Games classifier

Team name

Members: Julia Cygan, Borys Adamiak, Patryk Flama Supervisor: Marek Adamczyk

UWr

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Your task

Goal and motivation

We want to be able to automatically assign tags to games, based on their description.

Solution to such problem has real-world applications, such as game grouping/filtering or finding simmilar games or trends analysis.

In aspect of ML project we want to make a small comparison of different models and data processing.

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Info about the data

Steam has its own official API, from which we want to download all of the data (and since Steam is the largest library it will allow for a lot of diverse, high quality, data). Currently there are above 100'000 games, which does create a large dataset.

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- Bag of Words binary vector records if word appears in text (input representation) ✓
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- Hashing input to low-dimensional vector ✓

Models

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 - Logistic Regression ✓
 - Decision Trees + Random Forest ✓
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- F1-score (2 * precision * recall) / (precision + recall) - nice name, but also it combines precision with recall thus both TP and FN are equally expensive ✓

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- Hammming loss
- Intersection over union score
- Exact match