Alex -

It talks about earth surface temperature data which can be useful in analyzing global warming trends over time

<https://www.kaggle.com/datasets/berkeleyearth/climate-change-earth-surface-temperature-data>

Lalitha-Prediction of price of paintings using [Painting - For Sale on Artsy](https://www.artsy.net/collection/painting) data using web scraping. We use image classification to classify pictures of paintings into a price category. This helps us find a price estimate for newer artists just based on category of art and images. Very helpful as art is subjective

Itinerary planner with reinforcement learning. Shortest travel time between all the places you want to visit. Google Maps API can be used

Hilary - Evolution of Legos

Legos biggest issue is to appeal to more diverse groups and ages. To stay relevant, they have to stay up-to-date with the toy industry and pop culture in a rapidly changing market.

Notes: <https://mode.com/blog/lego-data-analysis/> \*\*\* (2016) we can do an updated version

* Larger sets as the years go by
* Net income rose 3.7% in 2022 according to this [article](https://www.digitalcommerce360.com/2023/03/07/legos-profit-grows-slightly-as-other-toy-retailers-see-shrinking-demand/#:~:text=Net%20income%20rose%203.7%25%20to,to%20Digital%20Commerce%20360's%20estimates.)
* Drop in 2004-2009 even though Lego continued to release more sets
* Bigger lego sets are growing the most (the ones with the most pieces)
* Duller color pieces are more popular today (more realistic sets like the Taj Mahal require less brighter colors)

<https://medium.com/analytics-vidhya/exploratory-analysis-on-lego-dataset-8967e37fc5dd>

Question: How can lego continue to stay relevant?(?) Trends completely flipped when we compare from the 1950s to today’s sales.

<https://rebrickable.com/downloads/>

ChunHui- Prediction of views/likeability of Youtube videos

<https://www.kaggle.com/datasets/datasnaek/youtube-new>

* Analyzing what factors affect how popular a YouTube video will be.
  + What’s the best time in a day or week to upload videos
  + What category is the most popular
  + How do views, likes, dislikes, comment counts influence the poupularity
* Statistical analysis for views, likes, comment counts, trending days over time.
  + Time series
  + Correlation between different variables
* Comparison between different regions and categories

Abhinav

* We can talk about how Spotify has become a leader in the music industry when it comes to streaming. We can find data that supports this, and talk about how they’ve maintained their position.
* <https://www.performancemagazine.org/spotify-number-one-music-provider/>
* <https://www.kaggle.com/code/mauryansshivam/spotify-revenue-expenses-and-premium-users-viz/input>
* Consistently maintained their place and haven't ever had a deep downfall.
* Premium revenue also increased