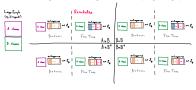
Week 11 - Pretrained Representations





This experiment helps identify the layers in the network that have the more general, re-usable features. The model that continues training on the original data (right-hand panel) is used as a negative control.



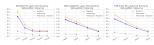






which can be interpreted as manifeling covariance, just like how PCA maximizes variance. Geometrically, the optimization finds pair of vectors that minimizes the angle between the subspaces spanned by the columns of the two input matrices. Smaller angles correspond to higher CCA correlations.

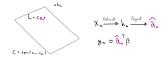












$$e_n := y_n - \widehat{\partial}_n^T \widehat{\beta}$$

 $\widehat{\partial} = o_3 \min_{i=1}^n L(e_n, g(x_i))$

 $\hat{\beta} = sr_0 m_{\rm in} \subset \{-\epsilon_n, g(x_n)\}$ $\hat{\beta} \in f_0$ so concept activations are easy to reason about, and they give examples on both medical images. They argue that these bottleneds support model control. If there it we don't want the model to use (e.g., race or gender, we can remove them by concepting in the property of the control of the con

