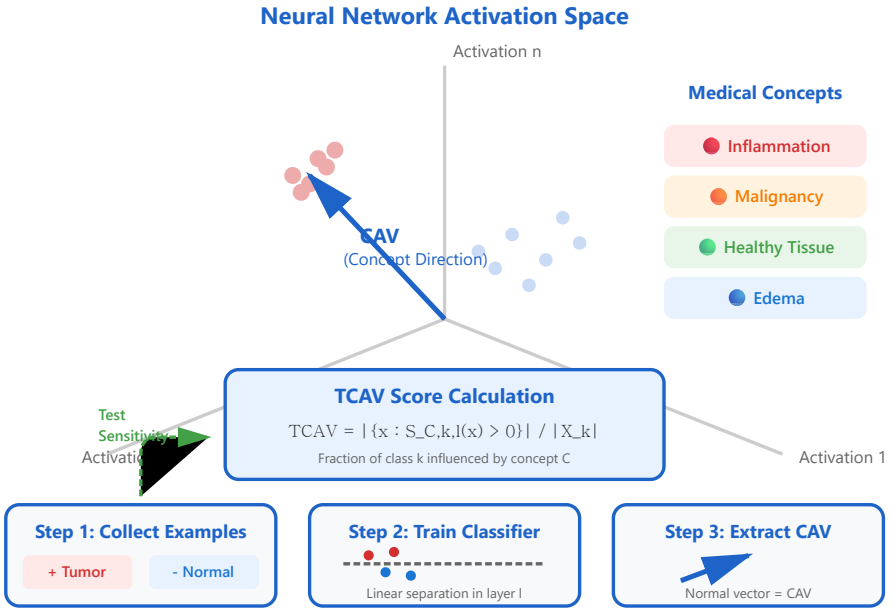
Concept Activation Vectors (CAV)



💡 High-level Concepts

CAVs test whether neural networks learn human-interpretable concepts

➡️ Direction Vectors

Concepts represented as directions in activation space

🧪 Sensitivity Testing

Measure how much a concept influences model predictions

🔬 Medical Validation

Verify if models use clinically relevant concepts