Errata Solution Manual to Accompany Game Theory: An Introduction, Second Edition

- 1. Page 3, Solution to Problem 1.6, the tree branch labeled Fire should have payoffs -1, 1, not -1,0.
- 2. Page 15, Problem 1.32(a), "probability" should be "expectation."
- 3. Page 24, Solution to Problem 1.44(b), 3000 should be replaced by 3500.
- 4. Page 31, Solution to Problem 2.11(d), "Then player I has row 2 dominated by row 1." not column 1.
- 5. Page 35, a_{12} in the second row of the matrix in Problem 2.19 should be a_{22} . In the solution to Problem 2.19(b) J_5 should be J_4 .
- 6. Page 50, Problem 2.36, line 4, instead of (0.9)(35) should be (0.1)(35).
- 7. Page 50, Problem 2.37, line -10, should have $X^* = (0.43, 0.086, 0.152, 0.326, 0, 0, 0)$. A period should be a comma after 0.086.
- 8. Page 55, Problem 2.42, line 8, should be (+1)(1/2)+(+1)(1/2)=1.
- 9. Page 57, Problem 2.44 (line -11 thru -13) should have $Y^*=(1/2,1/2)$, not $Y^*=(7/22,15/22)$.
- 10. Page 59, Problem 2.46(b), the 8/2 in the matrix should be 9/2 and the 11/2 in row 2 should be 9/2.
- 11. Page 60, Problem 2.46(c), line 6, $3-p \le 2+2p$ implies $p \ge 1/3$, not 1. All 4 lines intersect only if p=1.
- 12. Page 63, Solution to problem 2.56 should be False.
- 13. Page 68, Problem 3.6(b), line -10, k should be k+1.
- 14. Page 69, Problem 3.8(a), remove bar over 2 in entry 2,2.
- 15. Page 73, Problem 3.13 in BR for y, delete 0 in 0 2/9 when y=1.
- 16. Page 74, Problem 3.15(b), line -1, D_B should be D-B.
- 17. Page 101, Solution to Problem 4.1, line -1, should have "(0,3) is also a pure Nash Equilibrium."
- 18. Page 111, Solution to Problem 4.12(b), the -4,4 entry in 1K1A->2K->B should be 4,-4. All branches for player 2 with Fold should have 6/7 probability and all branches for player 2 with Bet should have 1/7 probability.
- 19. Page 132-133, Solution to Problem 5.6(c), line -1 on p.132, F(R) should be N F(R); page 133, line 5, formula for R^s should be (N-1)²; line 8, F(R^s) should be N F(R^s).
- 20. Page 146, Problem 5.21, line 9, ≤1,950,000 should be ≥1,950,000.
- 21. Page 148, Problem 5.22(b), line 8, (1,1) should be (1,0); line 9, x₀ ≤ y₀ should be x₀ + y₀ ≤1; line 11, "Find..." should be "If possible find..."; line-8, delete ½ before x y; u should be u₁ in this paragraph and on page 149. On Page 149, line 6, 0≤y≤½, should be ½ ≤y≤1. Add the sentence "Something is definitely wrong."; line -5, replace "The Nash equilibrium..." with "A pure Nash equilibrium does not exist."
- 22. Page 168, Problem 6.4(a), line 8, $x_2 + x_3 \le 0$, should be $x_2 + x_3 \ge 0$.
- 23. Page 172, Problem 6.12, line 9, 150,000 should be 150, and line 10, 138 should be 135.
- 24. Page 173, Problem 6.16, line-10, should be +.
- 25. Page 174, Problem 6.18, line 5, e(S,x) ≤0.

- 26. Page 179, Problem 6.27, line 13, ξ_3 should be x_3 .
- 27. Page 180, Problem 6.28, line 17, Case 13 should be Case 4; lines 21-23, y's should be x's.
- 28. Page 181, Problem 6.29, line 13, $105.5-\epsilon$ should be $105.5+\epsilon$; line 17, -70.75 should be -7.75; line 19, e(23,x)=65-72.75=-7.75
- 29. Page 188, Problem 6.38, fractions in bottom of the two tables giving the Shapley value should be switched.
- 30. Page 191, Problem 6.41(a), line 5, $x_2 \ge 0$ should be $x_3 \ge 0$.
- 31. Page 250, line -9, v(ik) should be dropped from the formula for x_i and -2 should be +2.