

Daniel Galbraith — Résumé

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EDUCATION

- 2018 (*expected*) **Stanford University**, PhD in Linguistics
research foci: syntax, lexical semantics, phonology, Faroese & Scandinavian languages
methods: statistical modeling, scripting, data analysis, experimental design, corpora
- 2013 **University of Cambridge**, MPhil in Linguistics
- 2012 **University of Cambridge**, BA in Modern and Medieval Languages
French and Spanish, Linguistics
First Class Honours with Distinction, ranked first in year

RELEVANT EXPERIENCE

- **Quantitative methods** for PhD thesis and side-projects:
 - extensive statistical analysis & empirical evidence in thesis, far beyond academic requirements
 - built ordered logit regression models & linear mixed-effects models in R using `lmer4`
 - predicted choice of grammatical variant in corpus using logistic regressions with Python *sklearn* and R
 - modelled bimodal distribution of sentence judgements using Krippendorff's alpha
- **Data analysis and collection:** doctoral research investigating syntax of Faroese and Icelandic
 - constructed 2.5 million-word Faroese blog corpus, raw text & HTML accessible at danielgalbraith.com/corpora
 - designed experiments for eliciting language data, developed complex syntactic surveys via Qualtrics
 - conducted several fieldwork trips for data-gathering on Faroe Islands and Iceland
- **Python scripting** for personal side-projects:
 - **LangGen:** generates random grammar weighted by frequencies of feature settings, grabs language statistics from World Atlas of Language Structures, currently working to implement grammatical tendencies
 - **WordGen:** generates a given number of word forms based on a predefined phonology
 - **StressParse:** outputs metrical stress annotation from input of Faroese ballad texts
- **Stanford Dependencies NLP project:** contributed to decisions on syntactic analyses, checked and annotated output of grammatical parser, studied dependency grammar and CFGs
- **US Presidential Speeches** research project: analysed & annotated inaugural addresses for sentence-level stress; advised undergraduate annotator & wrote documentation detailing stress-marking algorithm
- **Lionbridge QC for Faroese and UK English:** tested gesture typing, autocorrect and suggestion features of Faroese Android keyboard, verified British English audio samples against phonetic representations
- **Other academic experience:** phonology paper submitted to *Nordic Journal of Linguistics* (currently revising), presented own research at conferences in Stanford, Washington, D.C., and Helsinki
- **Teaching Assistant** for syntax and African American Vernacular English classes: designed & taught lessons on syntactic theory, IPA and phonological rules; graded papers & held sessions with students on their progress

COMPUTER SKILLS

- **Python, R, Julia:** wrote scripts for research and linguistic side projects, constructed statistical models and plots for language data analysis (see github.com/danielgalbraith)
- **NLTK, regex and grep:** search frequently for text patterns in large corpora, including own blog corpus
- **LaTeX:** typeset academic papers and presentations on a regular basis
- **Linux:** Ubuntu user for 9 years, installed several distributions in various languages

LANGUAGES

- **Faroese:** in-depth academic knowledge, competent conversational
- **French & Spanish:** strong competence in both, top of year at Cambridge in French language, studied at Paris Sorbonne for one year on Erasmus exchange, poetry translations published in both languages
- **Others:** academic knowledge of Nordic languages, Lithuanian, Latin, Old French and Old Occitan; took basic courses in Modern Hebrew, Norwegian, Mandarin, Russian, Irish, Korean, Avestan and Classical Greek