

Metric	Patterns
Text	
Scope Ambiguity	<ul style="list-style-type: none"><li>•(all each every) .* (a his her its their)</li><li>• everybody .* (their its)</li><li>• up to [^including excluding]</li></ul>
Directives	Any word "w" found in the provided directive dictionary "D" ( $D$ is set of directives). $w \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the directive dictionary
Un-Explanation	<code>\s(\w+\.)[[A-Z]+)\s</code>
Subjectivity	Any word "w" found in the provided Subjectivity dictionary "D" ( $D$ is set of directives). $w \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the Subjectivity dictionary
Weakness	Any word "w" found in the provided Weakness dictionary "D" ( $D$ is set of directives). $w \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the Weakness dictionary
Minimal	Any word "w" found in the provided Minimal dictionary "D" ( $D$ is set of directives). $w \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the Minimal dictionary
POS	
RefAmb	<code>(PRP PRP\$)</code>
Subjectivity	<code>(RB.? JJ.?)</code>
TD	
Atomicity	<code>(ccomp\\((\\w+, \\w+\\)) csubj\\((\\w+, \\w+\\)) csubjpass\\((\\w+, \\w+\\))</code>
Minimal	<code>[appos\\((\\w+, \\w+\\))]</code>
Wrong interpretation	<code>(dep\\((\\w+, \\w+\\)) X\\((\\w+, \\w+\\))</code>
Unintended Multi object	Match all of the following each separately <ul style="list-style-type: none"><li>• <code>dobj\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)</code></li><li>• <code>iobj\\((?&lt;Arg3&gt;\\w+), (?&lt;Arg4&gt;\\w+)\\)</code></li></ul> Then confirm that $Arg1 = Arg3$ , ( $Arg2$ and $Arg4$ can be any thing)
Multiplicity	Match the following Regex <ul style="list-style-type: none"><li>• <code>[dobj\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if the frequency of $Arg1 > 1$
	Match the following Regex <ul style="list-style-type: none"><li>• <code>[nsubj\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if the frequency of $Arg1 > 1$
	Match the following Regex <ul style="list-style-type: none"><li>• <code>[nsubjpass\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if the frequency of $Arg1 > 1$
	Match the following Regex <ul style="list-style-type: none"><li>• <code>[nsubj\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if the frequency of $Arg2 > 1$
	Match the following Regex <ul style="list-style-type: none"><li>• <code>[nsubjpass\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if the frequency of $Arg2 > 1$
Too Long	Match all of the following (each separately) <ul style="list-style-type: none"><li>• <code>[dobj\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li><li>• <code>[nmod\\((?&lt;Arg3&gt;\\w+), (?&lt;Arg4&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if (the frequency of $Arg1 > 1$ ) OR (the frequency of $Arg3 > 1$ ) OR ( $Arg1 = Arg3$ ), ( $Arg2$ and $Arg4$ can be any thing)
Too Short	Match all of the following (each separately) <ul style="list-style-type: none"><li>• <code>[dobj\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li><li>• <code>[nmod\\((?&lt;Arg3&gt;\\w+), (?&lt;Arg4&gt;\\w+)\\)]+</code></li><li>• <code>[nsubj\\((?&lt;Arg5&gt;\\w+), (?&lt;Arg6&gt;\\w+)\\)]+</code></li><li>• <code>[nsubjpass\\((?&lt;Arg7&gt;\\w+), (?&lt;Arg8&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if (the total count of $\{Arg2, Arg4, Arg6, Arg8\} > 2 * \text{the count of distinct elments in } \{Arg1, Arg3, Arg5, Arg7\}$ )
PT (Tregex-based)	
Wrong interpretation	<code>Root&gt;&gt; [S SBAR]</code>
Syntactic Ambiguity	<code>VP &gt;&gt;# (NP \$ PP)</code>
Atomicity	<code>SBAR &gt;&gt;# or</code>
Coordination Ambiguity	<code>NP &gt;&gt;# CC</code>
	<code>(CC \$ CC)</code>
RefAmbg	<code>NP &gt;&gt;: (S .. PRP)</code>
Hybrid	
Aggregate both POS and text of the input sentence in the following format: "P1/W1 P2/W2 P3/W3 .... Pn/Wn" , where $P_i$ and $W_i$ are the POS and the word that exist in the index $i$ in the sentence.	
Subjectivity	<code>(RB.? JJ.?)/(?&lt;Arg1&gt;\\w+)</code> $Arg1 \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the Subjectivity dictionary
Uncertainty	<code>(RB.? JJ.?! VB.?! NN.?)/(?&lt;Arg1&gt;\\w+)</code> $Arg1 \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the Uncertainty dictionary
RefAmb	<code>DT/(?&lt;Arg1&gt;\\w+)</code> $Arg1 \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the RefAmb dictionary
Vagueness	<code>JJ.?!/(?&lt;Arg1&gt;\\w+)</code> $Arg1 \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the Vagueness dictionary
Implicitly	Match all of the following (each separately) <ul style="list-style-type: none"><li>• <code>[nmod\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li><li>• <code>[amod\\((?&lt;Arg3&gt;\\w+), (?&lt;Arg4&gt;\\w+)\\)]+</code></li><li>• <code>[advmod\\((?&lt;Arg5&gt;\\w+), (?&lt;Arg6&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if any of $\{Arg2, Arg4, Arg6\} \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the Implicitity dictionary
UnderSpecifications	Match all of the following (each separately) <ul style="list-style-type: none"><li>• <code>[nmod\\((?&lt;Arg1&gt;\\w+), (?&lt;Arg2&gt;\\w+)\\)]+</code></li><li>• <code>[amod\\((?&lt;Arg3&gt;\\w+), (?&lt;Arg4&gt;\\w+)\\)]+</code></li><li>• <code>[advmod\\((?&lt;Arg5&gt;\\w+), (?&lt;Arg6&gt;\\w+)\\)]+</code></li></ul> For all matched cases, check if any of $\{Arg2, Arg4, Arg6\} \in D$ ; where $D = \{d_1, d_2, \dots, d_n\} : d_i$ is an entry in the UnderSpecifications dictionary