

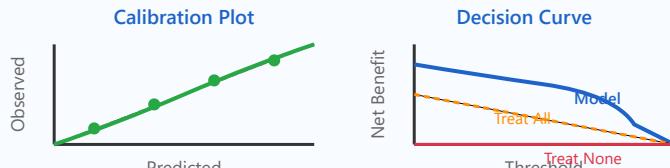
Clinical Risk Scores

Translate complex models into simple, actionable scoring systems

Development Pipeline

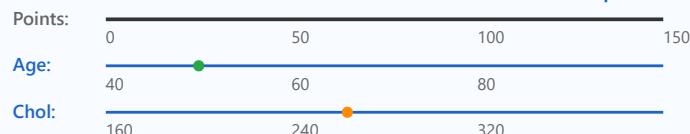
- 1 Select Predictors Clinical relevance + Statistics
- 2 Fit Regression Logistic/Cox regression
- 3 Convert to Points $\beta \rightarrow$ Integer scores
- 4 Create Tool Nomogram/Calculator
- 5 Validate Externally Different population

Validation Metrics



Performance Requirements:

- C-index > 0.7
- Good calibration
- Net benefit +
- External val



Total: 75 points
→ 15% 10-year risk

Low Med High

Risk Categories

✓ Clinical Examples

APACHE II (ICU mortality) • Framingham Risk Score (CVD) • MELD Score (liver transplant) • GRACE Score (ACS) • CHA₂DS₂-VASc (stroke risk)