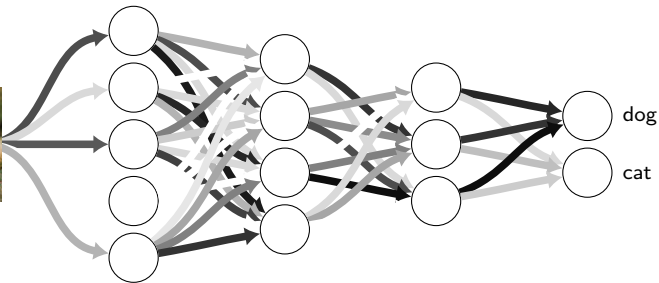
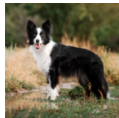
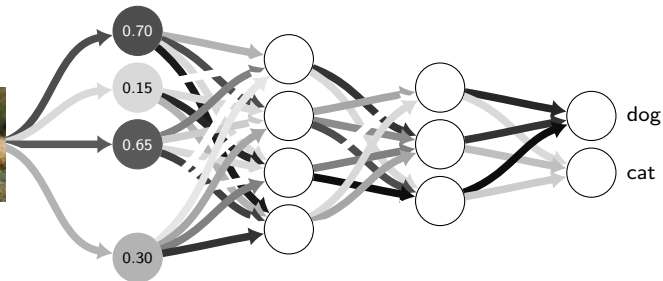
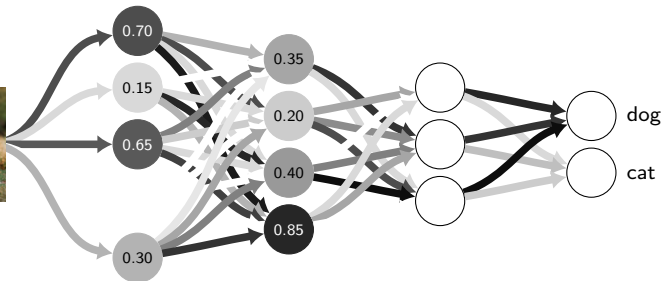
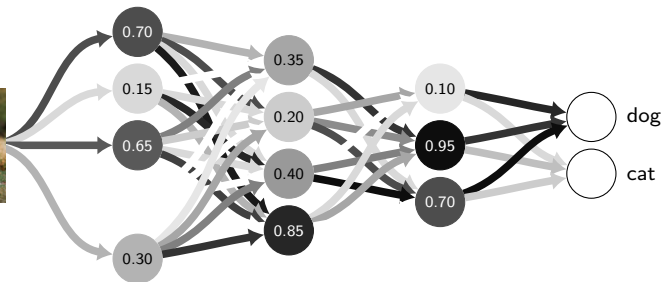


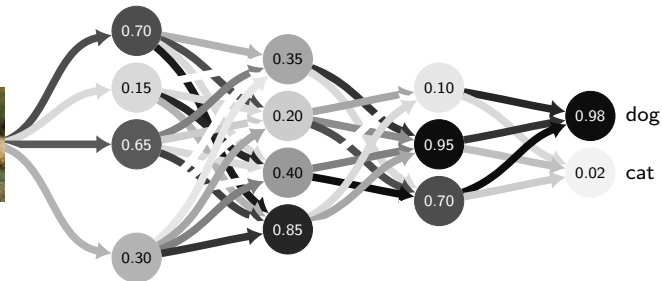
Imagenet-trained VGG19¹









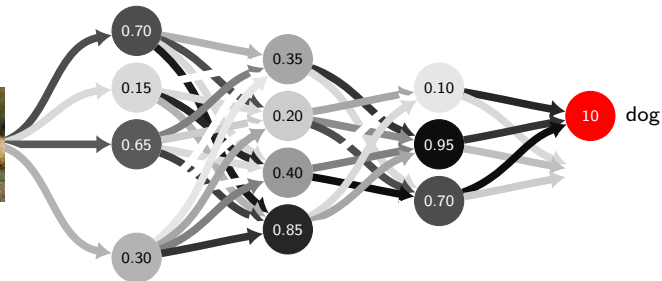


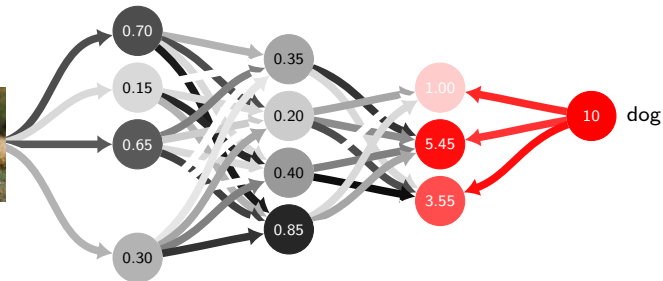
$$\text{LRP}^2: \quad R_j^l = \sum_k \frac{a_j w_{jk}}{\sum_{0,j} a_j w_{jk}} R_k^{(l+1)}$$

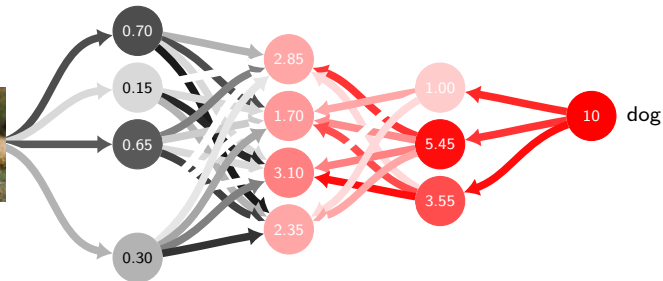
$$\text{LRP-0:} \quad R_j^l = \sum_k \frac{a_j w_{jk}}{\sum_{0,j} a_j w_{jk}} R_k^{(l+1)}$$

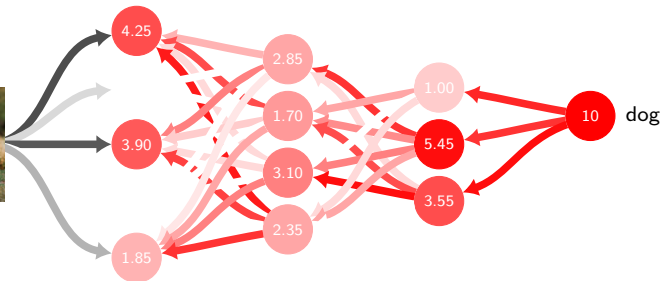
$$\text{LRP-}\epsilon: \quad R_j^l = \sum_k \frac{a_j w_{jk}}{\sum_{0,j} a_j w_{jk} + \text{sign}(a_j w_{jk}) * \epsilon} R_k^{(l+1)}$$

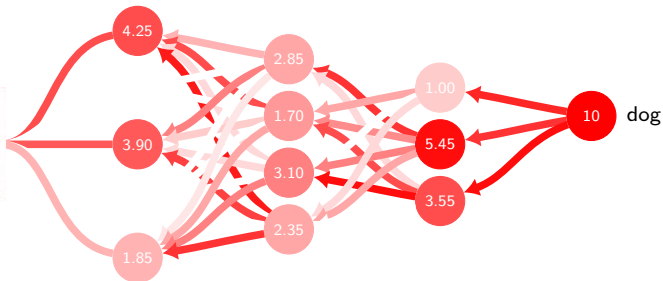
$$\text{LRP-}\alpha\beta: \quad R_j^l = \sum_k \alpha \frac{a_j w_{jk}^+}{\sum_{0,j} a_j w_{jk}} - \beta \frac{a_j w_{jk}^-}{\sum_{0,j} a_j w_{jk}} R_k^{(l+1)}$$

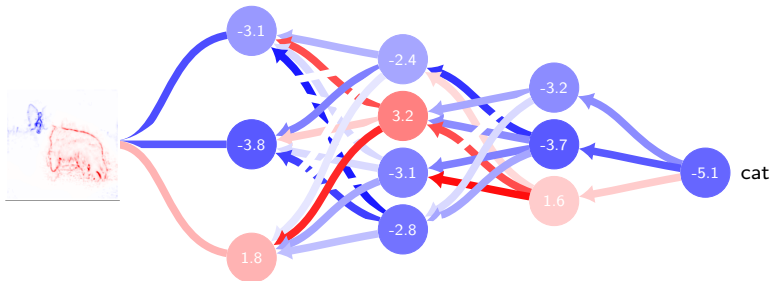


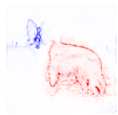




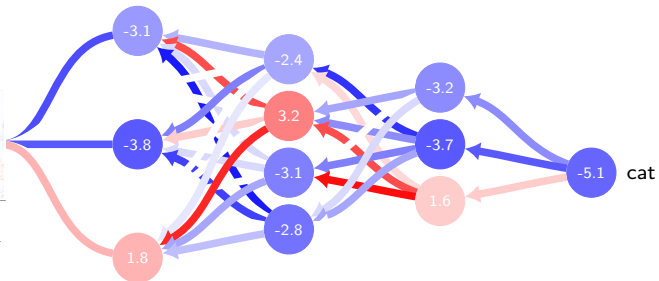


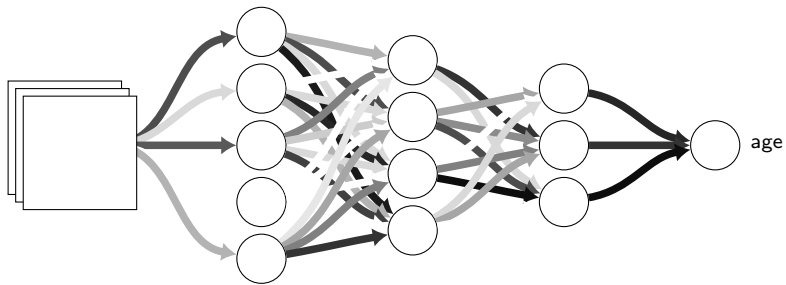






$$\sum_i R_i^0 = -5.1$$





Brain age SFCN³

