Information Value Calculation for Binary Dependent Variable

- Page 2 shows Information Value Calculated by info_bin.sas
 - The ranges are determined by even accounts (about 10% each). The WOE* has zigzag trend (so does ODDS).
 - The information value is higher than that on page 3/4 because the noise has not been smoothed out.
- Page 3 shows Information Value Calculated by info_binn.sas with &PEAKS=1
 - &PEAKS=1 (default) allows WOE to have at most ONE peak (maximum/minimum value) along positive side (or negative side). Range >2.5 3.0 is a peak (minimum).
 - The significant digit was set to 2 and the ranges look better than those by info_bin.sas.
- Page 4 shows Information Value Calculated by info_binn.sas with &PEAKS=0
 - &PEAKS=0 allows WOE to have no peak at all along positive side (or negative side), which
 means that WOE must be monotonic along either positive side or negative side.
 - The significant digit was set to 3 and the ranges look better than those by info_bin.sas.

Note: Information Value of page 2 is greater than Information Value of page 3 since the noise is not smoothed out, and

Information Value of page 3 is greater than Information Value of page 4 since &PEAKS=0 will force WOE to be monotonic.

*: WOE = Weight Of Evidence, see definition on page 2.





