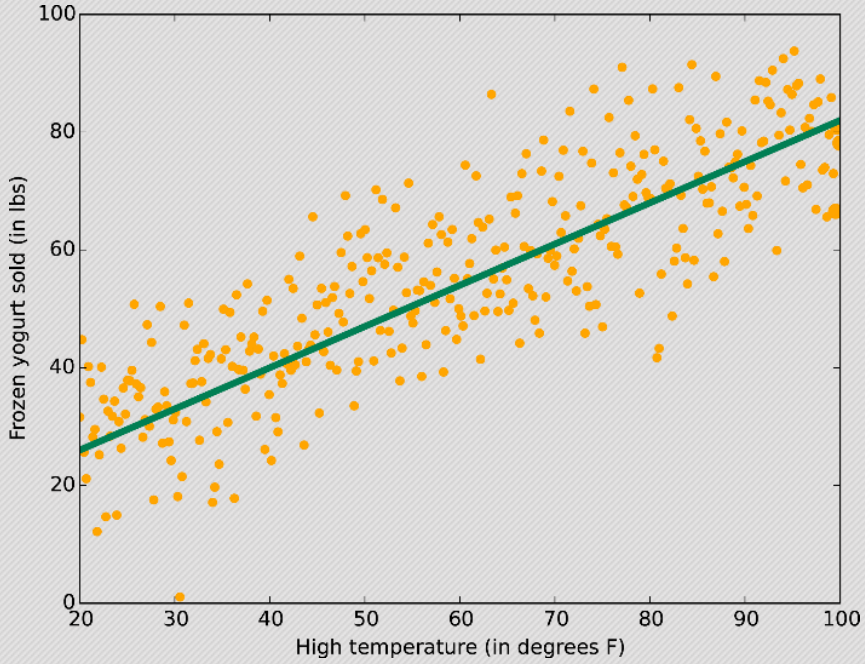
# Data Analysis Research Group @ PeWe

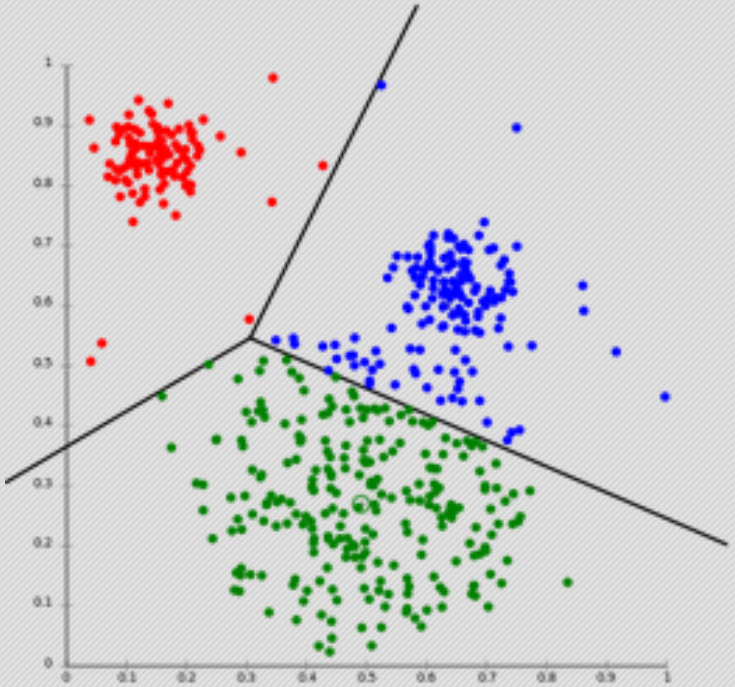
Group Introduction

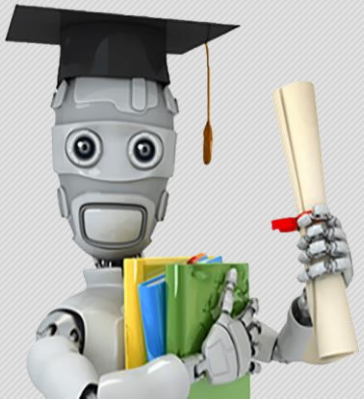
19th September 2018

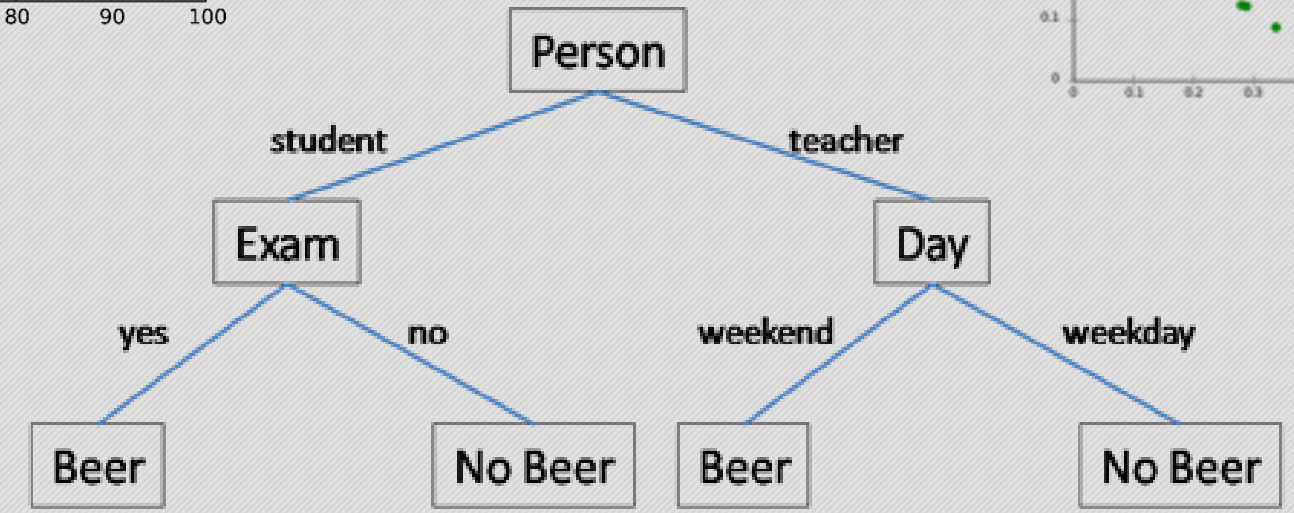
# Machine Learning (ML)









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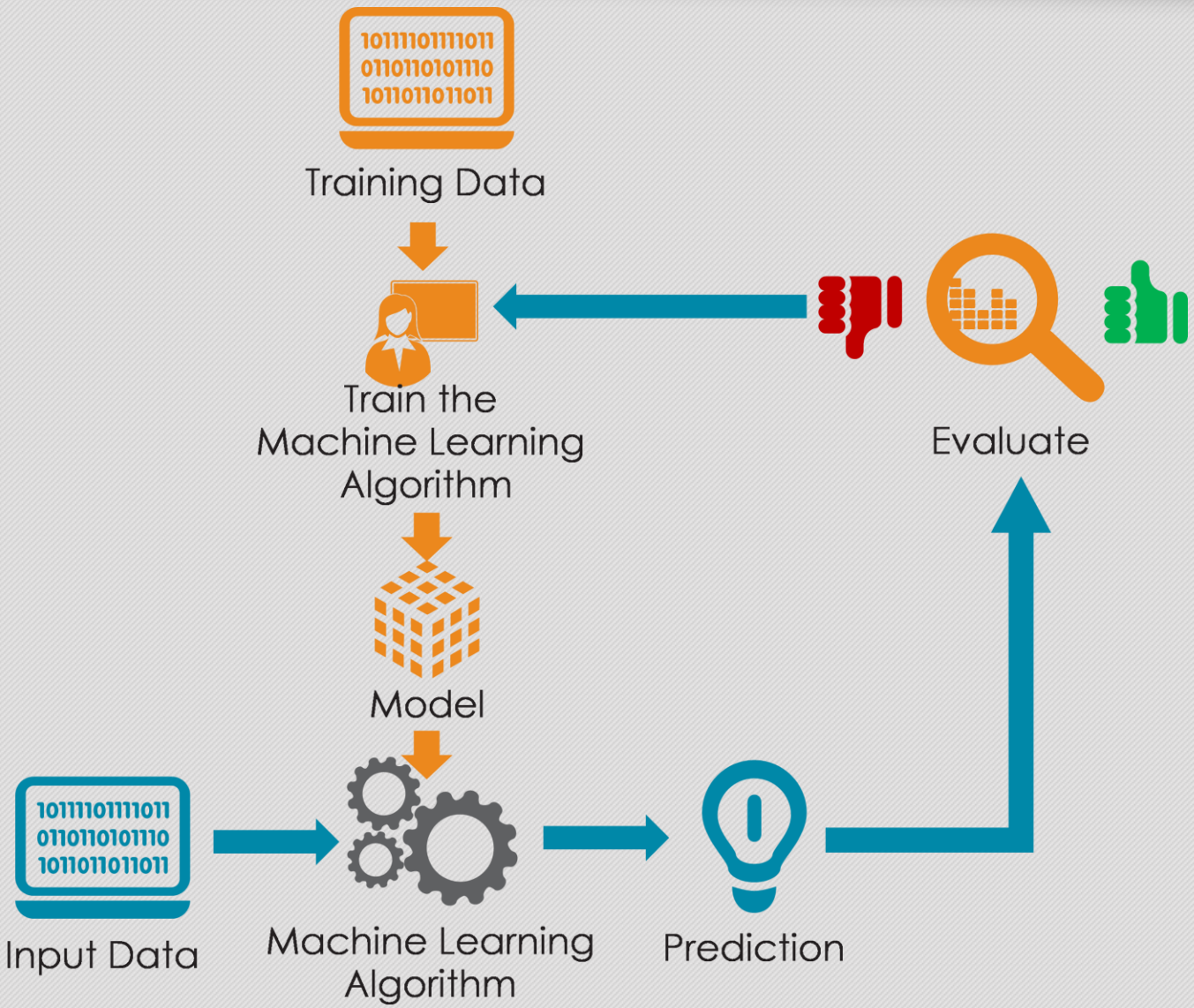

# Recommender Systems (RecSys)

NETFLIX

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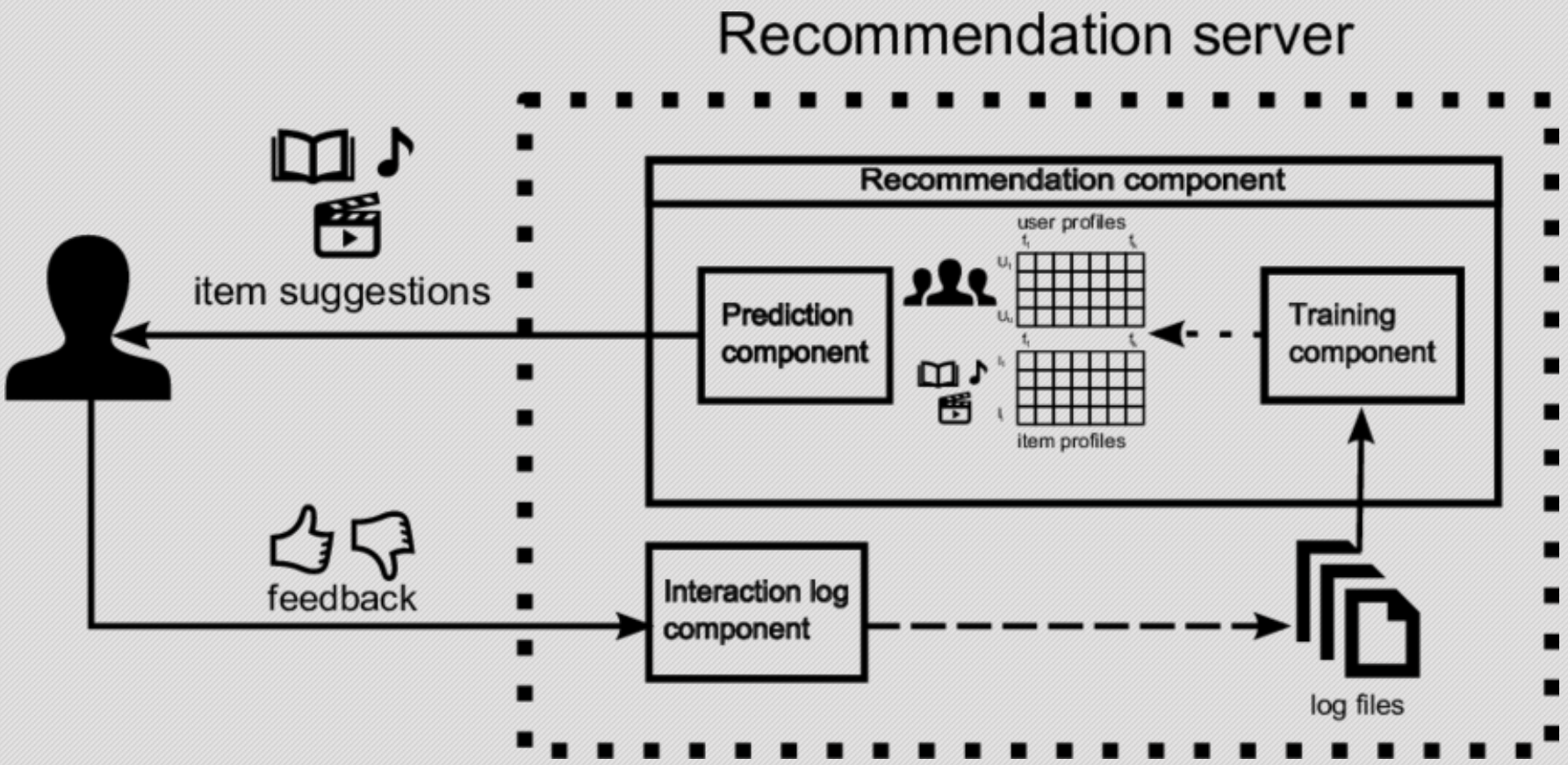
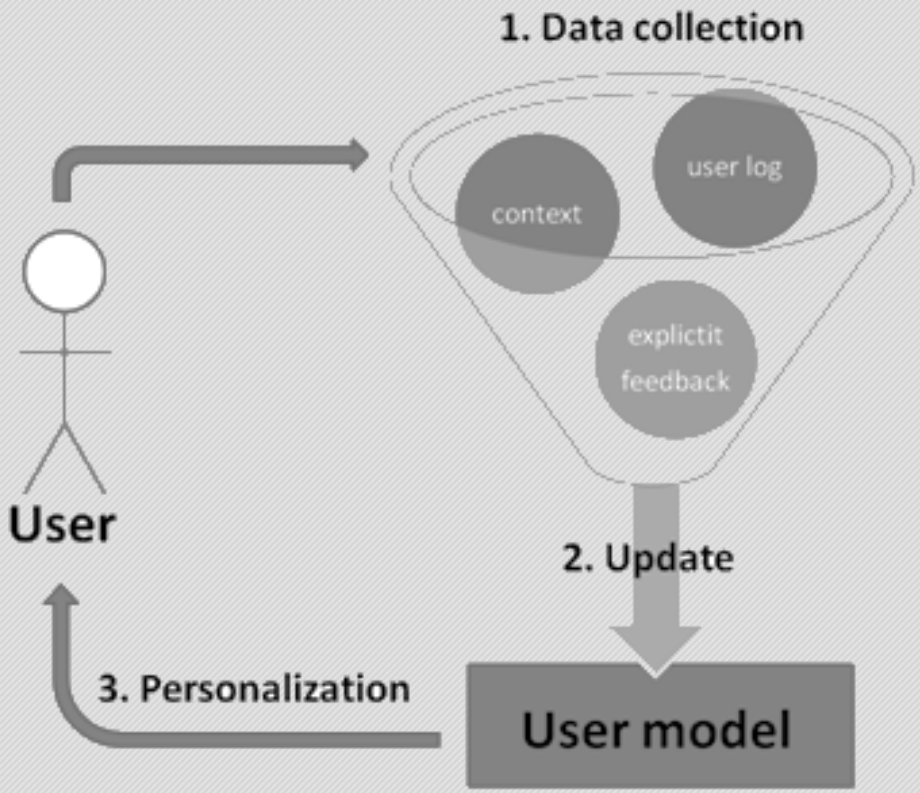
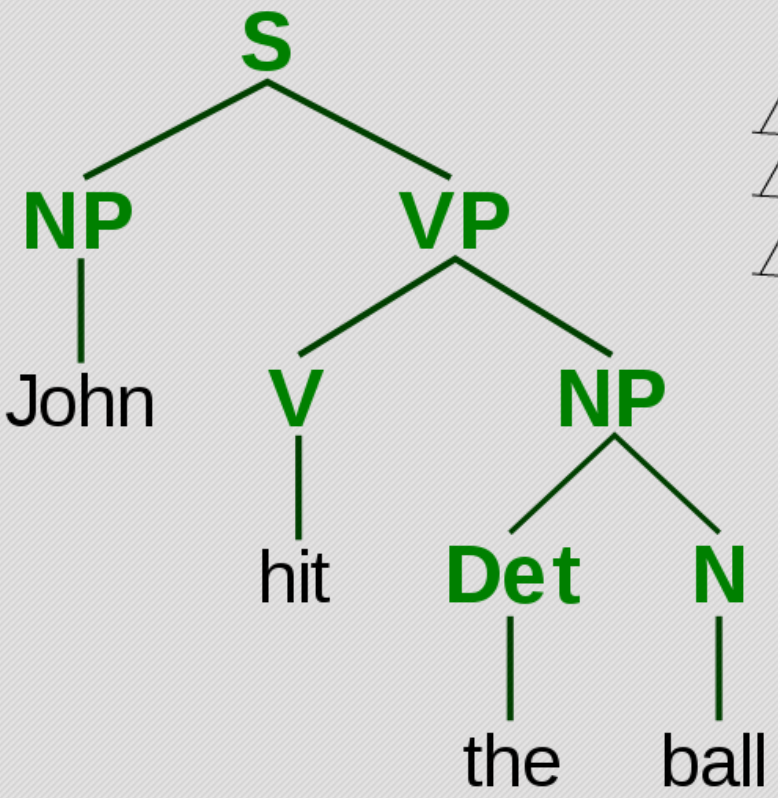


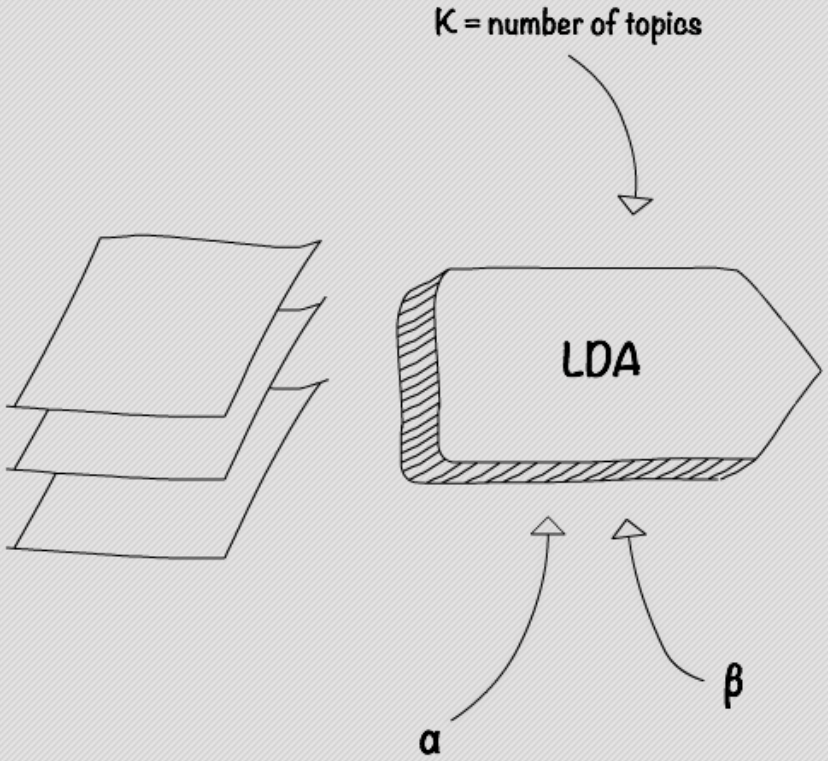
# User Modeling (UM)

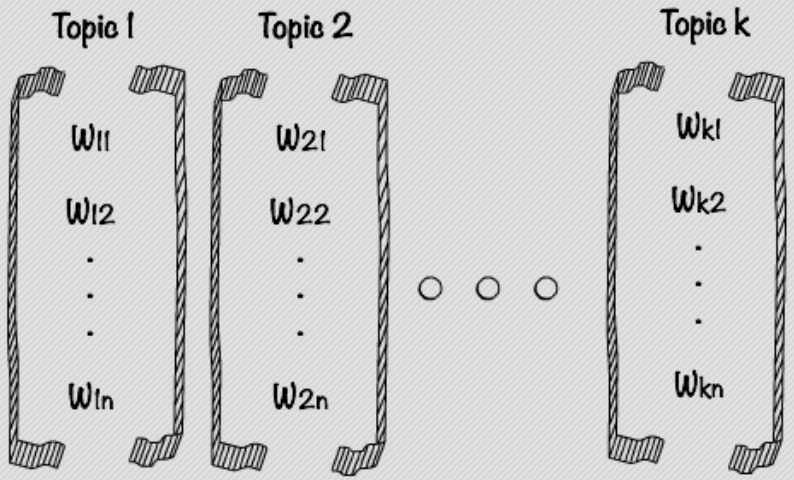


# Natural Language Processing (NLP)





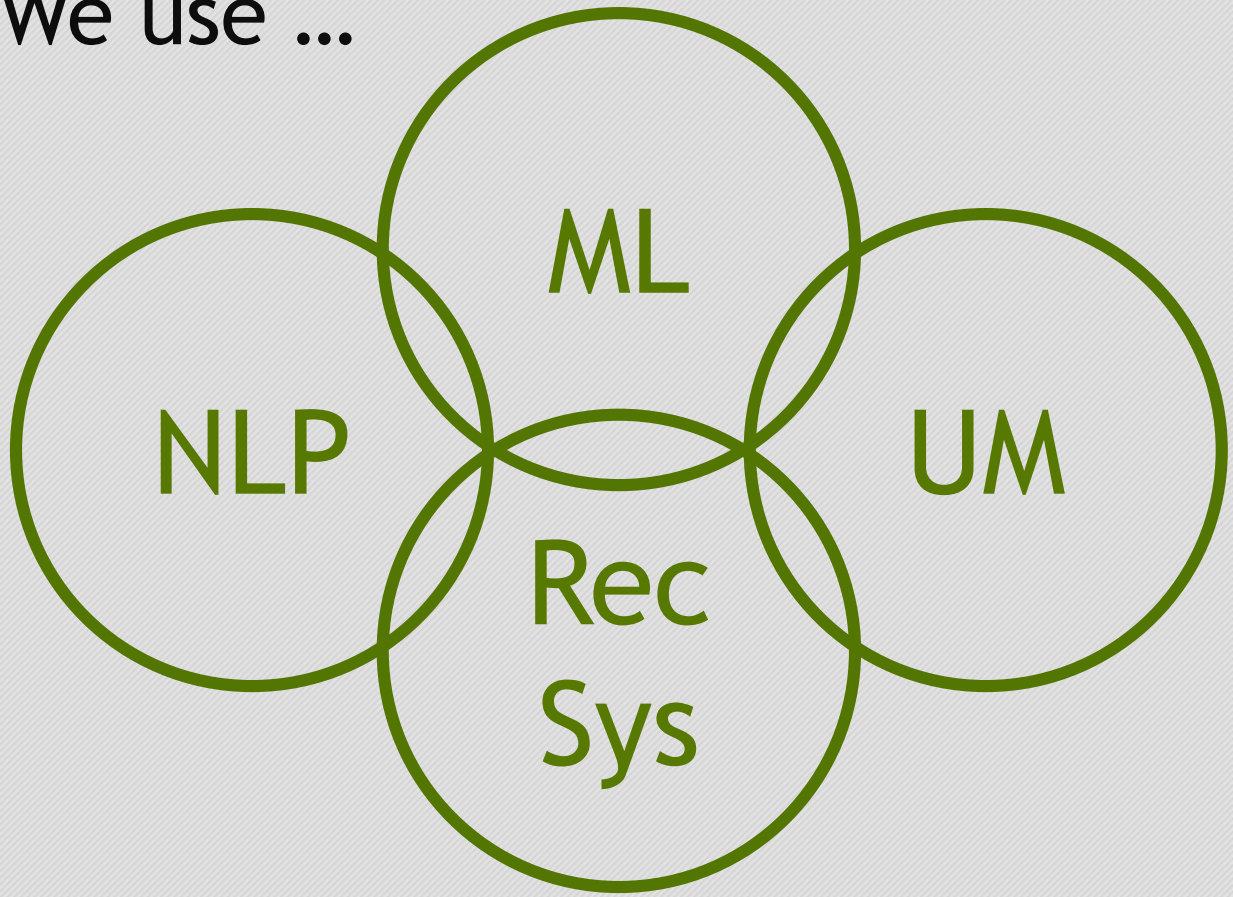



# Group Focus Overview



We use …




… in order to

- analyze,
- characterize and
- predict …

… user behavior (mostly) on the web.

# Members



**Doctoral staff**

- Mária Bieliková
- Michal Kompan
- Marián Šimko
- Ivan Srba
- Jakub Ševcech
- Michal Barla
- Ondrej Kaššák

**Doctoral students**

- Peter Gašpar
- Martin Labaj
- Martin Mocko
- Miroslav Rác

… and many master and bachelor students

# Research/Industry projects



- HIBER
  - Human Information Behavior in the Electronic Environment
  - Purchase prediction, churn prediction, product recommendation, …
  - Cooperation with company ZlavaDna.sk
- REBELION
  - Automatic Recognition of Antisocial Behaviour in Online Communities
  - Detection of fake news, fake reviews, hating, trolling, …
- MISDEED (submitted)
  - Misinformation Detection in Healthcare Domain
- ČSOB
- Exponea

# Group Organization



## Keynotes and tutorials

Explaining group topics and methodologies, such as:

- ML workflow
- RecSys classification
- NLP/UM techniques
- Feature engineering
- Model evaluation

## Question-answering

Solving problems related to your bachelor/master theses by providing:

- Context or background
- Problem description
- Suggested solutions

## Interesting resources

Short information about:

- Research papers
- Books
- Blogs
- Datasets
- Courses
- Technologies

Communication: Google Group + Slack team (invitation will be send shortly)

https://www.pewe.sk/datalys