1. **Cross-lingual syntactic variation over age and gender**

**Abstract**

* Syntax of Social Media Data.
* User Review Site called Trustpilot

Trustpilot is not restricted, prevalent and reliable metadata, less error rate.

**Data Collection**

* Company website reviews
* 5 Languages , 11 countries
* Name, ID, profile, text, location

**Methodology**

* State if art of the art dependency parser and a universal POS tag.
* 5000000 to 1 Million distinct treelets for each language.
* Extract all sub-trees of up to three tokens from parses.
* Treeket reduction:- set minimum number of occurrences of a feature in each language to 50, feature selection, stability selection, divide data between age group, benforeni.
* Adverbial modifiers can be placed in different positions across languages.

**Gender Comparison**

* Number –Male (11 LANGUAGES)
* Pronoun – Female

**Results**

* Noun is above 45years
* Verb by verb is less than 35 years of age.
* Sweden 182 treelets are significant in English too.
* Gender Differences:- Pronouns and verbs- Women and Impersonal pronouns- men, Computer and accessories and car lights – Men, Pets and Clothes and Fashion- Women.
* 45 years use temporal expression and less than 35 use definitely and possibly.

Towards Scalable Speech Act Recognition in Twitter: Tackling Insufficient amount of it

* Address lack and complexity
* Explore semi-supervised ML like SVM

**Speech Act Categories**

* Statement, Question, Suggestion, Comment, Misc

**Speech Act**

* DAMSEL
* Twitter Application (New task)

**Supervised Learning Results**

* News,Entity, Long standing topic (LST)
* 90% Training
* ABLE TO PRODUCE USABLE RESULTS WITH 40% TRAINING DATA
* 10% training data is over 800 annoted tweets.

Semi –Supervised

* Transductive SVM
* Ideal for limited training data
* Graph based Label Propagation

**Experiment**

* Class oriented
* Traditional SVM

**Results and Conclusion**

* Transductive is better in all the categories
* Inductive does well in some instances

**Social Media Usage in Disaster Response**

* 52% use social media to get in touch with govt
* 28% use to tell that they are safe to their family.
* CDC, American Red Cross, U.S Army, FDA.

**Types of Emergency**

* Earthquakes
* Hurricanes
* Tornadoes
* Fire hazards
* Energy /utility outages
* Terrorism

**Issues in Social Media**

* Rumors, Misinformation
* Filtering out low utility
* Countermanding Authority
* Promoting Negative acts
* Privacy concerns

Usahidi.com

**Contextualized Sarcasm Detection on Twitter**

Detection of Sarcasm