A Shortest-path Method for Arc-factored Semantic Role Labeling

Xavier Lluís ... Universitat Politècnica de Catalunya
Xavier Carreras ... Xerox Research Centre Europe
Lluís Márquez ... Qatar Computing Research Institute

— Abstract —

We propose a Semantic Role Labeling (SRL) model to jointly find semantic roles and syntactic paths.

— Arc-factored SRL —

— Motivation —

— SRL as Shortest Path —

— Results —

— Experimental Setting —

— Future Work —

— Graph Definition and Construction Algorithm —

— Syntactic path as the source of features

— Distribution of path patterns in CoNLL-2009 data

— Prec (%) rec (%) F1 (Zhao et al., 2009)

— Test set results

— Overall, we are below the best shared task results: 83.97 F1 (Zhao et al., 2009)

— Using arc-factored features penalizes by a 1.6 F1, incándes

— Our model uses linear classifiers and few feature engineering

— F1-evaluation more robust classifiers could be learned

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