



**Blackjack Insurance "Side Bet"**

Bet Amount	\$5.00	Total Possibilities	13
Win Probability	30.769%	Win Possibilities	4
Payout (x:1)	2.00	Loss Possibilities	9
Win \$	\$10.00		
Loss \$	(\$5.00)		
Win \$EV	\$3.0769		
Loss \$EV	(\$3.4615)		
<b>Long-term EV</b>	<b>-\$0.3846</b>		

**American Roulette "Straight-Up" Bet**

Bet Amount	\$1.00	Total Possibilities	38
Win Probability	2.632%	Win Possibilities	1
Payout (x:1)	35.00	Loss Possibilities	37
Win \$	\$35.00		
Loss \$	(\$1.00)		
Win \$EV	\$0.9211		
Loss \$EV	(\$0.9737)		
<b>Long-term EV</b>	<b>-\$0.0526</b>		

**Probability of Crapping Out After the Point Is Established**

<b>P: Rolling a 7</b>	<b>16.667%</b>	<b>Note:</b> Expect a 7 once every six rolls on average.							
<b>Roll #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>P: Not crapping</b>	83.333%	69.444%	57.870%	48.225%	40.188%	33.490%	27.908%	23.257%	19.381%
<b>Odds (x:1) against crapping</b>	5.000	2.273	1.374	0.931	0.672	0.504	0.387	0.303	0.240