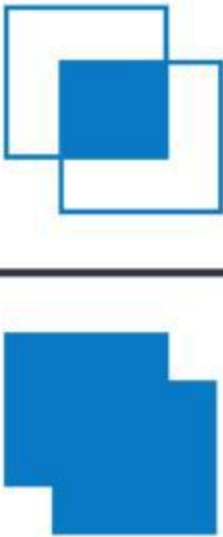


$$\text{IoU} = \frac{\text{Area of overlap}}{\text{Area of Union}}$$


The diagram illustrates the calculation of the Intersection over Union (IoU) metric. It consists of two parts. The top part shows two overlapping squares: one with a blue outline and one with a solid blue fill. The bottom part shows the resulting union of the two squares as a single solid blue shape.