What is Hindsight IBNR?

(For P&C Insurance)



Definition #1

Hindsight IBNR is the amount of IBNR that *would have been* indicated at a specific evaluation date *if* ultimate loss was selected equal to that at the later evaluation date.

Hindsight IBNR_{Old Eval} = Ult Loss_{New Eval} - Incurred Loss_{Old Eval}

Definition #2

Hindsight IBNR equals IBNR at a specific evaluation date, adjusted to reflect the benefit of hindsight, specifically with respect to the change in selections of ultimate loss since the original evaluation date.

Hindsight IBNR_{Old Eval} = IBNR_{Old Eval} + (Ult Loss_{New Eval} - Ult Loss_{Old Eval})

Reconciling the Definitions

In definition #1, substitute the following definition of Incurred Loss OldEval:

Incurred Loss_{Old Eval} = Ult Loss_{Old Eval} - IBNR_{Old Eval}

After doing so, definition #1 easily reconciles to definition #2:

Hindsight IBNR_{Old Eval} = Ult Loss_{New Eval} - Incurred Loss_{Old Eval}

= Ult Loss_{New Eval} - (Ult Loss_{Old Eval} - IBNR_{Old Eval})

 $Hindsight IBNR_{Old Eval} = IBNR_{Old Eval} + (Ult Loss_{New Eval} - Ult Loss_{Old Eval})$