The Napkin Formula for Texas 42

$$E[V] \approx 14 + 6 \times (\text{n\_doubles}) + 3 \times (\text{trump\_count})$$

where: n_doubles = number of doubles in hand (0-7)

trump_count = number of trumps (0-7)

Examples:

Weak Hand	Average Hand	Strong Hand
0 doubles, 1 trump	2 doubles, 1 trump	3 doubles, 2 trumps
E[V] ≈ 14 + 0 + 3 = 17	E[V] ≈ 14 + 12 + 3 = 29	E[V] ≈ 14 + 18 + 6 = 38

Key Insights:

- Each double adds ~6 points to expected value
- Each trump adds ~3 points
- Doubles matter twice as much as trumps
- Model explains ~26% of variance ($R^2 = 0.26$)

Note: This is a simplified model. Actual outcomes depend on opponent hands and play.