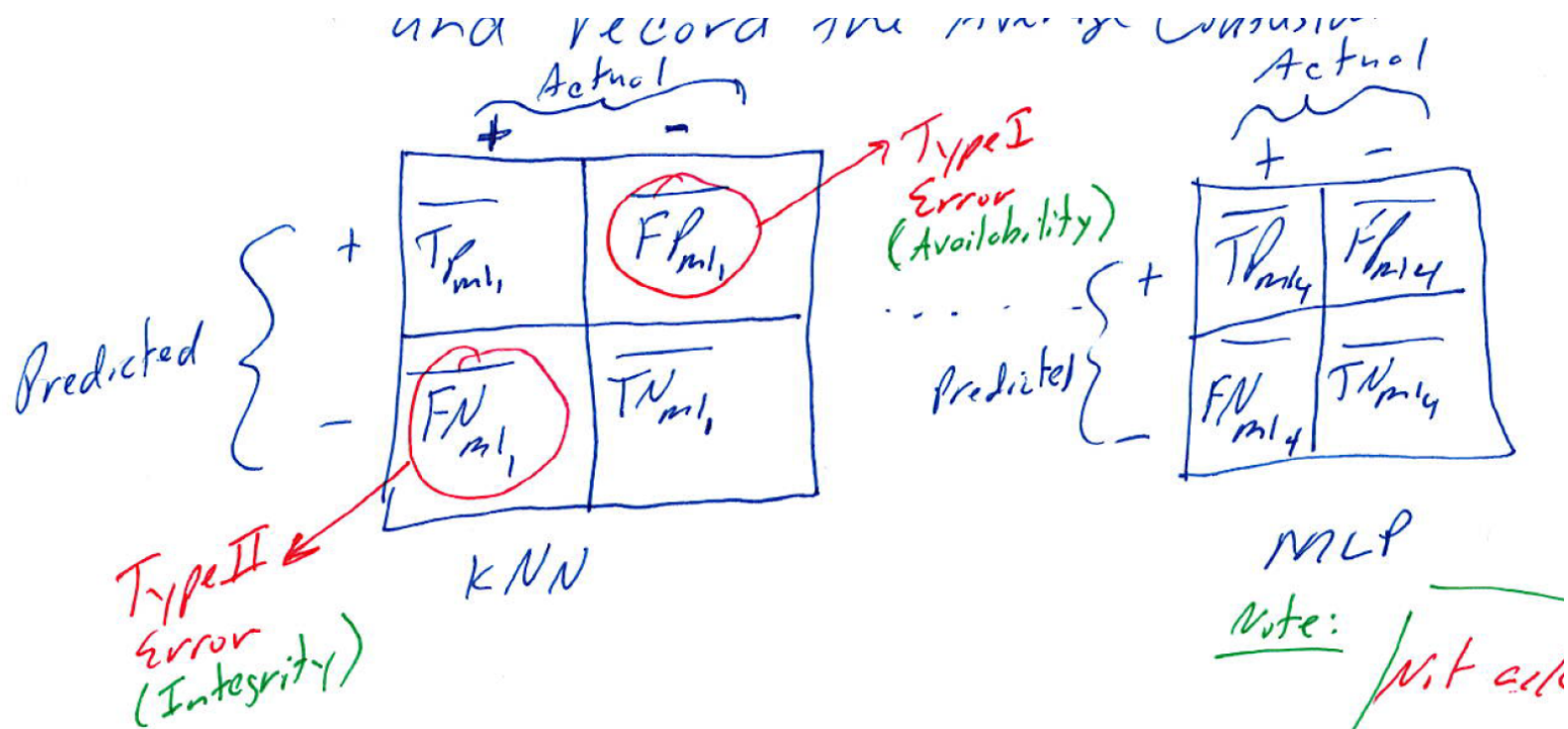
Department of Computer Science & Software Engineering

Auburn University

gvdozier@auburn.edu

Assignment #5

1. [50pts] Run each of your 4 baseline MLs for a total of 10 times and record the average confusion matrix for each of the four.



Assignment #5

2. [50pts] Digging deeper into each of the 4 baseline MLs (given the 10 runs done in Problem #1):
 - a. [25pts] Identify at least 3 instances of Type I and Type II errors (3 Type I Errors and 3 Type II Errors) for each of the 4 baseline MLs.
 - b. [25pts] Discover at least 3 instances of Type I and Type II errors that are problems for all 4 baseline MLs (3 Type I errors and 3 Type II errors that are universal errors across all 4 baseline MLs).

Assignment #5

(Overview)

Assignment #5 (cont.)

- The points for this assignment will be broken down as follows (Full credit requires a write-up for each):
 - Program/Demo 100pts
 - Problem #1 50pts
 - Problem #2 50pts



Have a
Great Day!!!