Experiment

1. A psychologist is conducting a field experiment to investigate if the presence of a police car causes motorists to slow down. The psychologist measures the speed of motorists using a hand-held speed camera. Using a systematic sample, the psychologist measures the speed of 20 motorists with a police car present, and another 20 motorists without a police car present. The psychologist then calculated the range of speeds for both conditions.

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|  | Range of speed in miles per hour |
| Police car present | 8 |
| Police car absent | 17 |

(PY2, Jan 2012)

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