

Data Science Project

Ideas

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Christian-Albrechts-Universität zu Kiel

March 7, 2025

Die Quellen sind noch nicht up to date, morgen
finden wir noch paar mehr, die man gut verwenden
kann!

Overview

- 1 Music
- 2 Kiel
- 3 Gaming
- 4 Chat-Gpt
- 5 Supermarket
- 6 Illnesses & University
- 7 Rich people
- 8 AI embeddings on images

Music

Spotify API, Songsterr/Ultimate-Guitar webscraping

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- Does the season influence the music people listen to?
- Which are the most frequent words/phrases in song-lyrics over the year/genres?
- Are there similarities in styles (chords/harmonies/melodies/lyrics) for songs by different artists that use the same producers/ghostwriters?

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- Where are hotspots of GPS-activity in Kiel?

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Gaming

Steam API, Twitch API, Kaggle Gaming set

- Do playtime and ratings correlate?

²Oder auch: What makes a game popular? Also konkret bezogen zum Beispiel auf Tags, die ein Spiel ausgezeichnet bekommt/hat.

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- What types of videogames are most played by which age-group?
- Did global events (Covid, 9/11, Ukraine war, ...) influence sales of certain games?

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³Mehr interessante Fragen

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- What do people buy during different holidays?

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- What are the influences of university to the mental health of students/lecturers?

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Webscraping, public social media APIS⁷,

- At which time or day in the week do some famous billionaires post the most on social media?

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- Do rich people post frequently while on plane?

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Publicly available vector embedders of Images, own autoencoder⁹, MNIST, 80 Million Tiny Images, etc.

- Do different encoders have similar variance on the same datasets?

⁸Hab das zufälligerweise gestern Abend gemacht mit den Bildern aus dem Medienpädagogik-Projekt vom dem ich erzählt hatte, war sehr interessant. Der Encoder hatte dabei 512 Dimensionen, also kann sowas auch sehr lange dauern zu berechnen.

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- Can we identify different clusters by eye with a 2D-PCA?⁸

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