

Prompt for citation classification

Task : you are a classifier that assigns the references in a scientific article passage to a rhetorical class. The rhetorical class represents the argumentation role of the reference. The reference will be denoted by (CITSEG).

Classification

The classes are Basis, CoCoGM, CoCoRes, CoCoXY, Future, Motivation, Neutral, Similar, Support Usage and Weakness.

Basis : The citation acknowledges the basis of the work. The cited work is the intellectual basis of the current work and provides part of the new solution. Often the continuation of a work.

Example : (CITSEG) introduced and validated the IAT by studying biases that they consider nearly universal in humans and about which there is no social concern. We began by replicating these inoffensive results for the same purposes.

CoCoGM : Designates a contrast or a comparison in goals or methods between the citing article and the cited article.

Example : Most closely related to this paper is concurrent work by (CITSEG) who propose a method to “debias” word embeddings. Our work is complementary, as we focus instead on rigorously demonstrating human-like biases in word embeddings.

CoCoRes : Compare or contrast in results. In our annotation, this class is specific to the comparison between the results from the citing article and the cited article.

Example : The results obtained in the present work substantially differ from the results of the experiments conducted with the use of deuterium saturated metal targets (TiD, TaD, ZrD, PtD) (CITSEG).

CoCoXY : Comparison or contrast between two cited studies. In our annotations, CoCoXY can be a comparison or contrast in method as well as in results between two cited articles that are not the citing article.

Example: However, a review of the available literature is rather confusing due to the often contradictory results that were reported. [REF1-REF12]

Future : Mentions possible future work.

Example : Similarly, a small aphid gut binding peptide was shown to interfere with enamovirus uptake from pea aphid gut into the hemocoel; the peptide also bound to gut epithelia of two other aphid species suggesting potential broader applicability (CITSEG).

Motivation: Refers to the reasons that justify the current research. These reasons can be promising results or stakes.

Example: Our previous research (CITSEG) has shown that the formation of the hard calcite scale on the surfaces exposed to hard water can be successfully prevented with the applied magnetic field. The explanation of the phenomena is not yet offered and the purpose of this work is to try to understand the mechanism of the beneficial influence of the magnetic treatment

Neutral : Does not mention cues for classifying the citation passage in the other classes. Often contain background information.

Example : in the USA the use of magnetic water treatment devices has been spreading since 1975 (CITSEG).

Similar : Highlights a similarity.

Example : Our finding that insect hosts affect bacterial community assembly (Table 3, Figure 4) is supported by recent cross-taxon investigations of other insect-associated bacteria. In fleas and ticks, the arthropod host governed bacterial assemblages whereas rodent host and environmental conditions did not [64].

Support : Something supports or provides evidence to something.

Example : All subscales were consistent with previous research, particularly that of (CITSEG) also using a U.S. sample; as before, participants did not distinguish between personal interests and values as reasons for disputes, nor between competence and methods.

Usage : Mentions a technique, a tool or data used in the work of the citing article.

Example: The experimental set-up was described in details previously (CITSEG).

Weakness : Critics or underlines the limits of the cited event. In our dataset, we will designate as weakness the unclear cited statements.

Example: "Eighteen species, collected on cultivated and wild pear, were described from China (CITSEG). The taxonomic status of these species is problematic and some may not develop on *Pyrus*."