

lask

For Task A of the shared task, predict the expert-rated level of risk from language used in r/SuicideWatch Reddit posts.

Methods

With unigrams and dictionary category scores as features:

- 1. Correlate each feature with each rating level.
- 2. Fit a decision tree (in-sample accuracy = .72, F1 = .52).

Results

No risk (a) posts often request advice about, or offer help to others, which was associated with social words (friend, herself, advice), including those relating to the platform (subreddit, post, account) and communication (contact, text, message).

High risk (d) posts were associated with <u>terseness</u> (many short sentences, or short posts with less structure), use of firstperson singular pronouns (I, me, *my*), and indicators of intensity (fucking, disgusting, knife).

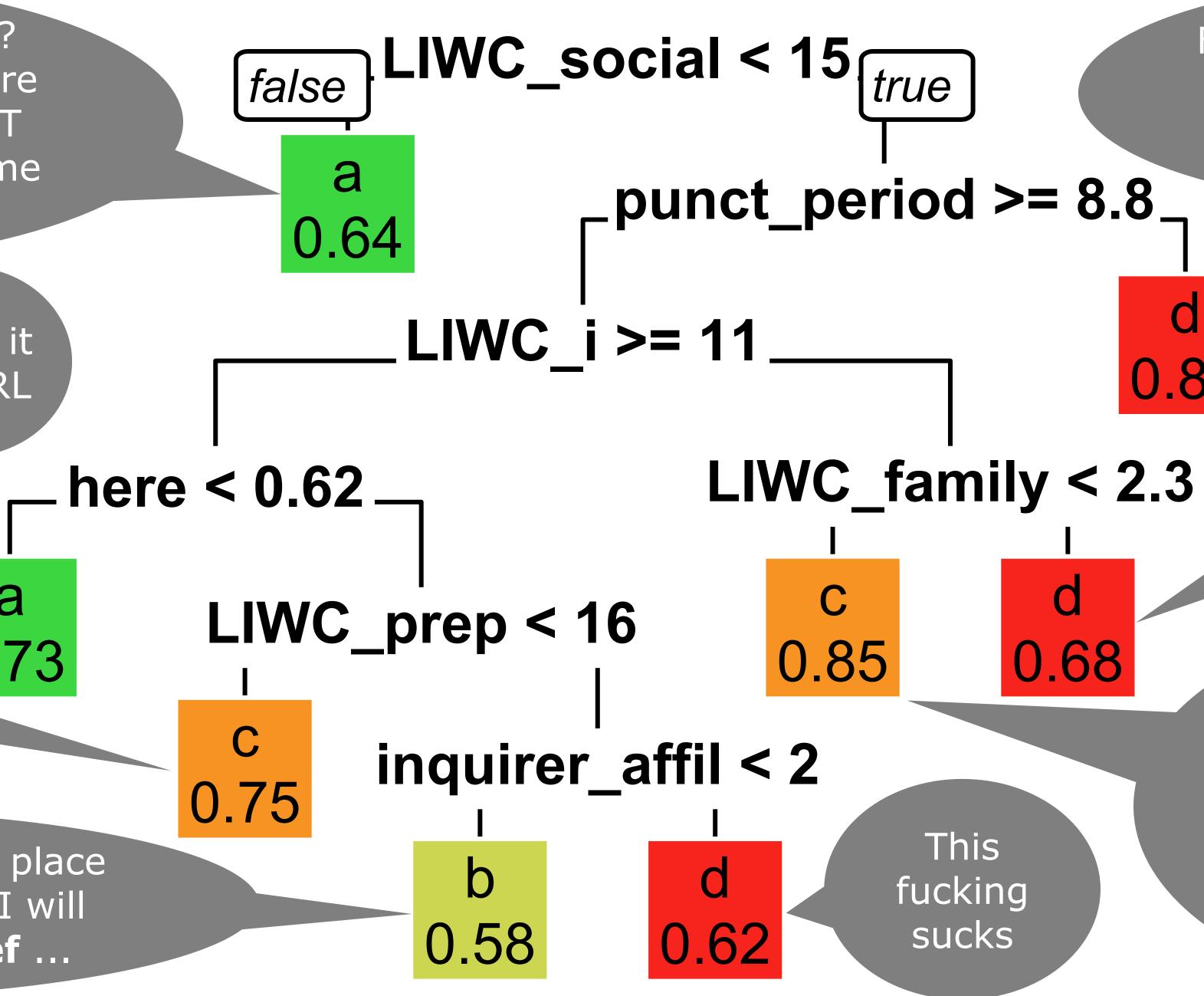
Dictionaries and Decision Trees for the 2019 CLPsych Shared Task Micah Iserman, Taleen Nalabandian, and Molly E. Ireland Department of Psychological Sciences, Texas Tech University {micah.iserman, taleen.nalabandian, molly.ireland}@ttu.edu

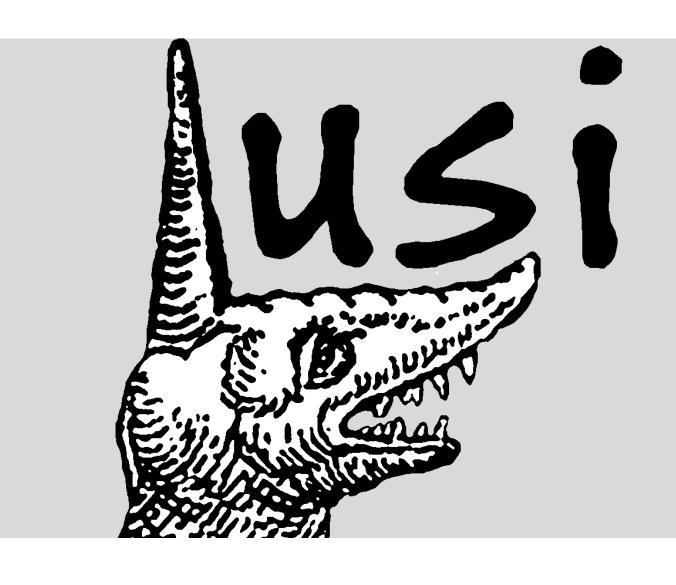
mine meant son typing while however experiences especially account contact s exactly drinks comfortable somewhere bis gonnaeverybody clear worried account suicidewatch we're barely financially hated worried background police alsoluckyfriday site relief my piece end called young silly nownoticed later myself live black fucking ^{pm}too anymore. Wokeshe'll nothing college high was We up so did hello every im near tidr Out open in a near tidr V im near the knife URL fast ' want anything hurts male action terms herself it's only continue onto mom me first it COUSIN we've brother alive world don't sadness treatment places taking you'll cause text hobbies regardless hour advice lose disgusting velled friend building escapeshe bottle awkward possibleteenager parents subreddit says female main attempt birth memory r/subreddit

> 1. Color = rating, size = correlation, shade = frequency. 2. Nodes show the dominant rating and its probability within the subset.

Can **someone help us** out? We need someone with more experience! URL SUBREDDIT **PERSON** is having a hard time today. Here it So I just got back is: URL from standing on top of a multi-story parking garage, standing on the a wall, looking down, and being sorely 0.73 tempted **to** jump.

> this is probably not the best place to ask but I need **help** (or I will need **help** soon) with **grief** ...





Fuck it. It's important that I die Everyone will be better off without me d As soon as everyone falls 0.89 asleep in **my** house **I'm** finally ready My mother hates me, my father is never around, **I** can't do anything about my declining academics and I can't make a friend.