1. Relative frequencies for the Card Values for a Single Draw

MEAN = 6.54

MEDIAN =7

STANDARD DEVIATION = 3.15

1. 3 Card Sums:

Observations:

21

21

18

17

20

27

13

16

16

15

17

20

21

7

30

21

23

16

20

30

16

21

30

23

18

23

21

22

15

13

Mean: 19.7

Median: 20

Mode: 21

Q1 : 16

Q3 : 21.5

IVR : 5.5

Standard Deviation: 5.1325

1. 90% of the values will fall within 26.26.

This can be justified by:

For P(0.9) , Z is 1.28.

1.28 = (X – 19.7)/5.1325

Thus X = 26.26

For a Draw Value of at least 20 , Probability is 0.4761.

Z(20) = (20-19.7)/5.1325

= 0.06

Thus Probability of at least 20 is 1 – P(.06) = 1 - 0.5239 = 0.4761