

A Venn diagram illustrating the relationship between a Knowledge Graph (KG) and its approximations and predictions. The diagram consists of four nested or overlapping ellipses. The outermost ellipse is blue and labeled 'Appr. ideal KG (\mathcal{G}_{appr}^i)'. Inside it, there are two overlapping ellipses: a red one labeled ' \mathcal{R}_{NM} predictions ($\mathcal{G}_{\mathcal{R}_{NM}}$)' and a green one labeled ' \mathcal{R}_H predictions ($\mathcal{G}_{\mathcal{R}_H}$)'. The intersection of the red and green ellipses is shaded light red. The green ellipse is also shaded light blue. A black ellipse labeled 'KG \mathcal{G} ' is nested within the red ellipse.

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

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

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

KG \mathcal{G}