

Seeing Things from a Different Angle: Discovering Diverse Perspectives about Claims

Sihao Chen, Daniel Khashabi, Wenpeng Yin, Chris Callison-Burch, Dan Roth
University of Pennsylvania



1. Motivation

Many controversial **claims** don't have a single correct answer. To respond to such claims, one needs to understand the arguments with respect to the claims from different **perspectives**.

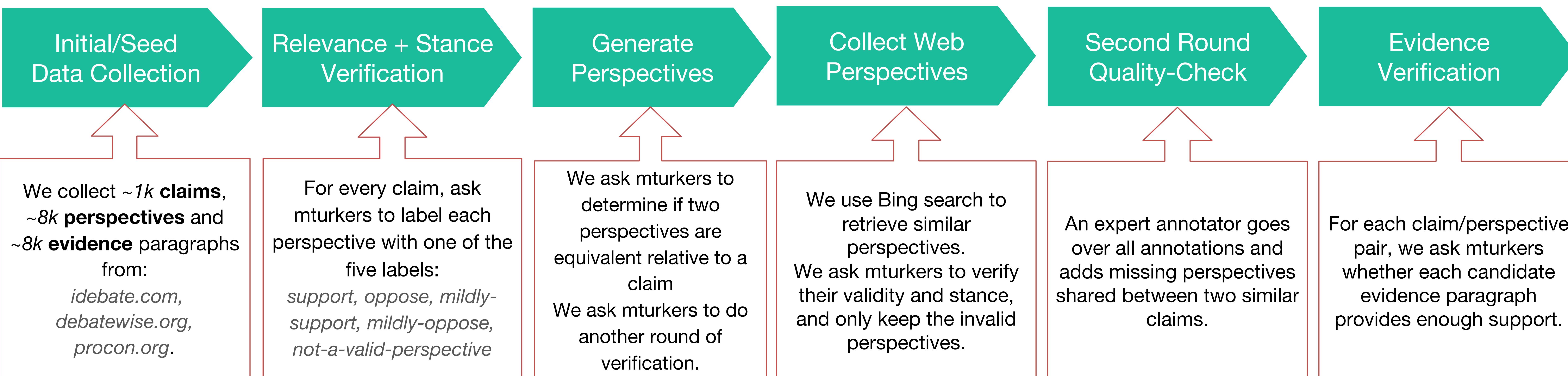
Take the following claim as example, "*Animal should have lawful rights.*"

There exist many ways to respond to the claim. These responses form a spectrum of **perspectives**, each taking a supporting/opposing *stance* with respect to the claim.

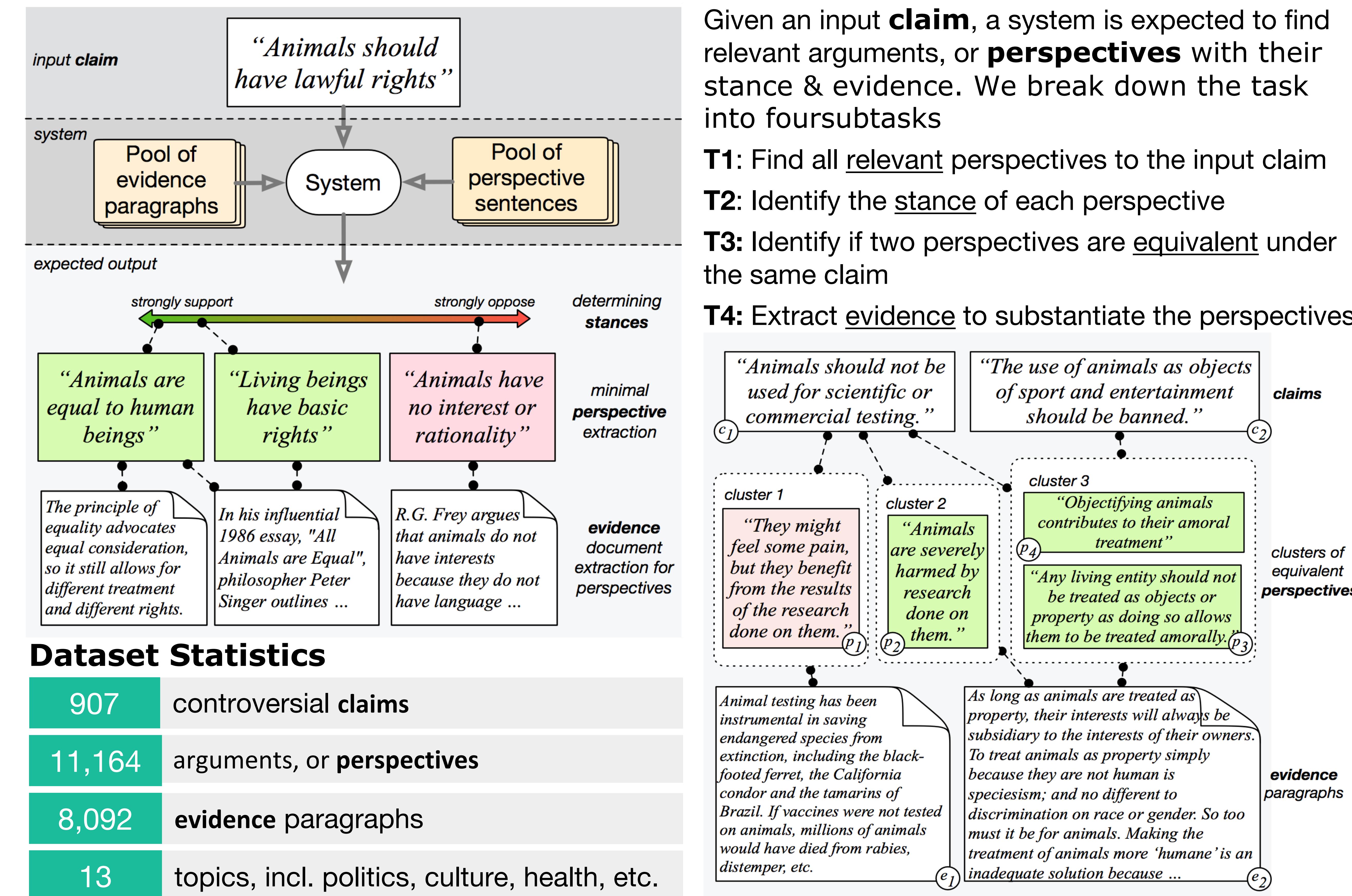
Ideally one should find an automatic way of discovering and identifying such perspectives, along with supporting **evidence** paragraphs.

To facilitate research in this direction, we propose the task of **Substantiated Perspective Discovery**, along with a large-scale, human annotated dataset **PERSPECTRUM**.

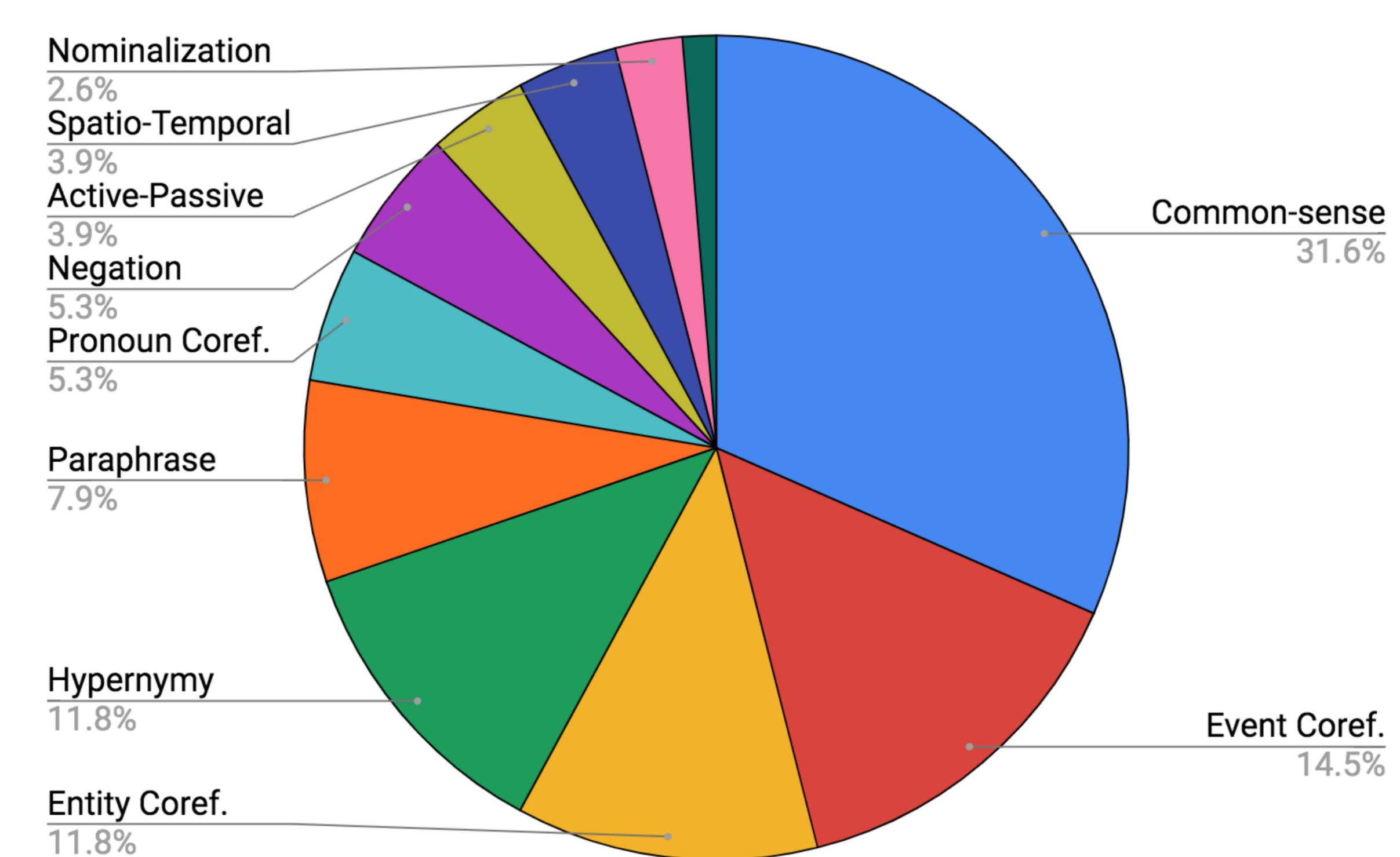
3. Dataset Collection



2. Task Definition



4. Challenges



5. Baseline & Results

- Always "Positive":** Always predict "positive" on Stance classification task
- IR:** Information Retrieval Baseline
- IR + BERT:** Perspective Stance Classification
- Human:** Human Performance

	Always "Positive"	IR	(IR +) BERT	Hum.
T1 Relevance	-	40.0	50.8	72.5
T2 Stance	68.0	-	70.8	90.9
T3 Equivalence	-	36.5	63.7	83.7
T4 Evidence	-	46.8	55.7	60.7
Overall	12.8		17.5	40.0

There is a considerable gap between the performances of baselines and humans.

For more details & dataset download
Visit: <http://cogcomp.org/perspectrum>

Acknowledgements

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