

Errata for Bounds of Reason
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I want to thank Dong Zhi-qiang, the translator of *Bounds of Reason* into Chinese, for pointing out some of these errors.

Page 14: Starting with the first full paragraph, replace text with

Our second condition is then the following, where we write $\pi|A = x$ to mean $\pi(\omega) = x$ for all $\omega \in A$ (i.e., $\pi|A = x$ means π is a lottery that pays x when A occurs).

A2. If $A \subseteq \Omega$ is not null, then for all $x, y \in X$, $\pi, \rho \in \mathcal{L}$, $\pi|A = x$ and $\rho|A = y$, then $\pi \succ_A \rho \Leftrightarrow x \succ y$.

Page 15: Replace A4 with:

A4. For any event A , if $x \succ \rho(\omega)$ for all $\omega \in A$, then $\pi|A = x$ implies $\pi \succ_A \rho$. Also, for any event A , if $\rho(\omega) \succ x$ for all $\omega \in A$, and $\pi|A = x$, then $\rho \succ_A \pi$.

Page 15: A5, last line: for $\omega \notin A_j$.

Page 32: Second line from bottom: $p_r = 0.4$.

Page 37: “the requirement that the column player’s two strategies be equal.”
Replace “be equal” with “have equal payoff”.

Page 37, last two lines: “UU” (twice) should be “U” only.

Page 39: “...that the birds cannot [know] which is player 1 and which is player 2.” Also, the entries in the matrix should be:

	<i>H</i>	<i>D</i>
<i>H</i>	z, z	$v, 0$
<i>D</i>	$0, v$	$v/2, v/2$

Page 40: $P = 1, R = 0$ – $P = 0, R = 1$.

Page 77: The denominator in the equation should have an x_i after the summation sign

Page 81: World Development Audit’s – World Democracy Audit’s

Page 84: Partition is defined in section 1.5, not 1.6.

Page 86: Third from last sentence: K_i \rightarrow BK_A

Page 87: First line of paragraph 3: E_i^V should be E_j^V .

Page 89: "Suppose apply the iterated elimination" This should be "Suppose we apply the iterated".

Page 90: "Since Violetta is rational, she eliminates og, after which go is weakly dominated by gg, so Violetta eliminates these two strategies." Here, "og" should be "oo". Moreover, "these two strategies" sounds as if referring to go and gg and should be reformulated.

Page 95: the payoff function should be "each player gets a payoff of 100 minus the distance of his choice to $2k/3$ ".

Page 96: "actually play 2,2" \rightarrow "actually play s_2, s_2 "

Page 96: "a bit so that 2,2" \rightarrow "a bit so that s_2, s_2 "

Page 96, a.: "Show that for any $n > 4$, s_n is strongly dominated by a mixed strategy σ_{n-1} using only s_2, \dots, s_{n-1} ."

Page 105: v_B should be v_2 .

Page 121: "except in a large" \rightarrow "in a large"

Page 131: Third line: $\epsilon/6$ should be $\epsilon/2$.

Page 150: Sixth line: P_1^* should be $P_1^* \omega$.

Page 150: Seventh line: P_1^* should be $P_1^* \omega$.

Page 160: Line 11: should be $i \neq j$.

Page 172: Eight line from bottom: should be “she will play A and the outcome will be the non-Nash equilibrium $Ad\lambda$ ”

Page 174: Line 9: should be “over v_r is approximately $1/3$ ”

Index: Sometimes page numbers are off by one page.