Causative Construction

Jayant Panwar 2019114013
Prajneya Kumar 2019114011

Introduction

Construction:

Problem Statement: Identify and search for patterns in causative constructions in Hindi and Telugu Languages

What we know:

Comrie describes it as an expression that denotes a complex situation involving two component events: (i) the causing event, in which the causer does or initiate something and (ii) the caused event, in which the causee carries out an action or undergoes some kind of change as a result of the causer's action

Three types of causatives:
1. Lexical Causatives - Die, kill
2. Morphological Causatives - Sona, sulaana, sulwana
3. Periphristic Causatives - I made him write

Things to look out for:
Verb based causatives, adjective based causatives
Subject changes

Literature Review

Relevant Papers:
Bernard Comrie Chapter 8
http://heidiharley.com/heidiharley/wp-content/uploads/2016/09/Harley2008CausativesFinal.pdf
http://www.languageinindia.com/july2018/hemacausativeconstructionhindi1.pdf
https://www.ideals.illinois.edu/bitstream/handle/2142/26440/SLS1971v1-2_Kachru.pdf?sequence=2
A computational perspective on Telugu: https://www.aclweb.org/anthology/C12-3001.pdf

Corpora

English: https://www.cfilt.iitb.ac.in/~parallelcorp/iitb_en_hi_parallel/
Hindi: https://www.cfilt.iitb.ac.in/~parallelcorp/iitb_en_hi_parallel/

Telugu: LTRC
Telugu Corpora now changed to Manually Transcripted Data from Big Boss Show
Languages Used: English, Hindi, Telugu
Issues with the Corpora: Telugu Corpus corrupted on LTRC website

Methodology

Type of Processing Done/To-do:
1. Find Causatives
2. Identify type of causative
3. Classify as verb/adjective causative
4. Repeat for all languages
5. Find patterns that imply presence of causative in each language
6. Identify rules for individual languages and the conditions in which they occur
7. Use 5 and 6 to create generalizations of causatives, if any

Proposed Tools:
Stanford Stanza
Manual annotation to be done:
Finding causative first of all. Annotating them into our corpus. Annotating the verb accordingly too (I- intransitive, T- transitive, D- ditransitive)