

Model Performance Tracking

Continuously monitor ML model performance in production to detect degradation



Classification Metrics

Track accuracy, precision, recall, F1-score

💡 Monitor diagnostic accuracy



Inference Latency

P50, P95, P99 response times

💡 Real-time diagnosis < 2s



Throughput

Requests/sec, batch processing rate

💡 Handle peak clinic hours



Error Rates

Failed predictions, timeout errors

💡 Alert if errors > 1%



Calibration

Predicted probabilities vs actual outcomes

💡 80% predictions = 80% accurate?



Fairness Metrics

Performance across demographic groups

💡 Equal accuracy across groups



When to Alert



Accuracy drops > 5%



Latency exceeds SLA



Error rate spikes



Calibration drift