

ABSTRACT

Master's thesis: 107 p., 25 tabl., 20 images, 2 appendixes, 35 sources.

Object of research is wrestle with crime in Ukraine.

The subjects of research is fighting crime using information technologies.

The purpose is to develop the algorithm to predict crime and implement it.

The method of research is to build forecasting models using method of similar trajectories.

Explanatory note consists of four sections. In the first section investigates and analyzes existing approaches in the fight against crime, and available information technologies. The second section deals with a number of mathematical methods which build forecasts. The architecture of the developed application is described in the third part. The fourth section about startup project development.

INFORMATION SYSTEM, SIMILAR THRAJECTORIES, REGRESSION, AUTOREGRESSION, FORECASTRING, CRIME