Rosemary Ingham

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Profile

Data scientist focused on the intersection between natural language processing and traditional linguistics.

Experience

Oregon Health and Science University, Research Assistant 2015 - present
Wrote Python, bash, and R scripts for data extraction and analysis contributing to published paper and two presentations
Designed and developed Flask/SQLite app to facilitate interdepartmental communication
Transcribed speech data from diagnostic interviews using ELAN software
Trained new transcribers and helped coordinate efforts of remote transcription team

Oregon Health and Science University - Center for Spoken Language Understanding 2015 - 2017
MS in Computer Science

Oregon Health and Science University, Teaching Assistant
Graded assignments for Natural Language Processing course 2017

BioSpeech, Research Assistant
Evaluated quality of research stimuli for diagnostic iPad apps
Worked one-on-one communicating complex concepts to developmentally disabled children and other research participants for diagnostic iPad app testing 2014 - 2017

Reed College
BA in Linguistics 2009 - 2013
Thesis "The effect of native language formality on acquisition of Japanese formality levels"

Technical Skills

Software and Programming Languages Python (numpy, NLTK, Flask), R, SQL, Hadoop (MapReduce, Spark), LaTeX, ELAN, Praat

Natural Languages English (fluent native), Japanese (conversational), Mandarin Chinese (basic)

Selected coursework Natural Language Processing, Machine Learning, Probability and Statistics, Data Visualization, Information Retrieval, Semantics, Syntax, Morphosyntactic Typology, Discourse

Publications

K. Gorman, S. Bedrick, G. Kiss, E. Morley, **R. Ingham**, M. Mohammad, K. Papadakis, & J. van Santen (2015). "Automated morphological analysis of clinical language samples." Meeting of the North American chapter of the Association for Computational Linguistics.

H. MacFarlane, K. Gorman, **R. Ingham**, A. Presmanes Hill, K. Papadakis, G. Kiss, & J. van Santen (2015). "Quantitative analysis of disfluency in children with autism spectrum disorder or language impairment." Plos One.

K. Gorman, H. MacFarlane, **R. Ingham**, & J. van Santen (2015). "Quantitative analysis of disfluency in children with ASD". International Meeting For Autism Research.