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## SERVICE SATISFACTION OF THE EMPLOYEES OF THE SYSTEM OF THE MIA UKRAINE: STATE BEFORE REFORMS<sup>9</sup>

*Paper presents the results of logistic regression, the method of group account of arguments, induction of algorithm rules and classification tree algorithm QUEST, which explain the level of satisfaction of the Ukrainian Interior Ministry employees. As an empirical basis data from a public opinion poll, conducted in five regions of Ukraine in October 2015 is used. It was found that the multivariate statistical models have approximately the same high accuracy (about 70 % of the sample objects are classified correctly). More laconic classification model are classification tree and the Group method of data handling. Each of statistical models defines its own set of the best explanatory variables. Common to all of them is the release of the stable operation of a service satisfaction factor.*

**Keywords:** *satisfaction with service, police, logistic regression, group method of data handling, rules induction, classifications trees.*

### REFERENCES

1. Chan J., Bennet-Moses L. Is Big Data challenging criminology? // Theoretical Criminology (Published online). – 2015. – 19 May. – 19 p.

### СПИСОК ВИКОРИСТАНИХ ДЖЕРЕЛ

1. Chan J., Bennet-Moses L. Is Big Data challenging criminology? // Theoretical Criminology (Published online). – 2015. – 19 May. – 19 p.

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<sup>9</sup> Continuation. Begin in the previous issue.