

BAYESIAN BELIEF NETWORKS FOR RISKY BEHAVIOR RATE ESTIMATES

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We consider a problem of socially significant behavior rate estimates in terms of Bayesian belief networks. We offer an approach to the risky behavior modelling on the base of data about behavior episodes. We describe the model and provide results of applying the model to statistical data. Our findings show that these results are applicable to further decision making.

Keywords: risky behavior, last episodes, Bayesian belief networks, probabilistic graphical models.

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