GAME THEORY: AN INTRODUCTION–ERRATA

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Please notify me at ebarron@luc.edu for any errors. These have been found so far.

(1) p. 12 Lemma 1.1.3, second line of proof should be

$$v^+ = \min_j \max_i a_{i,j} \leq \max_i a_{i,j^*} \leq a_{i^*,j^*} \leq \min_j a_{i^*,j} \leq \max_i \min_j a_{i,j} = v^-.$$

p. 12 in proof of Lemma 1.1.3,"Let i^* be such that . . . $j = 1, 2, m$. Should be: "Let j^* be such that $v^+ = \max_i a_{i,j^*}$ and i^* such that $v^- = \min_j a_{i^*,j}$. Then

$$a_{i^*,j} \geq v^- = v^+ \geq a_{i,j^*}, \text{ for any } i = 1, 2, , n, j = 1, 2, , m.$$

(2) p. 16, line 6, $v^+ = \min_{x \in C} \max_{y \in D} f(x, y)$, and $v^- = \max_{y \in D} \min_{x \in C} f(x, y)$, should be

$$v^+ = \min_{y \in D} \max_{x \in C} f(x, y), \text{ and } v^- = \max_{x \in C} \min_{y \in D} f(x, y).$$

(3) p. 22, The last line of the third paragraph "These probability vectors are called mixed strategies, and will turn out to be the class correct class of strategies for each of the players." should be "These probability vectors are called mixed strategies, and will turn out to be the correct class of strategies for each of the players."

(4) p. 47, Problem 1.29, part (a) should have $\min_j E(X, j) = -\frac{42}{9}$.

(5) p. 185, Problem 4.6 : Should be: Suppose that two firms have constant unit costs $c_1 = 2, c_2 = 1$, and $\Gamma = 19$ in the Stackelberg model.

(6) p. 75, Quotation added

(7) p. 111, line 7 from top E_2 should be E_{II}.

(8) p. 125, line 9 from bottom, $E(1, Y)$ should be $E_{\mathrm{I}}(1, Y)$.

(9) p. 145, line 5 from bottom, Y^*T should be Y^{*T}.

(10) p. 154, problem 3.23 has the answer fixed on p. 393: should have $f(x, y, p, q) = 7x + 7y - 6xy - 6 - p - q$, and $2 - x \leq q$ should be $2x - 1 \leq q$.

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(11) p. 221, Example 5.1(4): "but will take \$1 million …," should be "but will take \$100 million …."
(12) p. 241, Problem 5.10: $x - 2$ should be x_2.
(13) p. 246,

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x1+x2+x3=\frac{5}{2}
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should be $x1 + x2 + x3 = 5/2$.
(14) p. 400 Problem 5.13 should have $16 - x_1 - x_2$, not $16 - x_1 - x - 2$.
(15) p. 401 Problem 5.19 solution in (b) should have $x_4 = \frac{3}{2}$, not 32.

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