

Available large generic data

vary data scale

vary model scale

**Pre-Training**  
*large-scale*

train

„One model for all“

(„foundation“ model)

$D_{\text{generic}}$

$M_{\text{generic}}$

Pre-trained „foundation“ model

Transfer

$D_{\text{specific}}$

$M_{\text{specific}}$

$S_{\text{specific}}$

„fine-tune“  
re-train

*efficient*  
(few-shot,  
zero-shot)

test

$D_{\text{specific}}$

$M_{\text{specific}}$

$S_{\text{specific}}$

„fine-tune“  
re-train

*efficient*  
(few-shot,  
zero-shot)

test

Smaller dataset

„freeze“

Smaller dataset

„freeze“