

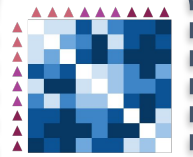
Descriptors $\mathbf{z} = f(\mathbf{x})$



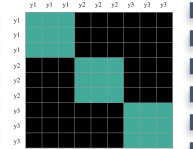
distance $d(.,.)$



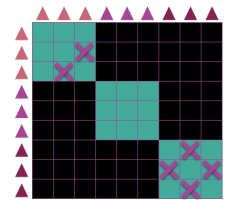
Distance Matrix \mathbf{D}^*



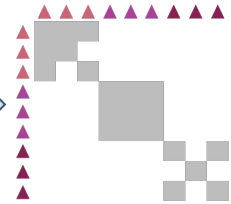
+



Find Selection Mask P_{sel} on Positives interactions



Use Selection Mask



Loss $\mathcal{L}(\mathbf{z})$



Legend

- Positive interaction
- Negative interaction
- Selected positive interaction
- Descriptors, color represents class

Observed Masks P on **Positives** and N on **Negatives**, resulting from class labels