

Project Proposal

Title: Drug Consumption

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CPSC 483-01 Data Mining

Date: 09/30/2018

Drug consumption (quantified) Data Set

2016-10-17

Owners:

1. Elaine Fehrman
2. Vincent Egan
3. Evgeny M. Mirkes

Relevant Papers:

1. E. Fehrman, A. K. Muhammad, E. M. Mirkes, V. Egan and A. N. Gorban, "The Five Factor Model of personality and evaluation of drug consumption risk.," arXiv [\[Web Link\]](#), 2015

Link: <https://archive.ics.uci.edu/ml/datasets/Drug+consumption+%28quantified%29>

Summary:

We have a data set that contains the various personality traits and different levels of drug consumption of various drugs. 1,885 people we're surveyed so we have 1,885 different instances. We will evaluate the participants based on this information. The task of this project will be classification. We will use algorithms learned in class to process this data.

Data Set Information:

1885 Instances

32 Attributes

Key attributes:

1. Drugs questioned: alcohol, amphetamines, amyl nitrite, benzodiazepine, cannabis, chocolate, cocaine, caffeine, crack, ecstasy, heroin, ketamine, legal highs, LSD, methadone, mushrooms, nicotine
2. Personality Measurements: neuroticism, extraversion, openness to experience, agreeableness, and conscientiousness, impulsivity, sensation seeking
3. Others: level of education, age, gender, country of residence and ethnicity