Fine-tuning stage - θ_{base} -Without Base data Pre-training stage $\mu_{base} < \mu_{novel}$ $\mu_{base} = \mu_{novel}$ Base data $|\sigma_{base} > \sigma_{novel}|$ $\sigma_{base} = \sigma_{novel}$ $f_{m{\phi}}$ Novel data w\ Classifier Normalization Mismatch of base and novel weight distributions Balance the weight distributions