

TITLE: Factor Analysis of Driver Record

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PROJECT OBJECTIVE:

To examine 18 variables and reduce them to a smaller number of representative basic dimensions.

SUMMARY:

Driver record data such as accidents, types of violations, license restrictions, and age were collected for approximately 43,000 males and 30,000 females for the period 1961-1963. Factor analyses of both the three-year concurrent and non-concurrent records revealed three driver record factors: (a) moving violation-descriptive of actual driving behavior and the types of errors made by drivers; (b) non-moving violation-reflecting the condition of the vehicle and other technical violations of the law, rather than driving behavior itself; and (c) paired accident-convictions-reflecting legal responsibility for an accident. It was felt that the results of this study substantially confirmed most researchers' a priori idea of the factorial structure of accident and violation data.

IMPLEMENTATION STATUS OF FINDINGS AND RECOMMENDATIONS:

None.

SUPPLEMENTARY INFORMATION:

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