

# The Acquisition of French

The development of inflectional morphology  
and syntax in L1 acquisition, bilingualism,  
and L2 acquisition

Monographs on the Acquisition  
of Specific Languages 2

Philippe Prévost

*John Benjamins Publishing Company*

# The Acquisition of French

The development of inflectional morphology  
and syntax in L1 acquisition, bilingualism,  
and L2 acquisition

Philippe Prévost

François-Rabelais University, Tours



John Benjamins Publishing Company

Amsterdam / Philadelphia



™ The paper used in this publication meets the minimum requirements of American National Standard for Information Sciences – Permanence of Paper for Printed Library Materials, ANSI Z39.48-1984.

#### **Library of Congress Cataloging-in-Publication Data**

Prévost, Philippe, 1966-

The acquisition of French : the development of inflectional morphology and syntax in  
L1 acquisition, bilingualism, and L2 acquisition / Philippe Prévost.

p. cm. (Language Acquisition and Language Disorders, ISSN 0925-0123 ; v. 51)

Includes bibliographical references and index.

1. Language acquisition. 2. French language--Acquisition. 3. Second language acquisition. 4. Bilingualism in children. I. Title.

P118.P663 2009

445--dc22

2009033054

ISBN 978 90 272 5312 5 (Hb ; alk. paper)

ISBN 978 90 272 8885 1 (Eb)

© 2009 – John Benjamins B.V.

No part of this book may be reproduced in any form, by print, photoprint, microfilm, or any other means, without written permission from the publisher.

John Benjamins Publishing Co. · P.O. Box 36224 · 1020 ME Amsterdam · The Netherlands  
John Benjamins North America · P.O. Box 27519 · Philadelphia PA 19118-0519 · USA

## The Acquisition of French

# *Language Acquisition and Language Disorders* (LALD)

Volumes in this series provide a forum for research contributing to theories of language acquisition (first and second, child and adult), language learnability, language attrition and language disorders.

## **Series Editors**

**Harald Clahsen**  
University of Essex

**Lydia White**  
McGill University

## **Editorial Board**

**Melissa F. Bowerman**  
Max Planck Institut für Psycholinguistik,  
Nijmegen

**Katherine Demuth**  
Brown University

**Wolfgang U. Dressler**  
Universität Wien

**Nina Hyams**  
University of California at Los Angeles

**Jürgen M. Meisel**  
Universität Hamburg

**William O'Grady**  
University of Hawaii

**Mabel Rice**  
University of Kansas

**Luigi Rizzi**  
University of Siena

**Bonnie D. Schwartz**  
University of Hawaii at Manoa

**Antonella Sorace**  
University of Edinburgh

**Karin Stromswold**  
Rutgers University

**Jürgen Weissenborn**  
Universität Potsdam

**Frank Wijnen**  
Utrecht University

## **Volume 51** (Monographs on the Acquisition of Specific Languages 2)

**The Acquisition of French. The development of inflectional morphology and syntax in L1 acquisition, bilingualism, and L2 acquisition**  
by Philippe Prévost

## Preface

The main objective of this book is to describe linguistic knowledge developed by learners of French in different learning situations: first language (L1) acquisition, second language acquisition (SLA), bilingualism, and L1 acquisition by children suffering from Specific Language Impairment (SLI). This knowledge will be discussed using the theoretical tools of generative grammar, drawing on its various developments since the 1980s, including Principles and Parameters (P&P) (Chomsky 1986) and the Minimalist Program (Chomsky 1995, 2000, 2001, 2002). In turn, I hope to demonstrate how data on the acquisition of French can advance our understanding of the nature of linguistic knowledge. For instance, we will see how such data can be used to confirm or disconfirm particular hypotheses about language acquisition that have been proposed in the various learning situations explored in this volume. In addition, numerous comparisons with acquisition data from other languages will be drawn throughout this book, so as to better evaluate the scope of the findings that have been reported on the acquisition of French.

Another objective of this book is to compare the acquisition process across the various learning situations. Acquisition researchers (of necessity) work mainly within their own field of investigation, only occasionally drawing comparisons with other acquisition domains. The advantage of this book is the possibility for systematic review and comparison of studies across different fields. For instance, researchers in L2 French and in the acquisition of L1 French by monolinguals, bilinguals, and children with SLI have been investigating the status and role in developing systems of the functional categories that underlie grammatical notions such as tense, agreement, Case, and definiteness. They also have recently been investigating the issue of variability, particularly with respect to inflectional morphology. The time is now ripe to take a step back and look at the whole spectrum of reported results, in the hope of better understanding general as well as specific properties of language acquisition. As research in different domains has expanded in the last few years, new types of comparisons have become possible, such as between the experience of adult L2 learners and L1 acquisition by children with SLI. With this book, I hope to strengthen such comparisons.

While French has received considerable attention in acquisition studies, it has not been thoroughly investigated in all learning contexts. For instance, while verb placement has been investigated in detail, noun placement (with respect to adjectives, for example) has received much less attention. Similarly, the development of embedded clauses and question formation has been studied in L1 acquisition, but has largely been ignored in L2 acquisition. Another objective of this book is therefore to identify areas

underrepresented in existing research on the acquisition of French and to propose new avenues of investigation.

The volume is divided into four parts, each focusing on one domain of acquisition: (1) the verbal domain (with focus on inflectional morphology and verb placement in main declaratives); (2) the pronominal domain (with focus on both overt and null subject and object pronouns); (3) the nominal domain (with focus on determiners, gender, number and noun placement with respect to adjectives); (4) the CP domain (with focus on question formation, embedded clauses and relative clauses). This division is simply an organizational device and is not meant to imply that the different domains should be kept separate, an impossibility in any case since the acquisition of particular properties ranges over several domains. For example, it is impossible to talk about verbal morphology in French (see Part I) without discussing subject pronouns, which are viewed by some linguists as inflectional markers (see Part II). Therefore, numerous cross-referencing remarks are made throughout the book. Acquisition facts in different domains are also compared. For example, the various acquisition chapters of Part III compare results on the verbal and nominal domains, since proposals have been made that relate the development of the functional categories *Infl* and *Det*.

Each part contains four chapters. The first chapter presents the facts of French that are relevant to the domain under discussion, and the various theoretical accounts provided to explain them, as background information for the subsequent acquisition chapters. These chapters should be viewed as an overview of the basic facts and theoretical analyses of particular properties of French, not as a thorough investigation; properties that are not covered in the subsequent acquisition chapters will not be discussed. The subsequent chapters in each part address child L1 French, the acquisition of French by children in a bilingual setting and by children with SLI, and the acquisition of L2 French. Bilingualism and acquisition by children with SLI are grouped into one chapter for both theoretical and practical reasons: they are both subcases of L1 acquisition, and they have attracted the attention of fewer researchers, in comparison to L1 and L2 French, so there are fewer data on which to report than in the two other learning contexts.

Linguistic properties of French that have been investigated in each of the four learning contexts were given priority, so as to facilitate comparisons. This is particularly the case in the verbal and pronominal domains. In some cases, however, some properties were included that have significant implications for theory but have only been investigated in a subset of learning contexts, such as the binding properties of pronouns (which have not been examined in L2 French), or the constraints on *wh*-movement (which have mainly been explored in TD monolinguals). Within each chapters, the facts are presented first and their theoretical implications second, under the assumption that it is easier to understand the theoretical implication of learners'

behaviour once the details of that behaviour are known. Incidentally, this organization makes the volume easily usable for those who are only interested in the results of the studies presented.

Some linguistic properties are not discussed at all, simply because of lack of acquisition data. This particularly applies to French phonology, as the investigation of the phonology of French within the generative program is relatively new in some of the learning situations considered in this book. A substantial comparison of phonological development in the different acquisition contexts considered will hopefully be possible in the near future.

Writing this book has been a rather long process mainly due to too many other commitments. I should thank several people for their patience, including Harald Clahsen, Lydia White, and Kees Vaes. Many thanks also to Harald, Lydia, and an anonymous reviewer for their fruitful comments on previous versions of this book. This volume is dedicated to all the people with whom I discussed its content across the four acquisition contexts over the years and who never ceased to encourage me. I know that many of them have been waiting for the final product; there it is! Special thanks to Silvina Montrul, who wrote a similar volume on the acquisition of Spanish, for her support. This book could not have been the same without the wonderful editing skills of Jennifer Ormston. Her advice far extended beyond style, grammar, and typos, and she deserves my warmest gratitude. Finally, many thanks to Bill, Nicola, Phil, and Verena, who despite their many ironic inquiries as to whether the book would ever come out, never really stopped believing that one day it would (I hope!).



# Abbreviations

|        |   |         |  |
|--------|---|---------|--|
| ACC    | accusative                                      | FQ      | floating quantifier                      |
| Adj    | adjective                                       | FUT     | future                                   |
| AdjP   | Adjective Phrase                                | I(nfl)  | Inflection<br>(as a functional category) |
| Adv    | Adverb  | I(nfl)P | Inflection Phrase                        |
| agr    | Agreement<br>(as a functional category)         | IL      | interlanguage                            |
| agRO   | Object Agreement<br>(as a functional category)  | INF     | infinitival                              |
| agRP   | Agreement Phrase                                | L1      | first language                           |
| agRS   | Subject Agreement<br>(as a functional category) | L2      | second language                          |
| ATOM   | Agreement or Tense<br>Omission Model            | L3      | third language                           |
| AUX    | auxiliary                                       | MA      | Moroccan Arabic                          |
| AUXP   | Auxiliary Phrase                                | MASC    | masculine                                |
| c(omp) | Complementizer                                  | MDG     | Minimal Default Grammar                  |
| CCH    | Computational<br>Complexity Hypothesis          | MLU     | Mean Length of Utterance                 |
| cl     | clitic  | MOD     | modal verb                               |
| CM     | code mixing                                     | N       | Noun                                     |
| COND   | conditional                                     | nc      | null constant                            |
| CP     | Complementizer Phrase                           | NEG     | Negative particle                        |
| CS     | code switching                                  | neg     | Negation<br>(as a functional category)   |
| D      | Determiner<br>(as a functional category)        | negP    | Negation phrase                          |
| DAT    | dative  | NMP     | Nominal Mapping Parameter                |
| DM     | Distributed Morphology                          | NOM     | nominative                               |
| DP     | Determiner Phrase                               | NP      | Noun Phrase                              |
| ec     | empty category                                  | NUM     | Number                                   |
| F      | Finite (as a functional category)               | NUMP    | Number phrase                            |
| FC     | functional category                             | OI      | optional infinitive                      |
| FEM    | feminine  | P(rep)  | Preposition                              |
| FIN    | Finite  | ph      | placeholder                              |
| FP     | Finite Phrase                                   | PL      | plural                                   |
|        |   | POSS    | possessor                                |
|        |   | POSSP   | Possessive Phrase                        |
|        |   | PP      | Prepositional Phrase                     |
|        |   | PTP     | present participle                       |

|      |                                 |     |                            |
|------|---------------------------------|-----|----------------------------|
| PTP  | past participle                 | STR | strong pronoun             |
| PLU  | Predominant Length of Utterance | T   | Tense                      |
| Q    | Question marker                 |     | (as a functional category) |
| QP   | Quantifier Phrase               | t   | trace                      |
| RC   | relative clause                 | TD  | typically developing       |
| rec  | recording                       | TNS | tense (as a feature)       |
| refl | reflexive                       | TP  | Tense Phrase               |
| RI   | root infinitive                 | UCC | Unique Checking Constraint |
| S    | subject                         | UG  | Universal Grammar          |
| SG   | singular                        | V   | Verb                       |
| SLA  | second language acquisition     | V2  | verb second                |
| SLI  | Specific Linguistic Impairment  | V3  | verb third                 |
| SM   | sentence matching               | VP  | Verb phrase                |
| Spec | specifier                       | WM  | working memory             |

# Table of contents

|  |     |
|--|-----|
| Preface  | xv  |
| Abbreviations  | xix |
| Introduction   | 1   |
| <b>PART I. The verbal domain</b>   |     |
| CHAPTER 1  |     |
| The verbal domain: Syntactic assumptions   | 17  |
| 1.1 Verbal morphology  | 17  |
| 1.2 Verb placement   | 20  |
| 1.3 Questions for acquisition  | 24  |
| CHAPTER 2  |     |
| The verbal domain in child L1 French   | 27  |
| 2.1 Inflectional morphology in child L1 French                                     | 27  |
| 2.1.1 The first finite verbs in child L1 French                                    | 27  |
| 2.1.2 Root infinitives in child L1 French  | 30  |
| 2.1.3 Development of tense in child L1 French                                      | 33  |
| 2.1.4 Development of regular vs. irregular morphology<br>in child L1 French        | 34  |
| 2.2 Functional categories in child L1 French                                       | 35  |
| 2.2.1 Underspecification of Tense values   | 38  |
| 2.2.2 Underspecification of Agreement  | 39  |
| 2.2.3 Underspecification of Number   | 41  |
| 2.2.4 The Unique Checking Constraint (UCC)   | 42  |
| 2.2.5 Truncation   | 43  |
| 2.2.6 Computational limitations  | 44  |
| 2.3 Knowledge of verb movement in child L1 French                                  | 46  |
| 2.3.1 Development of verb placement with respect to negation<br>in child L1 French | 46  |
| 2.3.2 Postverbal subjects in child L1 French                                       | 50  |
| 2.4 Conclusion   | 53  |

CHAPTER 3

**The verbal domain in French bilingual acquisition  
and in children with SLI learning French** 55

- 3.1 The verbal domain in French bilingual acquisition 55
  - 3.1.1 Inflectional morphology in French bilingual acquisition 55
    - 3.1.1.1 Development of finite morphology in French  
bilingual acquisition 55
    - 3.1.1.2 Root infinitives in French bilingual acquisition 58
    - 3.1.1.3 Knowledge of tense and agreement in French  
bilingual acquisition 59
  - 3.1.2 The acquisition of verb movement by French bilinguals 62
  - 3.1.3 Conclusion 63
- 3.2 The verbal domain in acquisition of French by children with SLI 65
  - 3.2.1 Development of inflectional morphology  
in children with SLI learning French 65
    - 3.2.1.1 Development of finite inflection in children  
with SLI learning French 65
    - 3.2.1.2 Root infinitives in acquisition of French  
by children with SLI 72
  - 3.2.2 Grammatical knowledge of French in children with SLI 73
  - 3.2.3 Conclusion 76

CHAPTER 4

**The verbal domain in French L2 acquisition** 77

- 4.1 The verbal domain in child L2 acquisition of French 77
  - 4.1.1 Inflectional morphology in child L2 French 77
    - 4.1.1.1 Development of finite inflection  
in child L2 French 77
    - 4.1.1.2 Root infinitives in child L2 French 80
    - 4.1.1.3 Finite forms in nonfinite positions  
in child L2 French 81
  - 4.1.2 Development of verb placement in child L2 French 82
  - 4.1.3 The content of child interlanguage  
grammars of French 84
- 4.2 The verbal domain in adult L2 acquisition of French 85
  - 4.2.1 Inflectional morphology in adult L2 French 86
    - 4.2.1.1 Development of finite inflection in adult L2 French 86
    - 4.2.1.2 Root infinitives in adult L2 French 89
    - 4.2.1.3 Incidence of finite forms in nonfinite positions  
in adult L2 French 92
    - 4.2.1.4 Theoretical analyses 94

|   |  |            |
|---|--|------------|
| 4.2.2                                       | Acquisition of verb placement by adult L2 learners of French   | 100        |
| 4.2.2.1                                     | Production data  | 100        |
| 4.2.2.2                                     | Experimental data  | 101        |
| 4.2.2.3                                     | Theoretical accounts   | 107        |
| 4.2.2.4                                     | Methodological considerations                                  | 110        |
| 4.3   | Conclusion   | 111        |
| <b>PART II. Subject and object pronouns</b> |  |            |
| <b>CHAPTER 5</b>                            |  |            |
|   | <b>Subject and object pronouns: Morphosyntactic background</b> | <b>115</b> |
| 5.1   | French pronouns: Types and formal representations              | 115        |
| 5.1.1                                       | French pronouns and their distributional properties            | 115        |
| 5.1.2                                       | Formal accounts of pronouns                                    | 119        |
| 5.1.2.1                                     | The cliticization approach                                     | 120        |
| 5.1.2.2                                     | The affix approach   | 121        |
| 5.1.2.3                                     | Alternative accounts   | 124        |
| 5.2   | Binding properties of French pronouns                          | 125        |
| 5.3   | Questions for acquisition                                      | 128        |
| <b>CHAPTER 6</b>                            |  |            |
|   | <b>Subject and object pronouns in child L1 French</b>          | <b>131</b> |
| 6.1   | Overt pronouns in child L1 French                              | 131        |
| 6.1.1                                       | Development of subject clitics in child L1 French              | 131        |
| 6.1.1.1                                     | General development of subject clitics<br>in child L1 French   | 131        |
| 6.1.1.2                                     | Detailed development of subject clitics<br>in child L1 French  | 135        |
| 6.1.1.3                                     | Distribution of clitic subjects in child L1 French             | 136        |
| 6.1.2                                       | Development of accusative clitics in child L1 French           | 140        |
| 6.1.3                                       | Development of reflexive clitics in child L1 French            | 143        |
| 6.1.4                                       | Production vs. comprehension                                   | 145        |
| 6.1.5                                       | Theoretical implications                                       | 147        |
| 6.2   | Null arguments in child L1 French                              | 150        |
| 6.2.1                                       | Null subjects in child L1 French                               | 150        |
| 6.2.1.1                                     | The findings   | 151        |
| 6.2.1.2                                     | Theoretical accounts   | 153        |
| 6.2.2                                       | Null objects in child L1 French                                | 160        |
| 6.2.2.1                                     | The findings   | 161        |
| 6.2.2.2                                     | Theoretical accounts   | 165        |
| 6.3   | L1 acquisition of the binding properties of French pronouns    | 170        |
| 6.4   | Conclusion   | 177        |

CHAPTER 7

|   |            |
|---|------------|
| <b>Subject and object pronouns in French bilingual acquisition and in children with SLI learning French</b> | <b>179</b> |
| 7.1 Subject and object pronouns in French bilingual acquisition   | 179        |
| 7.1.1 Overt pronouns in French bilingual acquisition  | 179        |
| 7.1.1.1 Development of subject clitics in French bilingual acquisition                                      | 179        |
| 7.1.1.2 Development of object clitics in French bilingual acquisition                                       | 183        |
| 7.1.2 Null arguments in French bilingual acquisition  | 187        |
| 7.1.2.1 Null subjects in French bilingual acquisition   | 187        |
| 7.1.2.2 Null objects in French bilingual acquisition  | 189        |
| 7.1.3 Conclusion  | 194        |
| 7.2 Acquisition of French pronouns by children with SLI   | 196        |
| 7.2.1 Development of overt pronouns in children with SLI learning French                                    | 196        |
| 7.2.2 Null arguments in acquisition of French by children with SLI  | 199        |
| 7.2.3 Acquisition of the binding properties of French pronominal elements by children with SLI              | 201        |
| 7.2.4 Conclusion  | 201        |

CHAPTER 8

|   |            |
|---|------------|
| <b>Subject and object pronouns in L2 French acquisition</b> | <b>203</b> |
| 8.1 Development of overt pronouns in L2 French              | 203        |
| 8.1.1 Overt pronouns in child L2 French                     | 203        |
| 8.1.1.1 Development of subject clitics in child L2 French   | 204        |
| 8.1.1.2 Development of object clitics in child L2 French    | 206        |
| 8.1.1.3 Theoretical implications                            | 209        |
| 8.1.2 Overt pronouns in adult L2 French                     | 211        |
| 8.1.2.1 Development of subject clitics in adult L2 French   | 211        |
| 8.1.2.2 Development of object clitics in adult L2 French    | 215        |
| 8.1.2.2.1 Spontaneous production data                       | 215        |
| 8.1.2.2.2 Experimental data                                 | 218        |
| 8.1.2.2.3 Theoretical analyses                              | 222        |
| 8.2 Null arguments in L2 acquisition of French              | 223        |
| 8.2.1 Null arguments in child L2 French                     | 223        |
| 8.2.1.1 Null subjects in child L2 French                    | 223        |
| 8.2.1.2 Null objects in child L2 French                     | 225        |
| 8.2.2 Null arguments in adult L2 French                     | 227        |
| 8.2.2.1 Null subjects in adult L2 French                    | 227        |
| 8.2.2.2 Null objects in adult L2 French                     | 228        |
| 8.3 Conclusion  | 229        |

## **PART III. Determiner phrases**

### **CHAPTER 9**

#### **Determiner phrases: Morphosyntactic assumptions 235**

- 9.1 French DPs 235**
  - 9.1.1 The determiner system in French 235**
    - 9.1.1.1 Gender and number 236**
    - 9.1.1.2 Definiteness and specificity 238**
  - 9.1.2 Agreement concord 239**
  - 9.1.3 Determinerless NPs 239**
  - 9.1.4 Noun placement 241**
- 9.2 The formal representation of DPs 243**
  - 9.2.1 The DP hypothesis 243**
  - 9.2.2 The different types of determiners and their status 246**
  - 9.2.3 The representation of agreement concord 247**
- 9.3 Questions for acquisition 248**

### **CHAPTER 10**

#### **Determiner phrases in child L1 French 251**

- 10.1 L1 acquisition of determiners in French 251**
- 10.2 Development of definiteness in child L1 French 254**
- 10.3 Development of number and gender in child L1 French 257**
- 10.4 Theoretical implications 258**
  - 10.4.1 The initial availability of D 258**
  - 10.4.2 Knowledge of definiteness, gender, and number 261**
  - 10.4.3 Relationship between the development of determiners and finiteness 261**
  - 10.4.4 Relationship between the development of determiners and object clitics 263**
- 10.5 Conclusion 264**

### **CHAPTER 11**

#### **The development of DPs in French bilingual acquisition and in children with SLI learning French 267**

- 11.1 DPs in French bilingual acquisition 267**
  - 11.1.1 Production of determiners in obligatory contexts by French bilinguals 267**
  - 11.1.2 Development of definiteness, gender and number in French bilingual acquisition 271**
    - 11.1.2.1 Development of definiteness in French bilingual acquisition 271**
    - 11.1.2.2 Development of number in French bilingual acquisition 272**

|                |  |            |
|----------------|--|------------|
| 11.1.2.3       | Development of gender in French bilingual acquisition                                      | 273        |
| 11.1.2.4       | Development of noun placement<br>in French bilingual acquisition                           | 274        |
| 11.1.3         | Theoretical implications   | 274        |
| 11.1.3.1       | The development of D   | 274        |
| 11.1.3.2       | The development of number and gender   | 276        |
| 11.1.3.3       | Relationship with the development of IP  | 277        |
| 11.1.3.4       | Relationship between the development of determiners<br>and object clitics                  | 278        |
| 11.1.4         | Conclusion   | 278        |
| 11.2           | The acquisition of French DPs by children with SLI   | 280        |
| 11.2.1         | Development of French determiners in children with SLI                                     | 280        |
| 11.2.2         | Development of number, gender, and noun placement<br>in children with SLI learning French  | 281        |
| 11.2.3         | Comparison with the development of object pronouns<br>in children with SLI learning French | 285        |
| 11.2.4         | Relationship with the development of RIs<br>in children with SLI learning French           | 286        |
| 11.2.5         | Theoretical implications   | 286        |
| 11.2.6         | Conclusion   | 288        |
| <br>CHAPTER 12 |  |            |
|                | <b>Determiner phrases in L2 French acquisition</b>   | <b>289</b> |
| 12.1           | DPs in child L2 French   | 289        |
| 12.1.1         | Development of determiners in child L2 French  | 289        |
| 12.1.2         | Development of number and gender in child<br>L2 French                                     | 290        |
| 12.1.3         | Theoretical implications   | 290        |
| 12.2           | DPs in adult L2 French   | 291        |
| 12.2.1         | Development of determiners, definiteness, number,<br>and gender in adult L2 French         | 291        |
| 12.2.1.1       | The production of determiners by adult L2<br>French learners                               | 291        |
| 12.2.1.2       | Development of definiteness in adult L2 French   | 294        |
| 12.2.1.3       | The clitic status of determiners in adult L2 French  | 295        |
| 12.2.1.4       | Development of gender in adult L2 French   | 296        |
| 12.2.1.5       | Development of number in adult L2 French   | 300        |
| 12.2.1.6       | Theoretical implications   | 300        |
| 12.2.1.6.1     | Knowledge of D   | 300        |
| 12.2.1.6.2     | Knowledge of gender  | 301        |
| 12.2.1.6.3     | Knowledge of definiteness and number   | 305        |



|  |  |            |
|--|--|------------|
| 12.2.2   | Noun placement in adult L2 French  | 306        |
| 12.2.3   | The nominal domain and the syntax/semantics interface<br>in adult L2 French    | 307        |
| 12.2.3.1   | The semantic interpretation of adjective<br>placement in adult L2 French       | 308        |
| 12.2.3.2   | Acquisition of quantified expressions<br>by adult L2 French learners           | 314        |
| 12.2.4   | Theoretical implications   | 317        |
| 12.3   | Conclusion   | 317        |
| <br><b>PART IV. Questions and embedded clauses</b> |  |            |
| <br><b>CHAPTER 13</b>                              |  |            |
|  | <b>Questions and embedded clauses in French: Facts and analyses</b>            | <b>323</b> |
| 13.1   | Root interrogatives  | 323        |
| 13.1.1   | Wh-word placement  | 323        |
| 13.1.2   | Inversion  | 325        |
| 13.1.2.1   | Clitic/verb inversion  | 325        |
| 13.1.2.2   | Complex inversion  | 327        |
| 13.1.2.3   | Stylistic inversion  | 328        |
| 13.1.3   | Infinitival questions  | 329        |
| 13.1.4   | Theoretical accounts   | 330        |
| 13.1.5   | <i>Est-ce que</i> questions  | 334        |
| 13.2   | Embedded clauses   | 335        |
| 13.2.1   | Embedded questions   | 335        |
| 13.2.2   | Embedded declaratives  | 336        |
| 13.2.3   | Embedded infinitival clauses   | 337        |
| 13.2.4   | Theoretical account  | 338        |
| 13.3   | Relative clauses   | 339        |
| 13.4   | Constraints on wh-movement   | 342        |
| 13.5   | Questions for acquisition  | 343        |
| <br><b>CHAPTER 14</b>                              |  |            |
|  | <b>Questions and embedded clauses in child L1 French</b>                       | <b>345</b> |
| 14.1   | Development of matrix questions in child L1 French                             | 345        |
| 14.1.1   | The first questions in child L1 French   | 345        |
| 14.1.2   | Development of wh-word placement in child L1 French                            | 347        |
| 14.1.3   | Development of inversion and <i>est-ce que</i> questions<br>in child L1 French | 349        |
| 14.1.4   | Long distance (LD) wh-questions in child L1 French                             | 351        |
| 14.1.5   | Other properties of matrix interrogatives in child L1 French                   | 352        |
| 14.1.6   | Theoretical implications   | 353        |