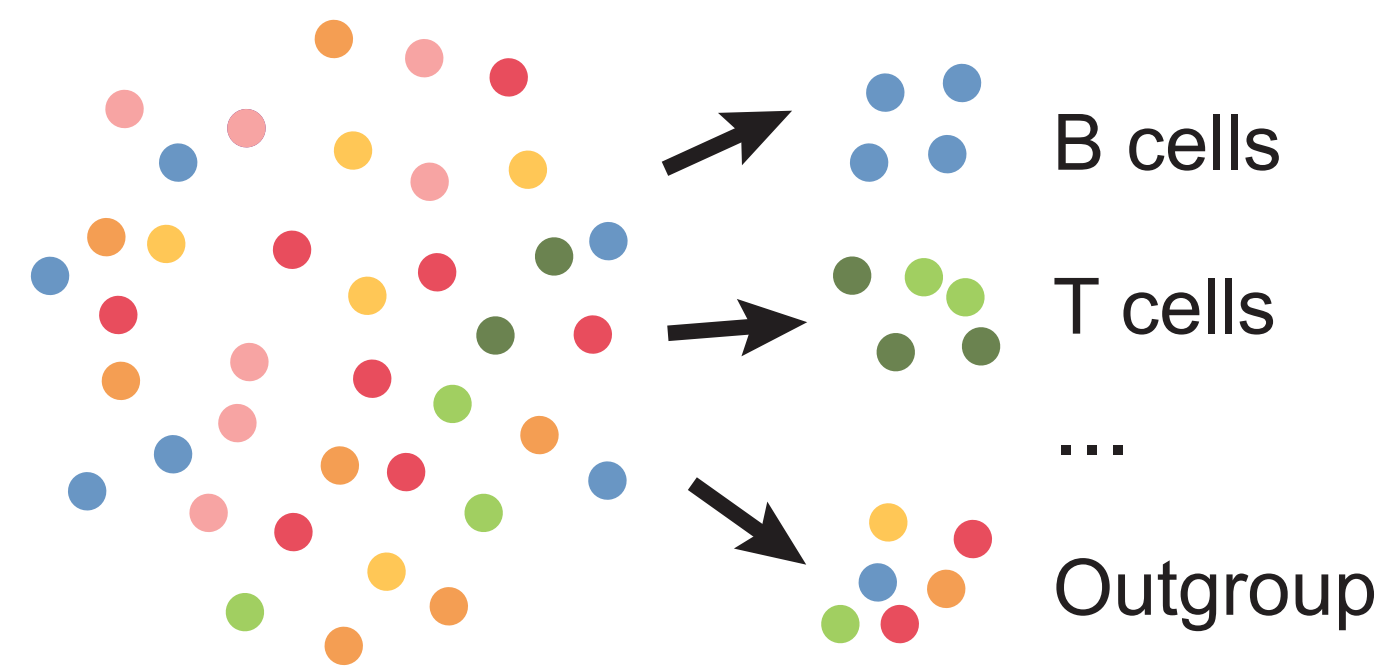


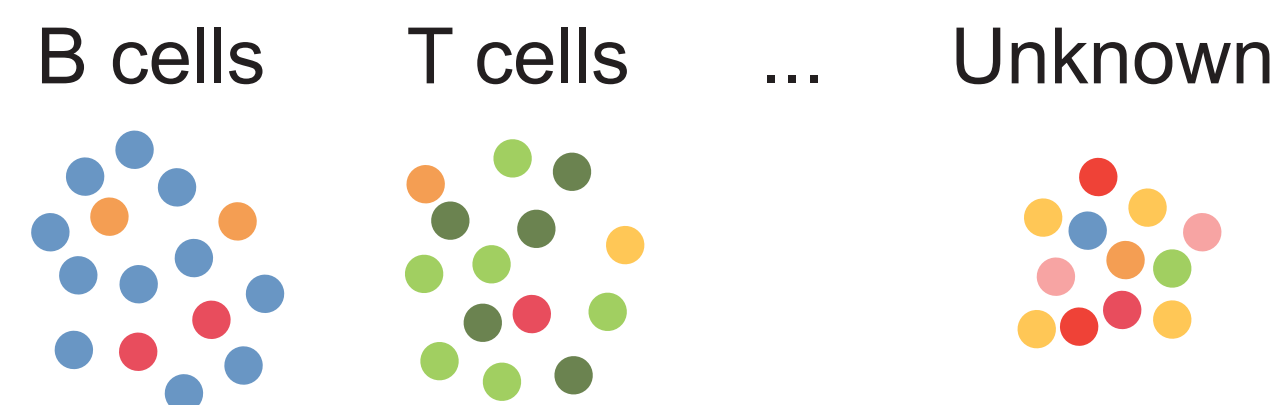
The classifier can be used on new datasets

Train at each node:

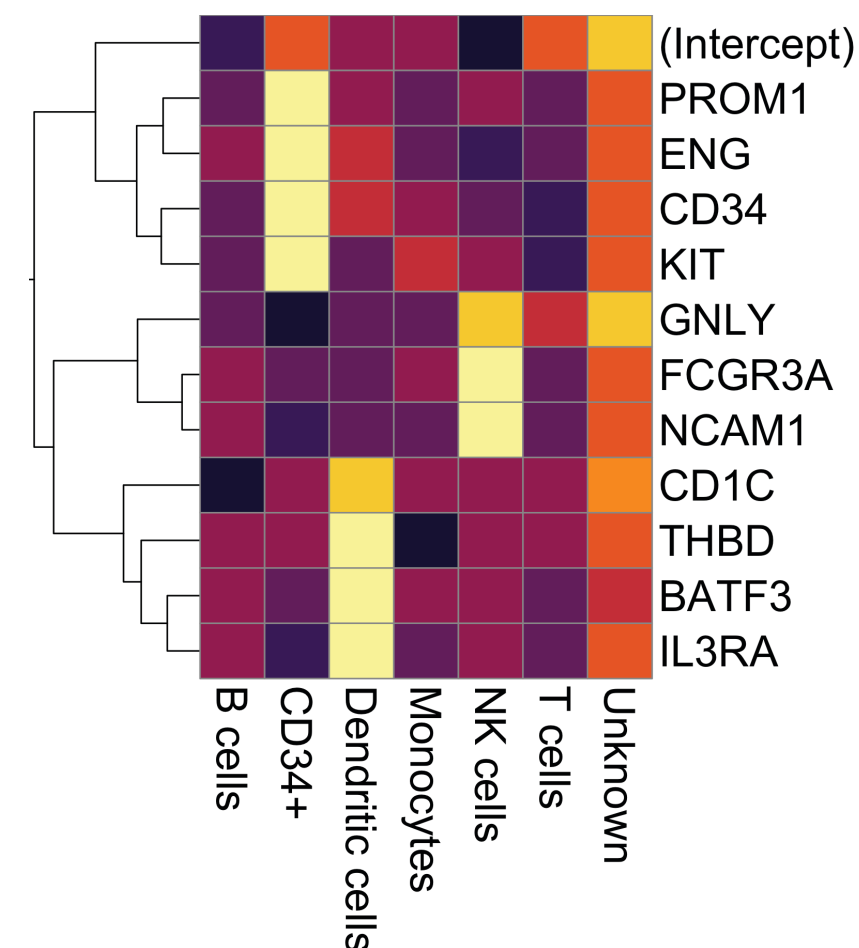
1. Find representative cells for child nodes using markers



3. Classify cells at permissive threshold

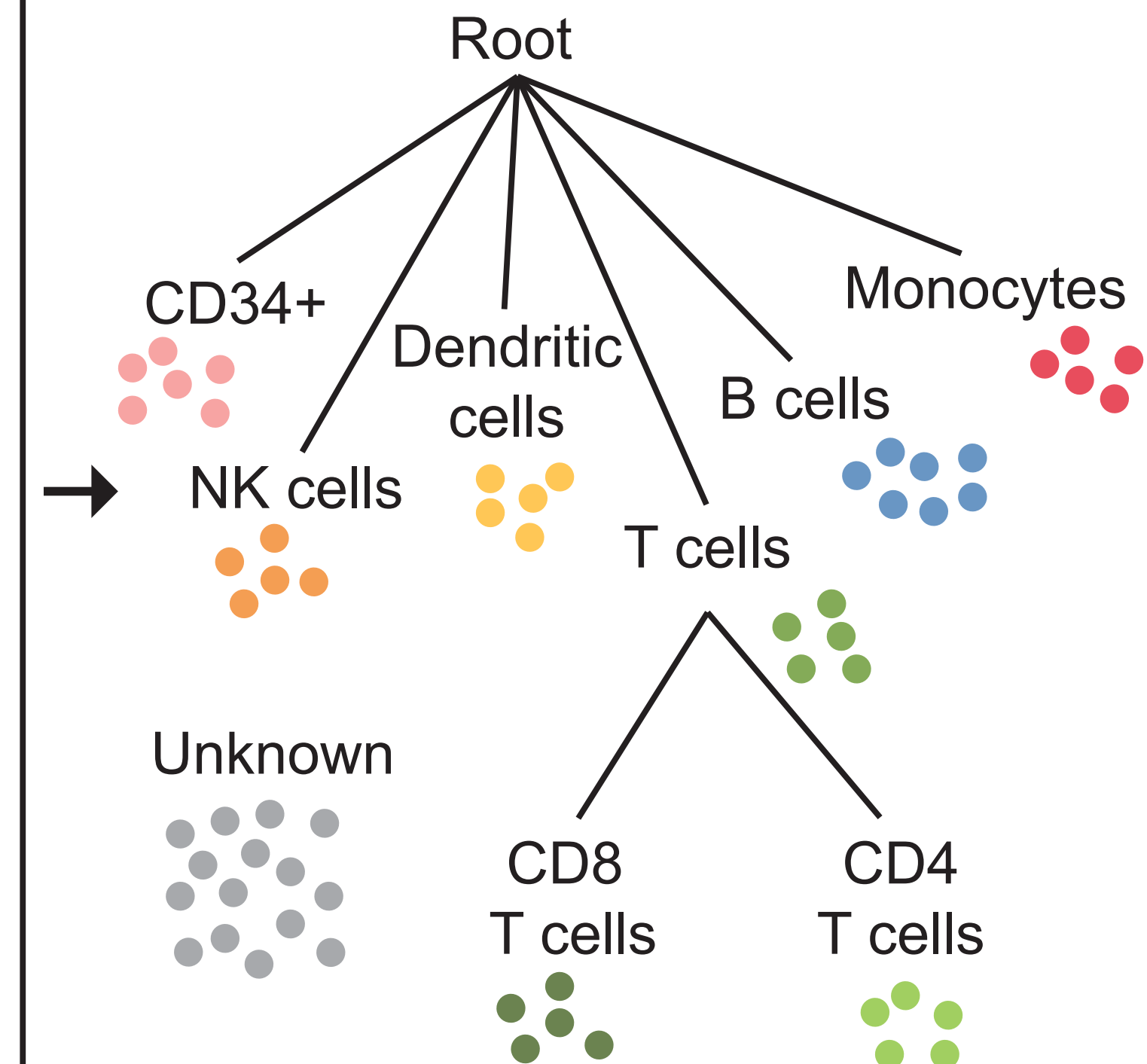


2. Train multinomial classifier (elastic net regression)



4. Repeat for nodes with further children

Hierarchically classify cells at strict threshold



Garnett (optionally) extends annotations to cell clusters

Hierarchically classify cells
at strict threshold

Optionally:
expand classification to similar
cells using cluster annotations

