Typos in "Essentials of Stochastic Processes" by R. Durrett

(Page numbers are on the left; the arrows $A \to B$ means that B should replace A.)

vi Family Update: out → our
vii 3. Poisson Process: Compund → Compound
16 Solution to Ex 2.11 : "we must have $V \leq 1$, so that $U \geq x - 1$". Also, the lower limit on the integral is $x - 1$ instead of $1 - x$.
24 $Z \to X$ in the last display.
41, line 2: properly → property
44 Not all the arrows in the diagram are correct.
45 Line 13. (3.3) → (3.4).
45 proof of theorem: $x \to y, y \not\to x$
47 proof of Lemma 3.9: $\rho_{xy}^{k-1} \to \rho_{yy}^{k-1}$
48 Here N_y is used for $N(y)$.
50, Exercise 4.1: $i, j \to i + j$.
50, line 6. $i \to x$.
52 225→ 210
53, line 3. $I_x \to I_y$.
53 Ex 4.6: go to the left from 1 → go to the left from 0
53 definition of stationary dist: add in the fact that it sums to 1. Also, n means different things in $p^n(x, y)$ and in $1 \times n$ matrix.
55 very top: 4.4 → 4.5
58 very top: always start with day → always start every day
58, line after the first matrix: states 2,3,4 should be 1,2,3.
59 $I_n = 2$ and $D_n = 3$ in line 4 are not defined here. Actually, $I_n = X_n$ is the chain (I stands for inventory) and D was defined on page 32 (D stands for demand).
60 Example 5.2: For a new of example → For a new example
60 Exercise 5.1: even → odd
61 top: lim should be in Roman
62, diagram: the probabilities are not right.
63, (5.5): $c \to \pi(l)$.
64 Example 5.5: Denominator of $\pi(3)$ should be 116, not 176
66 Ex 6.1: win with \$1 → win \$1 with
67 Solution to Ex 6.2: 6.2 → 6.1
67 Middle: (6.1) → (*)
68 Statement of Ex 6.3: 20/18 → 20/38. Also, .005127 → .005128.
71 top and 86 middle: Do not need aperiodicity here.
72 Back to TT: it take longer → it takes longer

73 end of Ex 6.8: are TH... are TT → are TT... are TH
73 Third line of Example 7.1. $p \to 1-p$.
73 Bottom line: $i+1 \to i$ in one place.
74 I. When $p < 1/2$: One the other hand → On the other hand
77 Ex 7.2: there were are → there we are
79 Proof: 7.8 → 7.6
85 Theorem 4.7: remove comma after S, or add one before S.
86 Theorem 7.2: remove "then"
90 Ex. 9.9 spelling: "likley"
91 9.12b: stationary distribution of p or p^2? (One might as well compute both.)
95 Exercise 34. "if we each time" should be fixed. Also $n \to N$.
97 Problem 9.41. The " after $\frac{2}{3}$ is misplaced.
97 Problem 9.42. Example 6.2 → Example 6.3.
98 Problem 9.49. The probabilities do not add up to 1.
98 Problem 9.51. Assume infinitely many p_i's are > 0. Also, there is a typo in "probability".
130, top display: Some n's should be $n+1$'s, etc.
130, Definition: of → be
130, diagram: $S \to s$
130 3 lines from the bottom: $s < T_{n-1} \to s < T_{n+1}$
132 line 6: fourth → fifth
135, middle: (i) is a very strong assumption...
153 7.13: The problem has an (a) but no (b).
153 7.16(b): Unclear wording.
154 7.21: $\frac{2}{3}$ of a vehicle... Also passes in an hour?
163, top line: $P_1(T_\infty < \infty) = 1$.
167, line 3: $t - s \to t + s$.
168 display 2.9. The binomial coefficient should be $\binom{j-1}{j-i}$. In the proof, $n_k \geq 0$ should be $n_k \geq 1$.
200 bottom line: $p_{i,j}(t) \to p_t(i,j)$ Same comment about the answer on page 276.
201 8.5: .... sales may reduce the inventory to 0....
273 1.25: Ans. $= 2/n$ (By the way this page is unnumbered)
273 2.17: $m \to n-2$; also reverse the roles of p and $1-p$.
274 9.7: 5 is not recurrent
274 9.9a: J, T, and H → J, T, and M
275 9.33b: 13.7 → 14.7
275 7.15(b): There is a missing $\frac{1}{8}$.