Aim of the research

The integration of pragmatic information with linguistic clues could significantly help and improve the efficiency in irony detection tasks.

Computational approaches to the detection of irony have only tried to find linguistic clues that could indicate its presence without considering pragmatic factors.

A new important feature to detect irony in online texts could be the attribution of the utterance to a specific source.

What is irony?

There is no universally accepted definition of irony

Is it a form of double-speak in which a speaker implies the opposite of what is said (Giora 1995)?

Or is it the expression of a sentiment in direct opposition to what is actually believed (Grice 1978)?

Maybe it’s better to consider the phenomenon of irony not from the perspective of the ironist, but from the point of view of the audience (Barbe 1995)

Imagine that as a little copernican revolution. Irony does not revolve around the ironist and what he intends, but around the hearer and what he is expecting from the speaker in a given context.

Automatic irony detection with linguistic clues

The ironical interpretation of a sentence can completely change the intended meaning of it

It is very important to detect and recognize irony in tasks such as opinion mining and sentiment analysis.

A few works have tried to identify irony automatically from texts using specific linguistic elements as clues.

The importance of being the source

“If only God .....”

Cit. Woody Allen   Cit. Joseph Ratzinger

The source of an utterance is important.

We expect irony more from some people than from others

The same sentence attributed to different sources could be interpreted as ironic or not depending on the knowledge we have about the ironic attitude of the author.

“If only God could give me a clear sign.”

Hypothesis

I expect that ambiguous sentences are evaluated as more or less ironic depending on whether they are attributed to a person who is often ironic vs. one who uses irony more rarely.

Subjects

30 students (age 18-24) divided in two groups

Part 1 - Training

Group A and B: same data

News: “Sen. Dell’Utri found guilty for his relationship with the Mafia by the Court of Palermo.”

Francesco: “What? I would have never thought an Italian senator could commit a crime.”

Is this sentence ironic for you? 5

Luca: “All this corruption in politics is disgusting.”

Is this sentence ironic for you? 5

Group B

News: “Today princess Kate gave birth to the new heir to the British Throne.”

Francesco: “Such important news! It made my day really!”

Is this sentence ironic for you? 5

Luca: “Such important news! It made my day really!”

Is this sentence ironic for you? 5

The subjects evaluate if every comment is ironic on a scale 0-4

The two commentators show a different ironic attitude

The subjects in group A are attributed to other commentators in group B and vice-versa.

In this new set some of the comments could be interpreted as ironic or not

Ambiguous comments attributed to one of the commentators in group A are attributed to other commentator in group B and vice-versa

The subjects evaluate if every comment is ironic on a scale 0-4

At the end the subjects are asked which commentator has generally the most ironic attitude.

Conclusions

I do not have a real conclusion.

I need to wait for the results of the experiment for verifying my hypothesis.

Considering the source of an utterance is certainly not the silver bullet for automatic irony detection.

Irony is very complex and creative. And it involves too many factors for being definitely computed.

To improve efficiency of irony detection systems it is crucial to integrate linguistic clues with pragmatic information.

References


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Acknowledgements

I would like to thank Bonnie Webber, Silvia Pareti, Hannah Rodhe and Diego Fraschinelli for their important guidance and suggestions in this work.

Is this sentence ironic for you? 5

The caricatures are realized by Alfredo Giometti.