

## 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