

# Corrigenda

This document contains corrigenda for my book, *Computational Models of Reading: A Handbook* (Reichle, 2021, Oxford University Press). I've also included a few notes to clarify parts of the book that might otherwise be ambiguous or difficult to understand.

## Chapter 1: Introduction

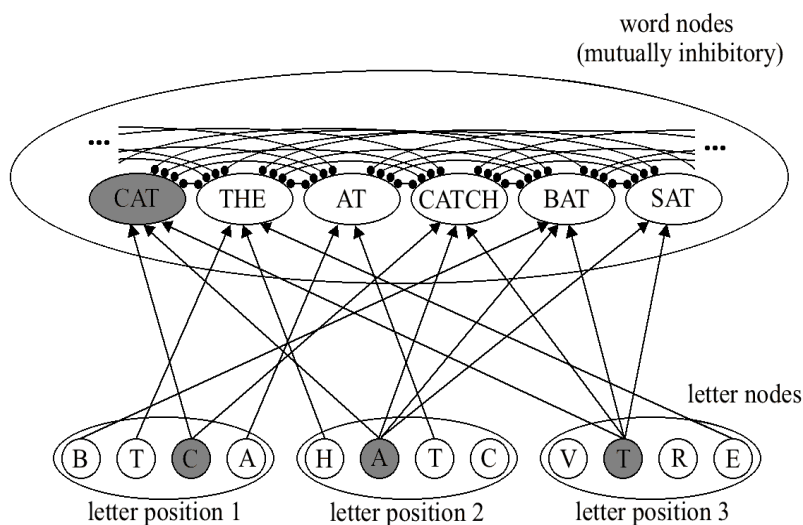
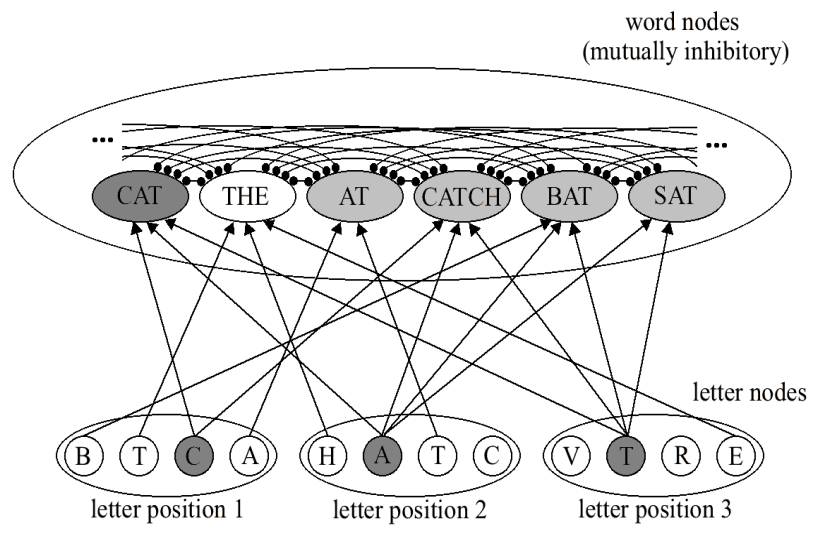
1. p. 7, paragraph 2, line 8: "...each support a..." should read "...each supporting a..."

## Chapter 2: Formal Models

1. p. 35, paragraph 1, line 26: "...right to left..." should be "...left to right..."

## Chapter 3: Models of Word Identification

1. p. 103, Figure 3.7: This diagram of the interactive-action model is suboptimal because its caption does not indicate that the depicted feature and letter nodes only correspond to the first letter position. The figure below (from Reichle & Schotter, 2020, *Proceedings of the Cognitive Science Society*, pp. 164-170) is better; although it doesn't show the feature nodes, it does illustrate how letter nodes are grouped by letter position, and how, across time, the most active word node, corresponding to "cat," suppresses the other, partially active word nodes.



2. p. 183, Table 3.3: The title of the table should read "...and the "Benchmark" Findings..." Also, in the first row of the second column, "superiority" should be indented (as is "composition" further down in the column).

#### **Chapter 4: Models of Sentence Processing**

1. p. 248, paragraph 2, line7: There is a stray period after "Tabor and colleagues."
2. p. 269, Table 4.4, row 2: "Pre-dictions" → "Predictions"

#### **Chapter 5: Models of Discourse Representation**

N/A

#### **Chapter 6: Models of the Reading Architecture**

1. p. 387, Figure 6.4B: The bottom row of arrows corresponding to the sequence of processes associated with word<sub>n+2</sub> should be labelled "move eyes to word<sub>n+3</sub>."
2. p. 437, paragraph 3, lines 5-6: "...fare less..." should be "...fare less well..."

#### **Chapter 7: Synthesis**

1. p. 453: The Table 7.1 The heading should read: "Computational Models of Reading (Arranged Chronologically and..."
2. p. 461, Equation 7.1: The description around this equation and what  $j$  indexes is ambiguous. As implemented,  $j$  is the index of orthographic features (as indicated at the bottom of p. 460) and not the full set of all lexical features (as suggested on p. 461). Both implementations give nearly identical model performance because only the value of  $N_r$  (i.e., the number of non-zero features in the probe or memory trace) changes. But the latter implementation would likely necessitate different values of the lexical-processing parameters because Equation 7.1 would (on average) yield smaller *similarity<sub>i</sub>* values.
3. p. 461, 4 lines above Equation 7.2: "...can be positive or negative..." should read "...can be even or odd..."

#### **Appendix A**

N/A

#### **Appendix B**

p. 522, paragraph 1, lines 5-6: " $A_j(t)$ " should be " $A_i(t)$ " and " $A_j(t-1)$ " should be " $A_i(t-1)$ ." (In other words, the subscript  $j$  should be  $i$  in both instances.)

#### **Appendix C**

N/A

#### **Appendix D**

N/A