Clinical Risk Scores

Translate complex models into simple, actionable scoring systems

Development Steps

1. Select predictors (clinical + statistical)
2. Fit regression model
3. Convert coefficients to points
4. Create nomogram or web calculator
5. Validate externally

Validation Requirements

- Calibration plots (predicted vs observed)
- Decision curve analysis
- External validation cohort
- Sensitivity/Specificity at cutoffs
- Net benefit assessment

✓ Clinical Examples

APACHE II (ICU mortality) • Framingham Risk Score (CVD) • MELD Score (liver transplant) • GRACE Score (ACS)