

Question #140

Key: A

For the given intervals, based on the model probabilities, the expected counts are 4.8, 3.3, 8.4, 7.8, 2.7, 1.5, and 1.5. To get the totals above 5, group the first two intervals and the last three. The table is

Interval	Observed	Expected	Chi-square
0—500	3	8.1	3.21
500—2498	8	8.4	0.02
2498—4876	9	7.8	0.18
4876—infinity	10	5.7	3.24
Total	30	30	6.65