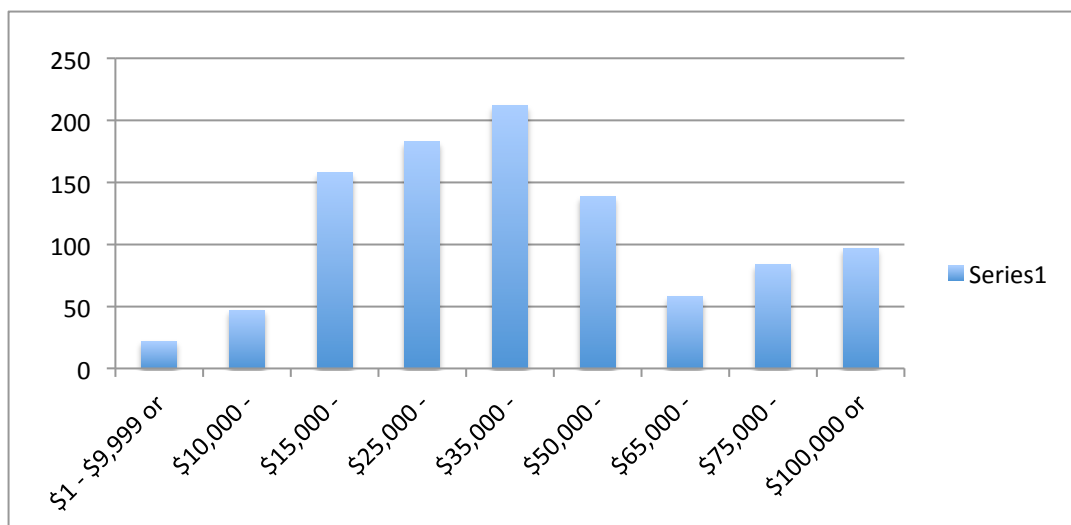


Card game	1	2	3	4
x (money value)	\$0	\$5	\$10	\$30
P(X = x) (probability)	0.5	0.25	0.23076923	0.01923077
x*P(X = x) (expected outcome)	\$0	\$1	\$2.31	\$1
x - m (mean deviation)	-\$4	\$1	\$6	\$26
(x - m)^2 (variance)	\$16	\$1	\$36	\$676
((x - m)^2)*P(X = x) (weighted variance)	\$8	\$0	\$8.31	\$13

Baggage fees	1	2	3	Total
y (money value)	\$0	\$25	\$60	
P(Y = y) (probability)	0.54	0.34	0.12	
y*P(Y = y) (expected outcome)	\$0	\$9	\$7	\$16
y - m (mean deviation)	-\$16	\$9	\$44	
(y - m)^2 (variance)	\$256	\$81	\$1,936	
((y-m)^2)*P(Y = y) (weighted variance)	\$138.24	\$27.54	\$232.32	\$398.10
				19.9524435

Income and gender	per 1,000
\$1 - \$9,999 or less	22
\$10,000 - \$14,999	47
\$15,000 - \$24,999	158
\$25,000 - \$34,999	183
\$35,000 - \$49,999	212
\$50,000 - \$64,999	139
\$65,000 - \$74,999	58
\$75,000 - \$99,999	84
\$100,000 or more	97



Total

\$4

\$30

5.43669866