





INTRODUCTION

PROBLEM - SOLUTION - MARKET pyCHEDELICS PRO

03 04

PRODUCT OVERVIEW

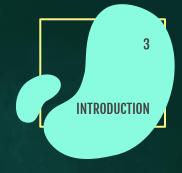
START DEMOGRAPHIC PERSONALITY SCORES RISK LINKS PREDICTIVE MODEL

PERSONALITY ANALYSIS PREDICTIVE MODEL

CONCLUSION

CONCLUSION **FUTURE WORK**

INTRODUCTION





THESIS

People have different vulnerabilities to drugs based on their character



SOLUTION

pyCHEDELICS PRO APP

helps you learn about yourself and drugs, to prevent you from harm



TARGET GROUP

- KMDD e.V. (Keine Macht den Drogen),
- **BZgA** (Bundeszentrale für ges. Aufklärung), ...

INTRODUCTION

pyCHEDELICS PRO

is an learn & prevention App

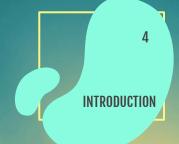
based on a psychological dataset

using NEO-FFI-R, BIS-11, ImpSS standardized questions for personality evaluation

predicts your vulnerability to Soft, Medium, and Hard drugs

links to learning material about drugs and prevention







PERSONALITY ANALYSIS



Neuroticism Extraversion

Agreeableness Conscientiousness Openness to experience

sensitive/nervous vs. secure/confident outgoing/energetic vs. solitary/reserved

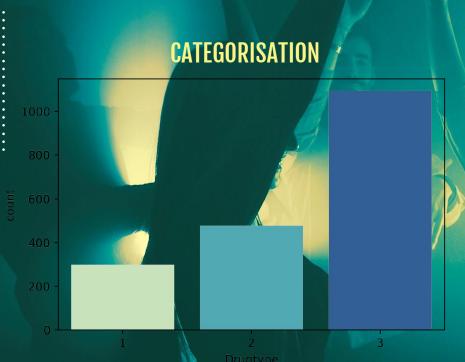
inventive/curious
vs.
consistent/cautious

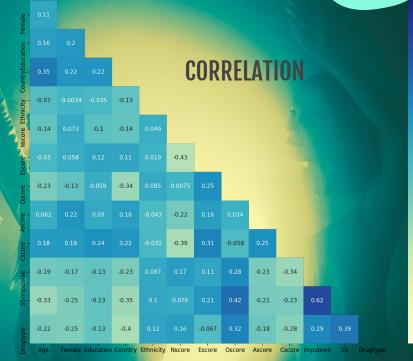
friendly/compassionate vs. challenging/detached

efficient/organized vs. easy-going/careless

PREDICTIVE MODEL

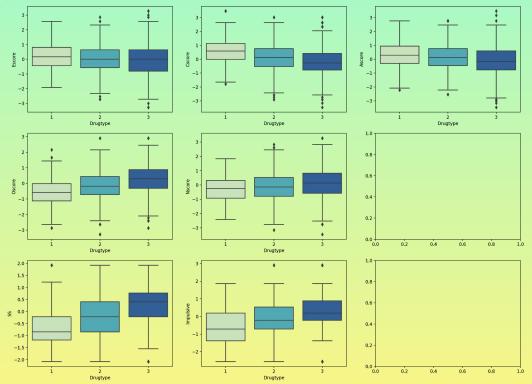




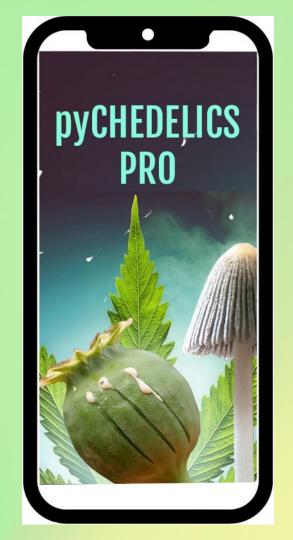


PREDICTIVE MODEL

CORRELATION



PREDICTIVE MODEL





START

- iOS
- ANDROID

PRODUCT OVERVIEW





DEMOGRAPHIC

- AGE
- GENDER
- EDUCATION
- COUNTRY
- ETHNICITY





PERSONALITY

- NEUROTICISM
- EXTRAVERSION
- OPENNESS
- AGREEABLENESS
- CONSCIENTIOSNESS
- IMPULSIVNESS
- SENSATION SEEING

PRODUCT OVERVIEW



SCORES

- NSCORE
- ESCORE
- OSCORE
- ASCORE
- CSCORE
- IMP
- SS





RISK

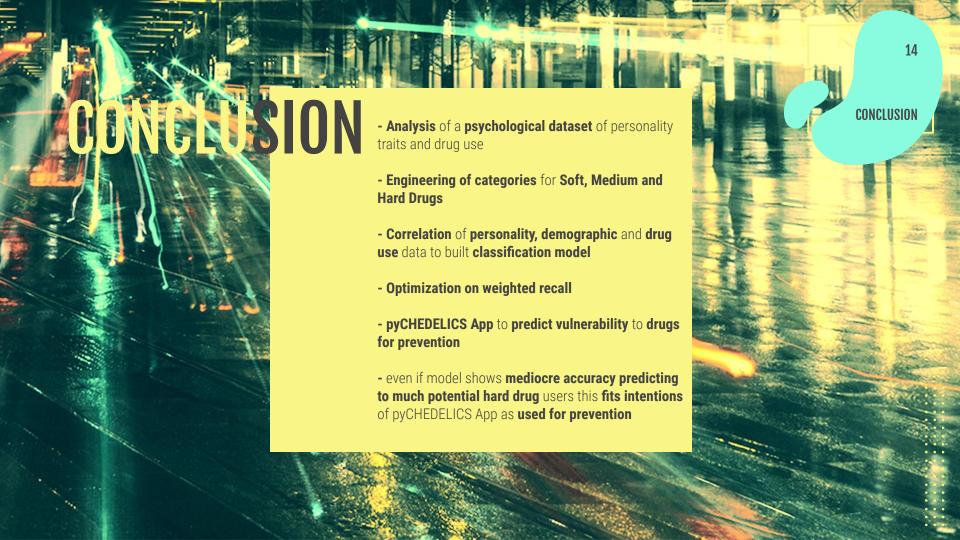
- HARD DRUGS
- MEDIUM DRUGS
- SOFT DRUGS

PRODUCT OVERVIEW



LINKS

- DRUG DICTIONARY
- https://www.bzga.de
- https://www.kmdd.de



TURE WORK

New Data

- Conducting new surveys to extend data basis

Reducing Complexity

- Reduction of target variable to a binary problem
- Splitting data in regular vs. one-time drug-user (addict vs. curious)

Model Improvement

- Improve fine tuning to enhance model performance





THANK YOU

Does anyone have any questions?





RESOURCES

LINKS

- https://archive.ics.uci.edu/ml/datasets/Drug+consumption+%28quantified%29
- https://github.com/ma-re/EDA_Personality_Drug_Risk
- https://github.com/Patrick-Neubert/Neuer_Fisch/blob/master/EDA_on_Drugs_fin al.ipynb