Errata *Game Theory: An Introduction*, Second Edition

For errors in the solution manual, see the Errata for the Solutions Manual.

I would like to thank Professors Peter Tingley and Piotr Frackiewicz for finding many of these errors.

1. Page 13, line -10, game floor should be *gain floor*.
2. Page 15, line 6, ....then I will play row 1.... (not player II).
3. Page 27, line -6, This proof is due to Y. Peres *Game Theory, Alive* with contributions by David B. Wilson
4. Page 28, line -11, This would be bad...; line -8, >= should be =.
5. Page 29, line -4, a y_j is missing in ∑ E(X,j) y_j
6. Page 34, line -7, Theorem 1.6 should be Theorem 1.3.8.
7. Page 40, line -3, me should be we.
8. Page 51, Problem 1.32 (a) “probability” should be replaced by “expectation”.
9. Page 53, line 3 of Definition 1.6.1, x_i in the summation should be x_i.
10. Page 56, Example 1.21 matrix, β should be –β.
11. Page 74, Solution to Problem 2.11(d), p.476, “Then player I has row 2 dominated by row 1.” not column 1.
12. Page 75, 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), p.478, J_5 should be J_a.
13. Page 96, Solution to Problem 2.37 ,p. 483, line 12, should have
X’=(0.43,0.086,0.152,0.326,0,0,0). A period should be a comma after 0.086.
14. Page 96, Problem 2.38, row 1 of matrix should have blitz BL, not italic.
15. Page 108, line -18, Problem 2.49, blank after “and” should be before “and.”
16. Page 126, line -4 ...that (assuming positive denominator)...
17. Page 127, line 1 in expression for x*, a_{-21} should be a_{21}; line -14,...slope R (assuming positive denominator)....
18. Page 131, line -5, knowing player I, should be knowing player II.
19. Page 135, line -4, after second equality x_n should be 1.
21. Page 161, lines 13 and 15, p_{21} should be p_{11} and p_{22} should be p_{12}.
22. Page 162, lines -6 and -7, the subscripts on B and P should be on the right side, not the left. For example B_1 P_1 =4/3 ≥ B_2 P_1 =4/3.
23. Page 163, line 17, 21/4 should be 16/3.
24. Page 164, lines -2 and -3 ≤ should be ≥.
25. Page 166, line -11 and -13, q’s should be p’s.
26. Page 167, Problem 3.43 last line: Show that P_5 gives...
27. Page 183, line 4, 35/36 should be 17/36 and 5/18 should be 4/9.
28. Page 189, Solution to Problem 4.1,p. 501 , should have (0,3) is also a pure Nash Equilibrium.
29. Page 207, line -12, I will always play D, not C.
30. Page 224, line 2, -α should be -4-α.
31. Page 227, line 4, $1/(N+1)$ should be $M/(N+1)$ and $1/(N(N+1))$ should be $M/(N(N+1))$.
32. Page 232, line -9, $X(x)$ should be $X'(x)$; line -8, $Y$ should be $Y'$.
33. Page 233, line 12, should be $t_2 \geq v/c$ and $t_2 \geq c$; line -7, $y$ in integral should be $t_2$.
34. Page 247, line 2, $q$' in $D'$ should be $2q$.
35. Page 265, line -2, lower limit 0 in the integral should be “a.”
36. Page 273, line -12, ≤ should be <.
37. Page 278, line -5, $\beta$ should be “b.”
39. Page 302, line -13, Figure 6.2 should be Figure 6.3.
40. Page 314, line 5, min max should have min max $e(S,x)$.
41. Page 329, line -5, drop $v(ik)$ from formula for $x_i$ and -2 should be +2.
42. Page 333, Solution to Problem 6.27, p. 527, line 12, $\xi_3$ should be $x_3$.
43. Page 334, Solution to Problem 6.29, p. 528, line 13, 105.5- should be 105.5+; line 16, -7.75 should be -7.75.
44. Page 356, line 20, “row 1’ should be row 2.
45. Page 363, Figure 6.15, $y=31/12$ should be $v=31/12$.
46. Page 367, -line 3, $X_t A Y_t$ should be $X_t A Y_t^T$.
47. Page 370, line 7, $y_i^T$ should be $y_i^T$.
48. Page 371, line 15, formula (6.7), $1/2$ multiplies entire expression starting with $b$.
49. Page 372, line -10, Example 6.19 should be Example 6.27 (Figure 6.19).
50. Page 396, line 14 and line 18, 1-p should be $p$ and $p$ should be 1-$p$.
51. Page 397, line 3, remove the comma between subscripts $j$ and $i^*$. 
52. Page 400, line 3 and line 11, $>$ for (1) of Definition 7.1.3 should be $\geq$.
53. Page 401, line 11, 7.3 should be 7.1.3; line 12, 7.4 should be 7.1.4.
54. Page 403, line -5, $u(x,0)=1-x$ not $x$.
55. Page 423, line -3, properties 7.9(3) should be properties 7.1.1(3).
56. Page 425, line -4, …negative and zero terms...; $k(1/2,0)=0$ analyzed has Jacobian at that point which is < 0, so (1/2,0) is unstable.
57. Page 426, line 2, the word “hence” should be removed, asymptotic stability does not necessarily imply ESS.
58. Page 427, Since $k(p_1,p_2)=0$ for all equilibrium points. we cannot use Theorem 7.2.3. We have to use eigenvalues of the Jacobian: For the equilibrium points (0,0), (1,0), and (0,1) the eigenvalues are (-1,1) and hence (0,0), (1,0) and (0,1) are unstable. For (1/3,1/3) the eigenvalues are both complex i(1/V3, -1/V3) with zero real part. This means that (1/3,1/3) is a center point and the plot shows it is unstable. Also, the determinant of the Jacobian is 1/3>0.
59. Page 428, Delete the first paragraph.