

Series Editor
Patrick Paroubek

Natural Language Processing and Computational Linguistics 1

Speech, Morphology and Syntax

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Errata

ISTE

WILEY

p.226, Figure 4.87 should be replaced with:

S	→ NP VP	0.7
S	→ VP	0.3
NP	→ Det N	0.27
NP	→ PN	0.63
NP	→ Pron	0.1
VP	→ V Adj	0.5
VP	→ V	0.3
VP	→ NP V	0.2
Det	→ mon (my)	0.45
Det	→ le (the)	0.55
NP	→ Jean (John)	1.0
V	→ livre (delivers)	0.1
V	→ aime (likes)	0.3
V	→ est (is)	0.5
V	→ court (runs)	0.1
N	→ livre (book)	0.35
N	→ cahier (notebook)	0.40
N	→ programme (program)	0.25
Adj	→ intéressant (interesting)	0.6
Adj	→ cher (expensive)	0.4
Pron	→ le (it + masc)	0.3
Pron	→ la (it + fem)	0.3
Pron	→ les (it + plur)	0.4

p.226: $\pi(v \rightarrow \text{descends})$ should be replaced with $\pi(v \rightarrow \text{runs})$.

p.227: in Figure 4.88 book should be replaced with notebook.

p.229: algorithm such as A* should be replaced with algorithms such as A*.

p.230: we add the two possible rules in the grammar: $\text{Det} \rightarrow \text{the}$ 0.55 and $\text{Pron} \rightarrow \text{the}$ 0.3. should be replaced with we add the two possible rules in the grammar: $\text{Det} \rightarrow \text{le}$ 0.55 and $\text{Pron} \rightarrow \text{le}$ 0.3.

p.230: as follows: $\pi(\text{NP} \rightarrow \text{Pron}) * \pi(\text{Pron} \rightarrow \text{the}) = 0.1 * 0.3 = 0.03$. should be replaced with as follows: $\pi(\text{NP} \rightarrow \text{Pron}) * \pi(\text{Pron} \rightarrow \text{le}) = 0.1 * 0.3 = 0.03$.

p.230: whose probability is calculated in the following manner: $\pi(S \rightarrow \text{NP VP}) \pi(\text{NP} \rightarrow \text{Pron}) \pi(\text{VP} \rightarrow \text{V}) = 0.7 * 0.0006 * 0.051 = 0.000021$. should be replaced with whose probability is calculated in the following manner: $\pi(S \rightarrow \text{NP VP}) \pi(\text{NP} \rightarrow \text{Pron}) \pi(\text{VP} \rightarrow \text{V}) = 0.7 * 0.03 * 0.03 = 0.00062$.

p.230: Figure 4.91 should be replaced with:

Le	livre	est	intéressant
Det \rightarrow le 0.55 Pron \rightarrow le 0.3 NP \rightarrow Pron 0.03 [0,1]	[0,2]	[0,3]	[0,4]
	N \rightarrow livre 0.35 V \rightarrow livre 0.1 VP \rightarrow V 0.03 S \rightarrow VP 0.009 [1,2]	[1,3]	[1,4]
		V \rightarrow est 0.5 VP \rightarrow V 0.15 S \rightarrow VP 0.045 [2,3]	[2,4]
			Adj \rightarrow intéressant 0.6 [3,4]

p.231: Figure 4.92 should be replaced with:

Le	livre	est	intéressant
Det → le 0.55 Pron → le 0.3 NP → Pron 0.03 [0,1]	NP → Det N 0.051 VP → NP V 0.0006 S → NP VP 0.0006 [0,2]	[0,3]	[0,4]
	N → livre 0.35 V → livre 0.1 VP → V 0.03 S → VP 0.009 [1,2]	[1,3]	[1,4]
		V → est 0.5 VP → V 0.15 S → VP 0.045 [2,3]	VP → V Adj 0.15 S → VP 0.045 [2,4]
			Adj → intéressant 0.6 [3,4]

p.231: Figure 4.93 should be replaced with:

Le	livre	est	intéressant
Det → le 0.55 Pron → le 0.3 NP → Pron 0.03 [0,1]	NP → Det N 0.051 VP → NP V 0.0006 S → NP VP 0.0006 [0,2]	S → NP VP 0.005 [0,3]	 [0,4]
	N → livre 0.35 V → livre 0.1 VP → V 0.03 S → VP 0.009 [1,2]	 [1,3]	 [1,4]
		V → est 0.5 VP → V 0.15 S → VP 0.045 [2,3]	VP → V Adj 0.15 S → VP 0.045 [2,4]
			Adj → intéressant 0.6 [3,4]

p.232: Figure 4.94 should be replaced with:

Le	livre	est	intéressant
Det → le 0.55 Pron → le 0.3 NF → Pron 0.03 [0,1]	NP → Det N 0.051 VP → NP V 0.0006 S → NP VP 0.0006 [0,2]	 S → NP VP 0.005 [0,3]	 S → NP VP 0.005 [0,4]
	N → livre 0.35 V → livre 0.1 VP → V 0.03 S → VP 0.009 [1,2]	 [1,3]	 [1,4]
		V → est 0.5 VP → V 0.15 S → VP 0.045 [2,3]	VP → V Adj 0.15 S → VP 0.045 [2,4]
			Adj → intéressant 0.6 [3,4]