A Statistical Analysis of Family-Friendly States

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A Real World View of Applied Math and Statistics

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Abstract:

This paper explores the affordability, safety, and the quality of education systems of the fifty

states of America and compares them against each other through the use of statistics. The goal of

this experiment was to get an idea of which state is the best one for a family to live in. This is

discovered through the use of hypothesis testing. Because there are so many states, mean

incomes and cost of living prices for an average family were compared to get the top ten states.

These ten states were then more closely compared by looking at their crime, graduation, and

unemployment rates. For each of these categories, the ten states were ranked. These ranks were

then averaged to get the final results. In conclusion, it was discovered that the top three states for

a family to live in were New Hampshire, Virginia, and Nebraska.