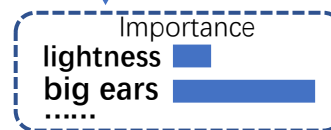


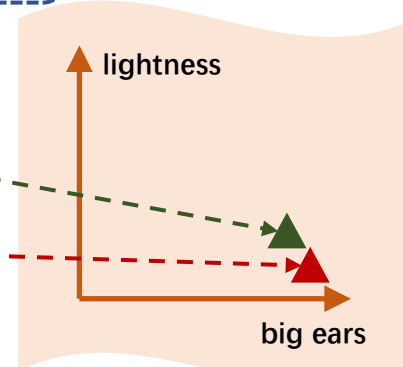
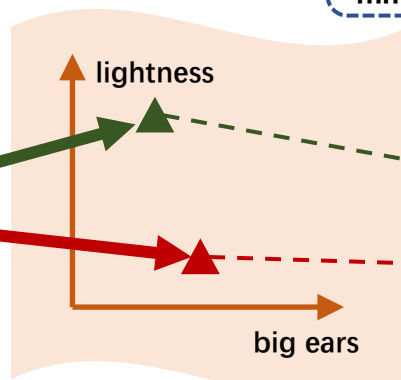
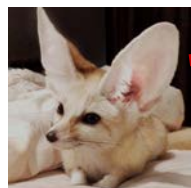
Semantic Space $\mathcal{S} \subset \mathbb{R}^{d_s}$

Semantic guidance

Visual Space $\mathcal{X} \subset \mathbb{R}^{d_v}$



class-aware
dimension attention



novel class samples

embeddings by base feature extractor

more discriminative features