

# ICA

**Animals**

$$\left[ D \left( \begin{array}{c} \text{Spatial, Temporal} \\ x, y, z, t \end{array} \right) \right]_{n=1}^{n=10}$$

Apply ICA separately

10 sets of  
independent components

# Group ICA

$$D \left( \begin{array}{c} x, y, z, \textcolor{red}{n}, t \end{array} \right)$$

**Spatial Concatenation**

Apply ICA once

1 set of  
independent components