

Contents

Acknowledgements — VII

List of figures — IX

List of tables — XI

1 Introduction — 1

2 Storing and processing derived words — 8

2.1 The decompositional perspective — 9

2.1.1 Base frequency as against word frequency — 17

2.1.2 Morphological segmentability — 24

2.1.3 Prosodic word integration — 31

2.1.4 Affix informativeness — 39

2.2 The non-decompositional perspective — 47

2.2.1 Discriminative learning — 51

2.3 Summary of hypotheses and questions — 58

3 General method — 62

3.1 Selection of morphological categories — 63

3.2 Building the datasets — 66

3.2.1 Description of the corpora — 67

3.2.2 Data extraction and cleaning — 68

3.3 Variables — 73

3.3.1 Response variable — 73

3.3.2 Predictor variables — 76

3.4 General modeling procedure — 81

4 Frequency measures — 85

4.1 Method — 85

4.2 Results — 88

4.2.1 Category-internal analyses — 88

4.2.2 Across-category analysis — 96

4.3 Discussion — 97

5 Prosodic word integration — 105

5.1 Method — 105

5.2	Results —	108
5.3	Discussion —	118
6	Affix informativeness —	125
6.1	Method —	125
6.2	Results —	130
6.2.1	Conditional affix probability —	130
6.2.2	Semantic information load —	142
6.3	Discussion —	150
7	Linear discriminative learning —	157
7.1	Method —	157
7.1.1	Dataset —	157
7.1.2	Training data —	159
7.1.3	Matrices for form and meaning —	160
7.1.4	Comprehension and production mapping —	164
7.1.5	LDL variables —	166
7.1.6	Modeling word durations —	170
7.2	Results —	172
7.2.1	General comparison of the networks —	172
7.2.2	Predicting durations with LDL variables —	173
7.2.2.1	Mean word support and path entropies —	179
7.2.2.2	Semantic density and semantic vector length —	181
7.3	Discussion —	185
8	General discussion —	192
9	Conclusion —	205
	References —	207
	Index —	225