



$$AUC_{PU} = \frac{1}{6} [\underbrace{h(x_1 - x_3) + h(x_2 - x_3) + h(x_1 - x_4) + h(x_2 - x_4)}_{\text{optimization objective}} + \underbrace{h(x_1 - x_5) + h(x_2 - x_5)}_{\text{correction term}}]$$

clean AUC estimate: AUC_{PN}

pseudo-AUC estimate: AUC_{PP}

$$AUC_{PN} = C_1 \cdot AUC_{PU} - C_2 \cdot AUC_{PP}$$