multimodal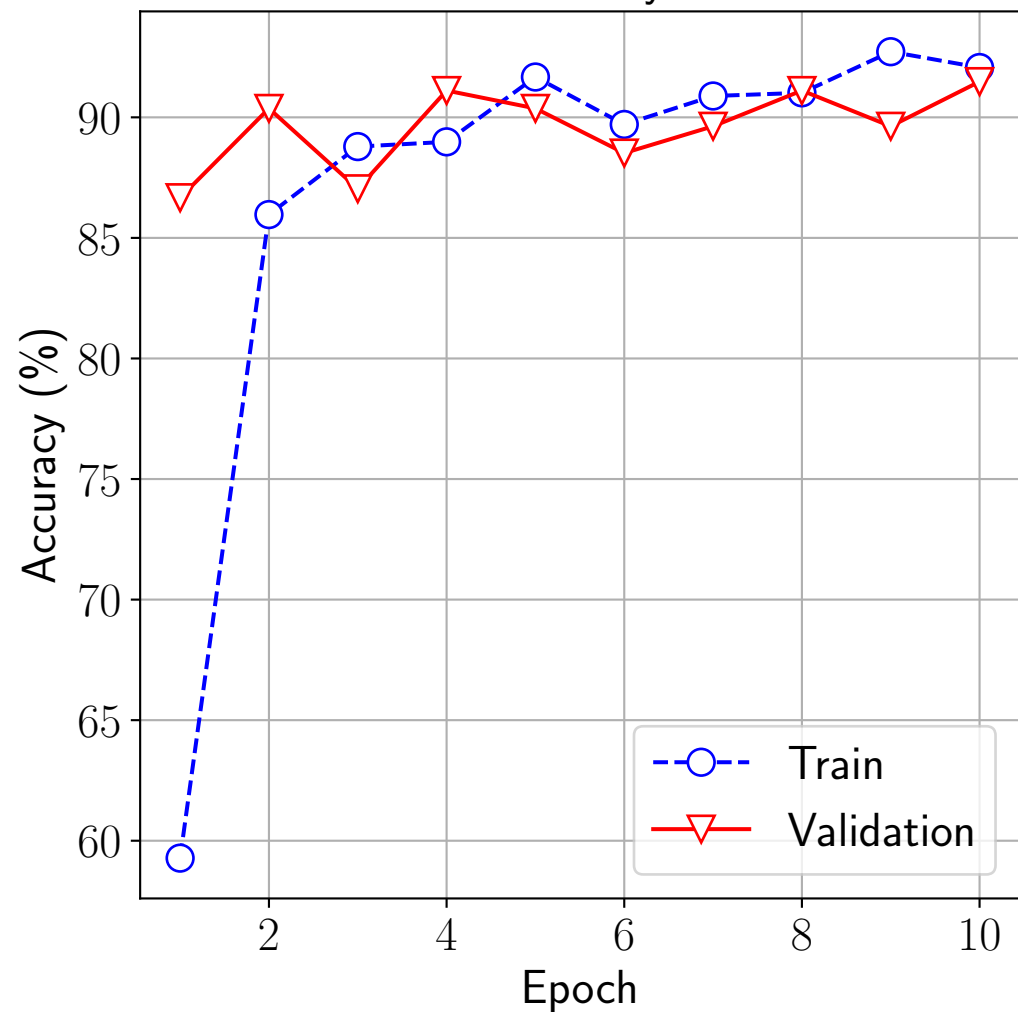_classifier