Composite Models

Many methods can be see as:

$$
\left.
\begin{array}{r}
\text{decision tree} \\
\text{logistic function} \\
\text{linear function} \\
\dots
\end{array}
\right\}
\text{ of }
\left\{
\begin{array}{l}
\text{decision trees} \\
\text{logistic functions} \\
\text{linear functions} \\
\text{kernel functions} \\
\text{lower dimensional subspace} \\
\dots
\end{array}
\right.
$$
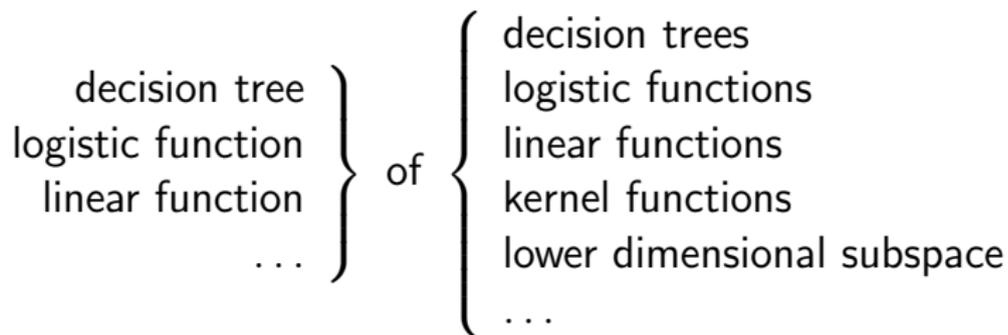
E.g., neural networks, regression trees, random forest, . . .
Some combinations don't help.