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Part A

1. The proportion of families that are female-headed is .206, the standard error is 0.01800136, and the confidence interval is (0.170718, 0.241282).
2. The mean of the number of children in a family was .942, the standard error was 0.05271498, and the confidence interval was (0.8386805, 1.0453195).
3. The proportion of families in which the head of the family had no high school diploma was .23, the standard error was 0.01873142, and the confidence interval was (0.1932871, 0.2667129).
4. The mean income was 40363.21, the standard error was 1352.976, and the confidence interval was (37711.43, 43015.00).

Part B

The proportion of confidence intervals that contained the population target was .93.

The normal curve fits the histogram very well. However, I performed this sampling process many times and not all of the curves were good fits. This distribution, though, is approximately normal.

