

## Stage 1



MIMIC III  
database

Domain adaptive pretraining

Frozen  
Pretrained  
weights

+

New  
LoRA  
adapter

Frozen  
Pretrained  
weights

+

Clinical  
LoRA  
adapter

## Stage 2

Frozen  
Pretrained  
weights

+

Clinical  
LoRA  
adapter

+

Task  
specific  
LoRA  
adapter

Original LLaMA model +  
Clinical LoRA adapter +  
Task specific LoRA adapter

Frozen  
Pretrained  
weights

+

Clinical  
LoRA  
adapter

+

New  
LoRA  
adapter

Supervised fine-tuning



RE Benchmark  
datasets