Sports Underdog PSMT – Eden Tomes

# Heading:

## Subheading:

* Dot point
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(Caption)

Assumption examples:

* ‘Weak’ vs strong competitor
* Numbers of rounds should vary – fewer vs more, a variation of rounds/points gives more precise patterns/trends

Use current teams of differing strengths as examples, do simulations for different numbers of rounds

Calculations for win percentage, run simulations

Introduction: background of task – sport, observations

Method: simulation, variables, approach, theoretical probability using combination/permutations

Results: state, summarize, graphs.

Discussion: Conclusion – critique/limitations of model, method, results vs real-world

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| **Series Length:** | **Calculated Binomial (Theoretical) Probability:** | **Trials Won by Weaker Team (out of 1000):** | **Percentage of**  **Trials Won:** |
| 7-game (first to 4) | 28.98% | 307 | 30.70% |
| 5-game (first to 3) | 31.74% | 327 | 32.70% |
| 3-game (first to 2) | 35.20% | 377 | 37.70% |



