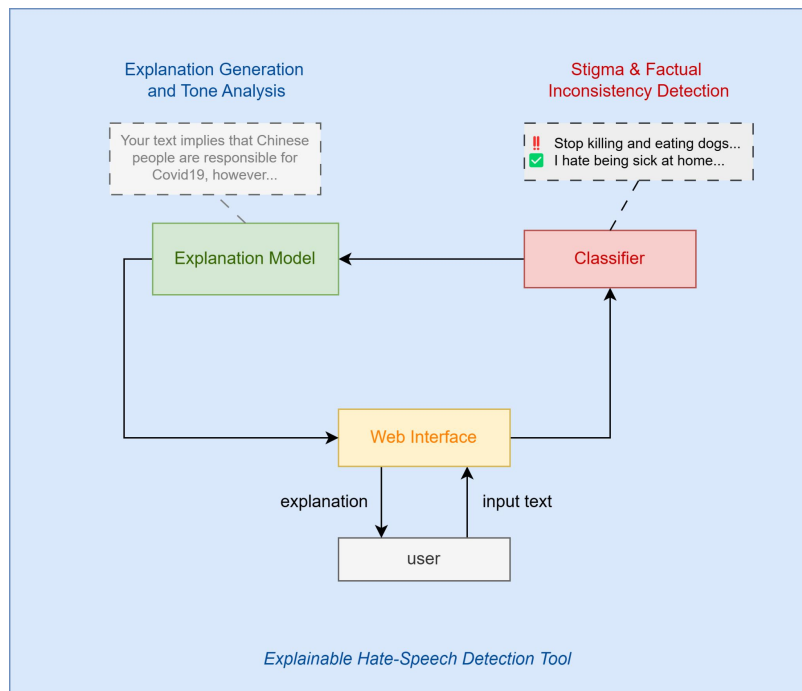


Compassionately: Increasing Plurality Awareness through Community-Powered AI

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Introduction

- **Previous work:** anti-Chinese hate-speech detection system



- **Extension:** Islamic context

Background

- Recontextualization of Islamic jurisprudence (Mernissi; Wadud)
- Differing definitions of Islamic authority
 - *High command of Quranic Arabic, its etymology & societal context* (Al-Zurqani)
 - *“...knowledge of the principles [of law] and knowledge of how to draw inferences from those principles by reasoning...”* (“Averroes” Ibn-Rushd)
- “iMuftis”, “techno-madhabs” (Malik, 2023)



Research Questions

- **RQ1:** To what extent does increasing *plurality awareness* within the Muslim community through **community-powered AI** increase understanding of differing perspectives?
- **RQ2:** How does the integration of **community-powered AI** tools affect the *polarization* of beliefs both within the Muslim community and with other communities?

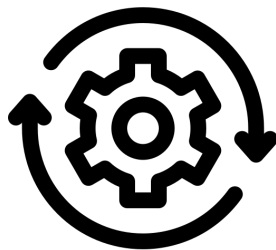
Contributions



Islamic subreddit analysis



"Compassionately" Website



Hate-speech Detection Tool (IPR)

Methods: Islamic Subreddit Analysis

- Scraped r/islam, r/progressive_islam, r/Muslim, r/CritiqueIslam
- Annotated 100 posts from Focus Category 2 (Womens' Rights)

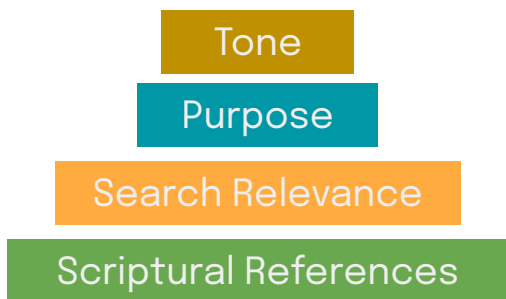
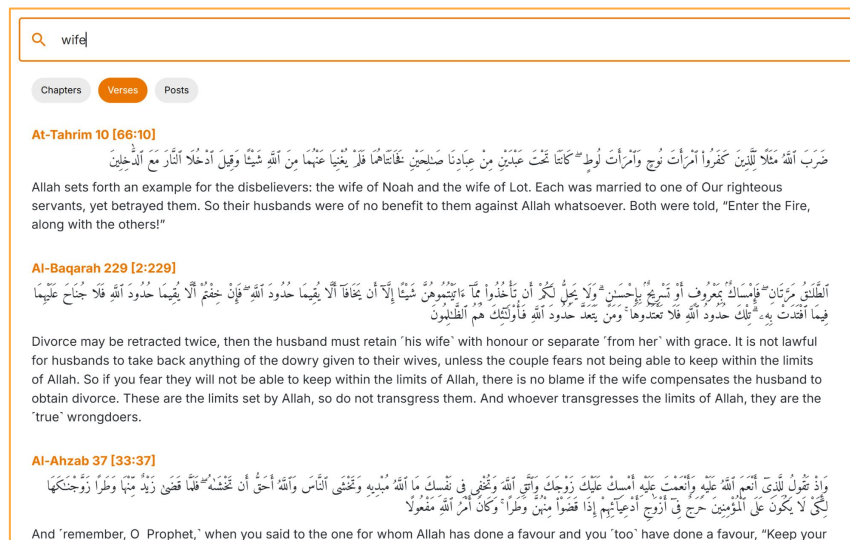
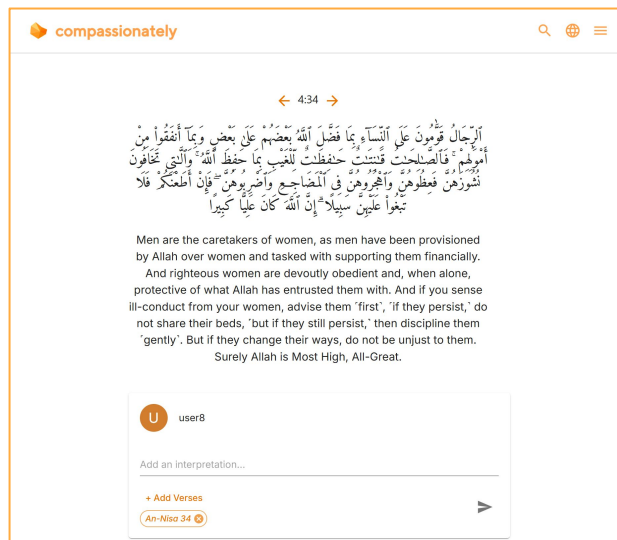


Table 1: Table describing the query keywords used in PRAW for each Data Focus Category

	Focus Category	Query Keywords
1	Physical Punishments for Theft, Adultery & Slander	Hudud, hadd, physical punishment, 24:2, 24:3, Nur (Noor) 2, Nur 3, flogging, amputat*, zina (adultery) punishment, slander punishment, theft, 5:38, Ma'idah 38
2	Womens' Rights: Gender Equality & Freedom of Expression	feminis*, Baqarah 282, 2:282, women's testimony, inheritance, Nisa 11, 4:11, polygamy, four wives, Nisa 3, 4:3
3	Womens' Rights: Domestic Violence	Domestic violence, domestic abuse, guardian*, Nisa 34, 4:34, marital rape, nushuz
4	LGBTQ+ Rights	Queer, Lut, Queer muslims, sodomy, LGBT*, gay, lesbian, trans, bisexual, 7:81, Surat Al-A'raf
5	Jihad in the name of Allah	Jihad, martyr

Methods: Compassionately User Study

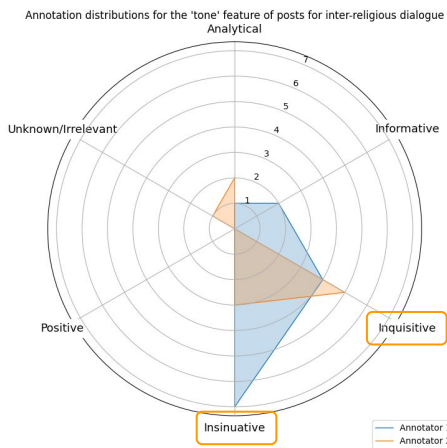
- Social media-esque platform to discuss and post interpretations



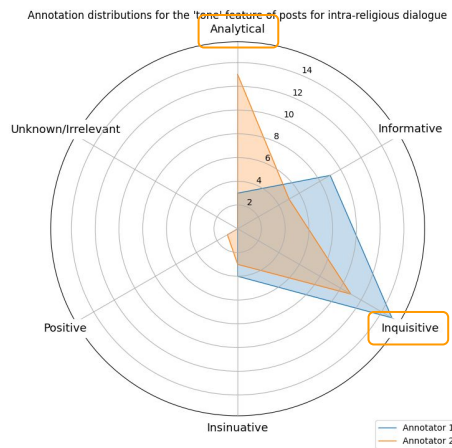
Results

Focus Category	κ	p -value
Tone	0.604	$p < 0.001$
Purpose	0.665	$p < 0.001$
Scriptural References	0.698	$p < 0.001$

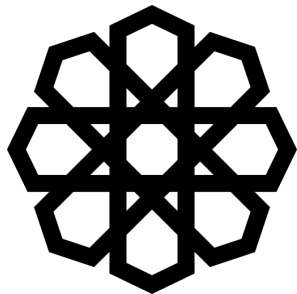
purpose="Inter-religious Dialogue"
($\kappa = 0.407^{***}$)



purpose="Intra-religious Dialogue"
($\kappa = 0.587^{***}$)



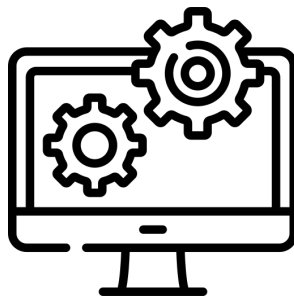
Future Work



Scholar Recruitment



User Study Expansion



System Development

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