

A Venn diagram illustrating the relationship between a Knowledge Graph (KG) and its predictions. The diagram consists of several nested and overlapping ellipses. The outermost ellipse is blue and labeled "Appr. ideal KG ( $\mathcal{G}_{appr}^i$ )". Inside this blue ellipse is a red ellipse labeled " $\mathcal{R}_{NM}$  predictions ( $\mathcal{G}_{\mathcal{R}_{NM}}$ )". To the right of the red ellipse is a green ellipse labeled " $\mathcal{R}_H$  predictions ( $\mathcal{G}_{\mathcal{R}_H}$ )". The intersection of the red and green ellipses is shaded light blue. Within the red ellipse, there is a white ellipse with a black border labeled "KG  $\mathcal{G}$ ".

Appr. ideal KG ( $\mathcal{G}_{appr}^i$ )

$\mathcal{R}_{NM}$  predictions  
( $\mathcal{G}_{\mathcal{R}_{NM}}$ )

KG  $\mathcal{G}$

$\mathcal{R}_H$  predictions  
( $\mathcal{G}_{\mathcal{R}_H}$ )