|  |  |  |  |
| --- | --- | --- | --- |
| Model name | C | E | R |
| Dynamic win probability | *C(t)* | $$p\left(t\right)H\left(t\right)+\left(1-p\left(t\right)\right)L\left(t\right)$$ | A(t) - E(t) |
| No Certain term | None | $$\frac{H\left(t\right)+L\left(t\right)}{2}$$ | A(t) - E(t) |
| Outcome as expectation | *C(t)* | A(t-1) | A(t) - E(t) |
| Dynamic win probability and no Certain term | None | $$p\left(t\right)H\left(t\right)+\left(1-p\left(t\right)\right)L\left(t\right)$$ | A(t) - E(t) |

**Supplementary File 2**: The formulation of alternative variants of the Recency model.