

Blackjack Card Counting

Developed by George Joseph - Worldwide Casino Consulting

```

C:\ BASIC.EXE
*****COMPUTER CARD COUNT PROGRAM*****
          2 DECK GAME
ENTER CARDS..0,1,2,3,4,5,..As You See Them..PRESS..(R)..For Reshuffle
PRESS....Y or = '...For Each BET That Matched the 'MONEY COUNT'
PRESS....N or - '...For Each BET NOT Matching the 'MONEY COUNT'
PRESS.....C '.....For Each 'CORRECT' Strategy Decision
PRESS.....I '.....For Each 'INCORRECT' Strategy Decision
PRESS...<S> For Strategy Help..<D>..Different # of Decks..<E>..To END

BASIC  TRUE  TOTAL  VALUE  STRATEGY  WAGER  BASIC  ADU  ACE  ADU  #
(+ -)  COUNT  CARDS  OF     CORRECT  CORRECT  MONEY  TRUE  ADJ  RUNNING  OF
COUNT 1/2DK DEALT  CARDS  <C  I>  <=  ->  COUNT  COUNT  COUNT  COUNT  ACES
          <C / I>  <Y / N>

-----
1      0.5    8      9      11  2      11  1    FLAT  0.0   -0.6    0      1
-----

INSURANCE Count is 'MINUS'.....Should NOT INSURE Any Hand
    
```

Version @ 1980

Version @ 2021

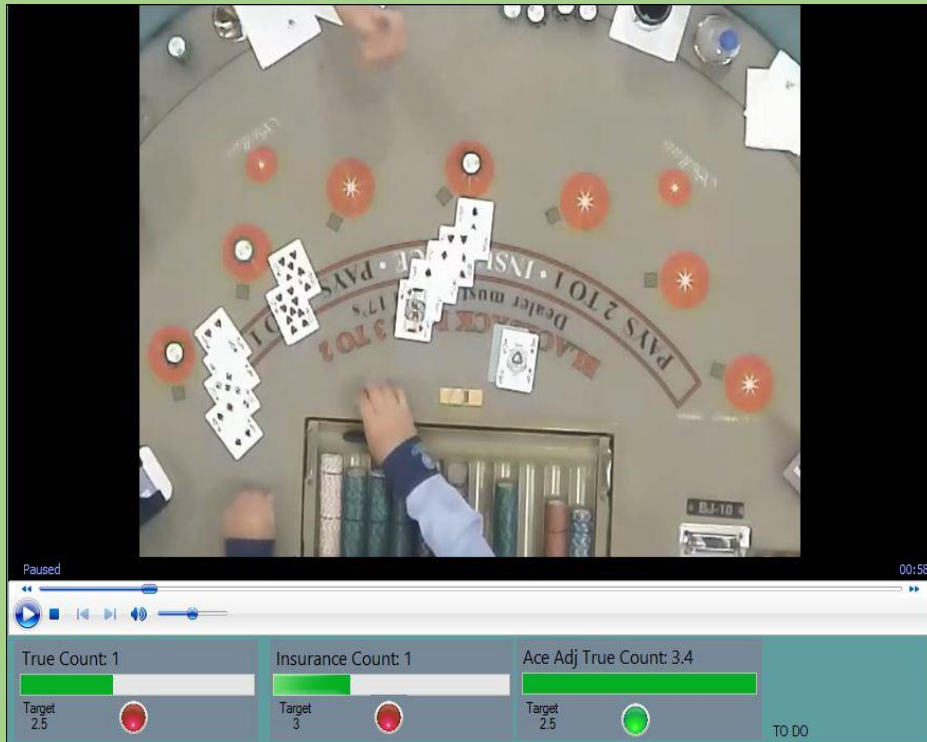
Blackjack Card Count

Quick Reference Guide

- This version is user friendly and allows for surveillance video to be inserted...Card Values can be input with a mouse or keyboard arrows...
- Card Counters don't typically deal in decimal points...(Most card count programs do)...This version was designed to think more like a person, rounding up instead of using decimals...Indicator Lights Often Show in Graded Colors on "Close Counts"...Red Yellow Green
- Notice also a definitive Insurance Count and Ace Adjusted True Count for determining Insurance Wagers and Bet Size
- This program helps eliminate Inconclusive Reports by alerting surveillance when the Ace Adjusted Count for wagering purposes is in opposition to the True Count. Notice a True Count of **+3.37**, but a Minus Ace Adjusted Count. This Ace Adjusted Count would prompt a small wager.



- Below are examples of when a Card Counter (Adjusting for Aces) might make a large wager even though the True Count is Flat or Minus...



Notice a Flat True Count and Insurance Count... **Plus 1**
But a Plus Ace Adjusted True Count would prompt a Big Bet



- Lights Alert in **Red**...**Yellow**...or **Green** for various counts. A Yellow Alert Light means...“Be Cautious” in your analysis.

2. 3. 4. 5. 6
+ ←
Remaining: 26

7. 8. 9
0 ↓
Remaining: 12

10. J. Q. K
- →
Remaining: 26

Ace
A ↑
Remaining: 7

Number of Decks
2

Aces
Ace Adjusted Running Count: 11
Ace Adjusted True Count: 8.8
Expected Remaining Aces: 5
Remaining Aces: 7
Ace Balance: 2
Rich

Counts
Running Count: 7
True Count: 5.6
Rounded True Count = 0.00000

Cards Remaining: 71
Decks Remaining: 1.37
Rounded Decks Remaining: 1.25

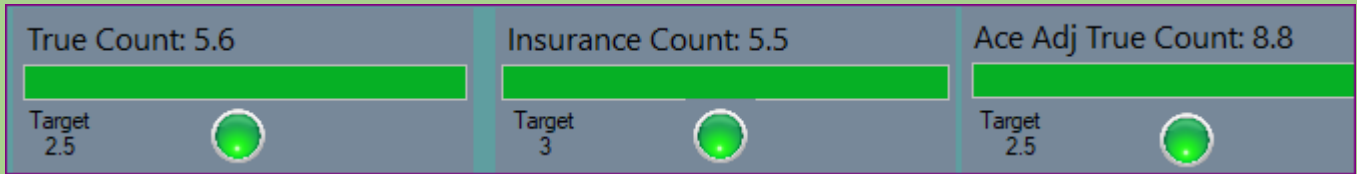
Video Controls
PLAY
+2s +5s +10s
- 2 s - 5 s - 10s

UNDO Shuffle

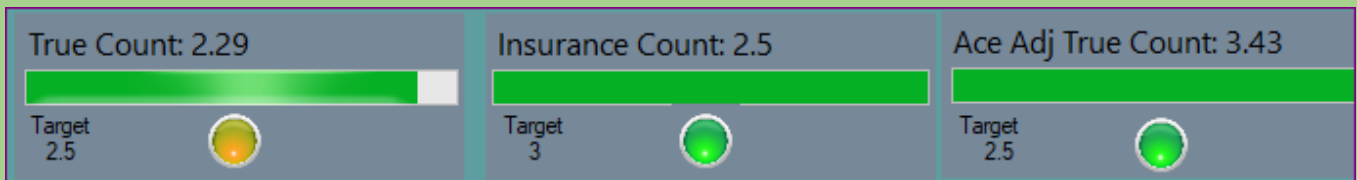
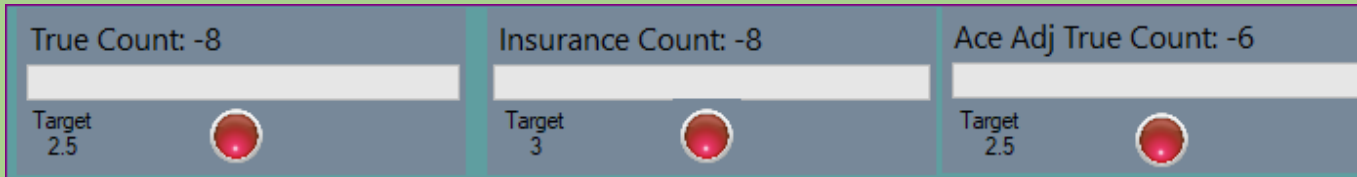
Played Cards
,Neu ,Neu ,Neu ,Neu ,Neu ,Minus ,Minus ,Plus ,Minus,

- The number of Decks in play is entered
- Card Values can be input with a mouse or keyboard arrows
- When entered, the index values populate at the bottom
- Various Count Indexes are displayed...Running & True Count
- Video can be advanced or backed-up by 2, 5 or 10 seconds
- Entry errors can be easily corrected by clicking Undo
- The Number of Cards remaining is displayed

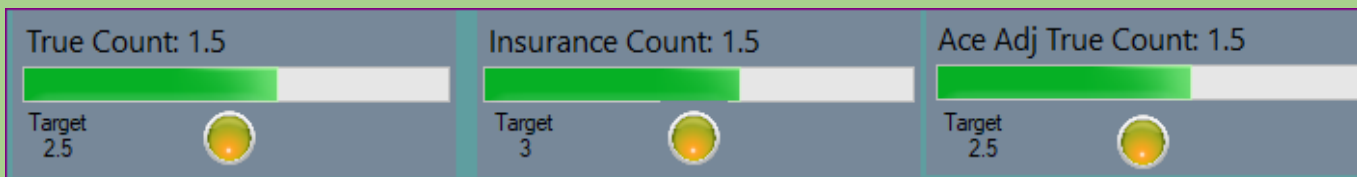
Many Card Counts will be easy to assess...



“No Brainers” ...Such As Above & Below

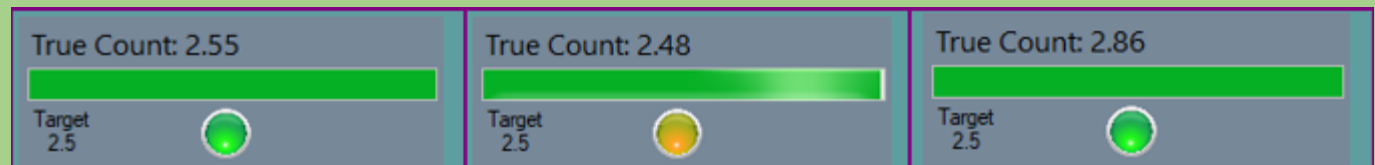


Notice Yellow Alert...The Computer says +2.29 a Counter May Round Up



Yellow Alert Lights simply mean be cautious in your assessment

“Why Not Decimal Points”



Notice the program sets the Target Count at +2.5...Not +3.0

Card Counters don't think +2.55 or +2.48 or +2.86...They Typically Round Up...
In the above examples, the Computer Program (and actual True Count) have not reached +3.0...But a Card Counter (without using a device) rounding up, does...

I feel the “Close Call” Alerts are helpful when considering the overall complexity of Card Counting when combined with all elements...Perfect Basic Strategy and Deviations from Basic and Cover Play...

Double Deck Blackjack

Double Deck Blackjack is far more volatile than Multi-Deck Blackjack for the following reasons;

- The Running & True Card Counts can swing drastically from one Round to the next...So just a few cards in Double or Single Deck can affect the card count, unlike Multi-Deck games where typically there are not enough cards played in one round to take the Count from Minus through Flat and into Plus or vice-versa.
- Basic Strategy mistakes at the beginning of a Multi-Deck game are costly for the card counter, but not nearly as costly as in a Double Deck game. (Mis-playing an Ace at the beginning of a Multi-Deck game is bad for a player...But worse for a Double Deck player.)
- Adjusting for Aces is far more critical in Single or Double Deck Blackjack.
- The element of time is on the side of a card counter in Double Deck play. Although on average, Plus, Minus and Flat card counts occur with the same approximate frequency in both game types, a Double Deck player doesn't need to spend time sitting through long Minus or Flat shoes waiting to see if the Count turns around and goes Plus. Obviously, the tradeoff is that once True Plus Counts are encountered in Multi-Deck games, they may last longer...but a card counter must wait for those times.
- The Techniques of Shadow Counting & Back Counting favor the Double Deck counter for much the same "Time" element. Standing behind a Multi-Deck game for long periods of time and then "Jumping In" becomes fairly obvious. It may only take a couple of rounds in a Double Deck game for the opportunity to Jump In on a Plus Count...Less Time.
- The House's starting Mathematical Advantage in Single & Double Deck Blackjack is typically lower for the player than in Multi-Deck Games.
- Such techniques as "Card Eating" (spreading more hands with small wagers at the beginning of a game to draw out more cards and assess the count) favors the Double Deck.
- Hole Card Play ("Hole Carding") occurs far more often in Double Deck games where dealers may be sloppy or negligent in their procedures for burying the Down Card. "Picking Off" the Hole Card (even occasionally) will produce deviations in Basic Strategy play, which can become misleading for casino and surveillance during "Skill Checks".

Other Card Count Issues To Consider

- Is the customer playing Simple Basic Strategy?" ...Or The Illustrious 18 deviations?"
"Is the customer playing advanced deviations on the Plus Side or Minus Sides?"
Is the customer's deviation from Basic a Camouflage or Cover Play?" ...or Depth Charging?"
"Is the play a composite dependent decision...or an exception to the composite total?"
"Is the customer "Playing the Suit...?" ...Plays The "Iggy" when the floorperson is present.