

Popular RSLs (e. g. XCS, XCSF, UCS, BioHEL, ...) build **discriminative function models** of the form

$$\hat{f}_{\mathcal{M}}(\theta, x) = \sum_{k=1}^K m_k(x) \gamma_k \hat{f}_k(\theta_k, x) \quad (1)$$

where $\theta = \left\{ \{\theta_k\}_{k=1}^K, \{\gamma_k\}_{k=1}^K \right\}$ and $\mathcal{M} = \left\{ K, \{m_k\}_{k=1}^K \right\}$.

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model structure responsibility mixing weight submodel

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