

Heatmap visualization showing the relationship between POSITIVE_CLASS_ (Y-axis) and NEGATIVE_CLASS_ (X-axis) for various semantic relations. The color scale ranges from 0.0 (lightest blue) to 1.0 (darkest blue).

The Y-axis categories are: Alternative, Causation, Conditional, Conjunction, Contrast, EntRel, Expansion, Progression, Purpose, Temporal.

The X-axis categories are: Alternative, Causation, Conditional, Conjunction, Contrast, EntRel, Expansion, Progression, Purpose, Temporal, and a final column labeled NEGATIVE_CLASS_.

The heatmap shows that the relationship is generally weak (light blue) across most categories. The strongest relationship (darkest blue, value 1.0) is observed for the 'Conjunction' row and 'Conjunction' column. Other notable relationships (values around 0.5) are seen for 'Conjunction' and 'Contrast', 'Conjunction' and 'Expansion', and 'Conjunction' and 'Purpose'.

