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Distributionally Robust, Skeptical Binary Inferences in Multi-label Problems <u>YC. Carranza-Alarcón</u>, Sébastien Destercke

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$$\left\{ \prod_{\{i|y_i=1\}} p_i \prod_{\{i|y_i=0\}} (1-p_i) \middle| p_i \in [\underline{p}_i, \overline{p}_i], \quad p_i := P(Y_i = y_i | X = x) \right\}.$$
sition 8 (Domain restriction on \mathscr{P})

 $\inf_{P \in \mathscr{P}} \sum P(Y_i = a_i) = \underline{\mathbb{E}}[\ell_H^*(\overline{\boldsymbol{a}}_{\mathcal{I}}, \cdot)]$



0.613, 0.713 $(y_1 = 1, y_2 = 1)$