

# LET'S GO

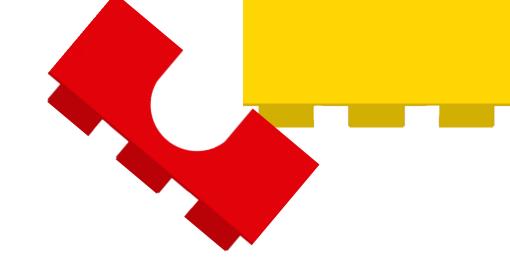
The Hackathon

O1. USER RSEARCH
UX DESIGN

O2. DATA SCIENCE

O3. FIGMA PROTOTYPE UX/UI DESIGN

O4. DEMO
SOFTWARE ENGINEER



# TABLE OF CONTENT

# THETEAN





Franco UX/UI



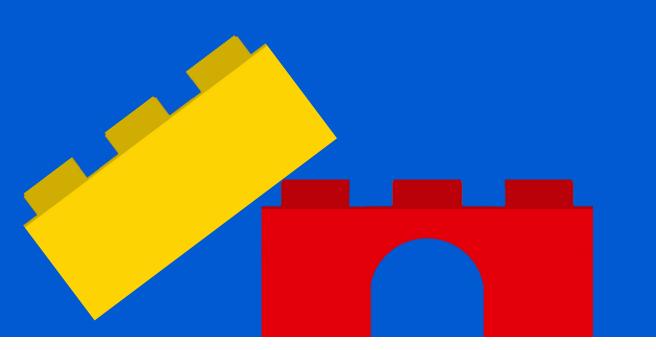
Benedikt Data Science



Temi Software Engineer

01.

### USER RESEARCH



#### **OUR STARTING POINT**

How might we assist adults in selecting the right gift for a kid's birthday?



#### WHY IS IT A PROBLEM?

Returns

Unsatisfaction

Frustrations



#### SECONDARY RESEARCH

Germany is
LEGO Group's
biggest market

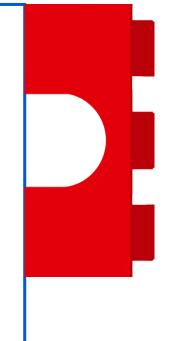
German
average child
bearing age is
31.1 years

The most bought product is for the age range 6-10

#### SECONDARY RESEARCH

87% of children exert a significant influence on the final purchasing decision.

64% search for the specific type of toy their child desires 100% of children are happy when they get a gift they wanted



#### **TANJA SCHUTZ**



German
The Millennial Mom
Berlin, Germany
38 years old
Marketing Manager

#### Goals & Needs

- Simplicity: Want a straightforward process to select age-appropriate and interest-aligned gifts.
- Confirmation: Need a way to confirm that the child will like the gift, potentially through subtle inquiries or technology.
- **Balance:** Seek a balance between educational and entertaining gifts.

#### Pain Points

- Overwhelming Choices: The vast array of available toys and products makes decision-making challenging.
- Age Appropriateness: Ensuring the gift is suitable for the child's developmental stage.
- Parental Preferences vs. Child's
   Desires: Balancing what they
   think is best with what the child
   actually wants.

#### HANS-PETER SCHUTZ



German

The Builder

Berlin, Germany

9 years old

Student

#### Goals & Needs

- Loves dinosaurs and Star Wars
- Enjoys building things and playing
- Wants to find a way to combine his love for building and his love for Star Wars
- Owns LEGO and Mattel already

#### Pain Points

- He can't always find things that are stimulating enough for him
- Gets frustrated when parents don't understand what he wants
- Received a present he didn't like last birthday present
- Might throw a tantrum

## THEREFORE WE **DECIDED** TO KEEP THIS IN MIND

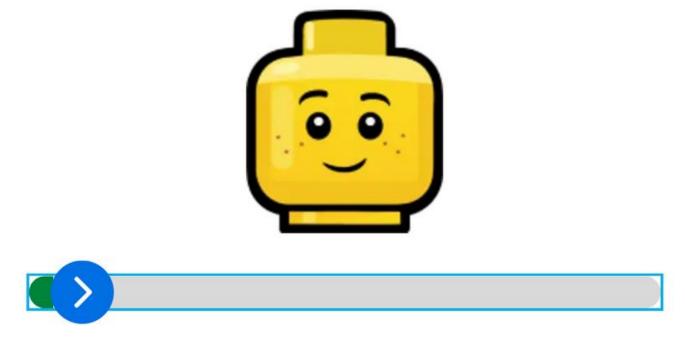
- The child is the ultimate deciding factor,
   so they should be taken into
   consideration
- 2. Current parents are Millennials, meaning they are **tech-savvy**
- 3. Ultimately, we want to offer the most tailored recommendation that would also be the best sale
- 4. We need to keep it kid-friendly, but also parent friendly

02.

# DATA: CRAFTING THE SOLUTION

#### **PROBLEM**

#### How old are they?



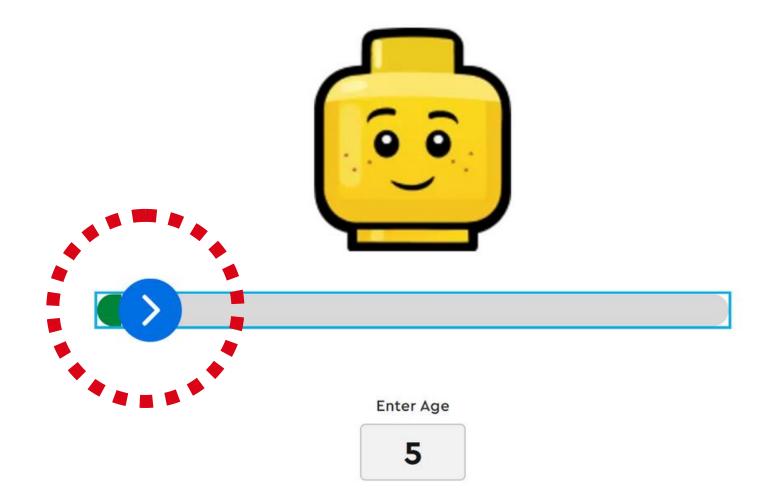
**Enter Age** 

5



#### **PROBLEM**

#### How old are they?



#### **PROBLEM**

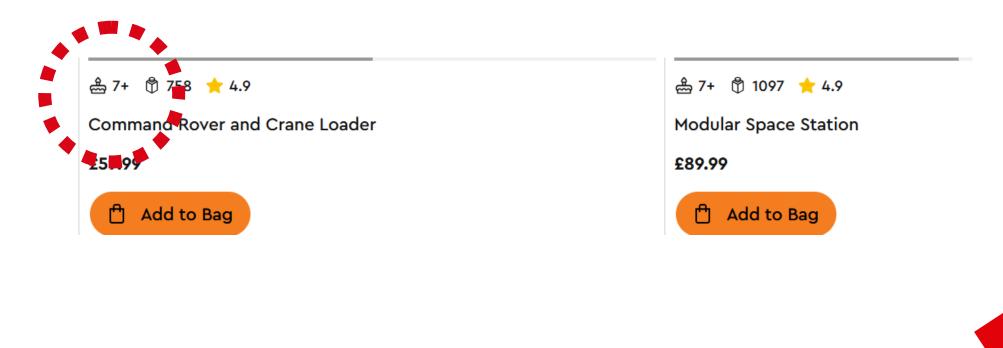
#### Whoopsie

Looks like we were barking up the wrong tree!

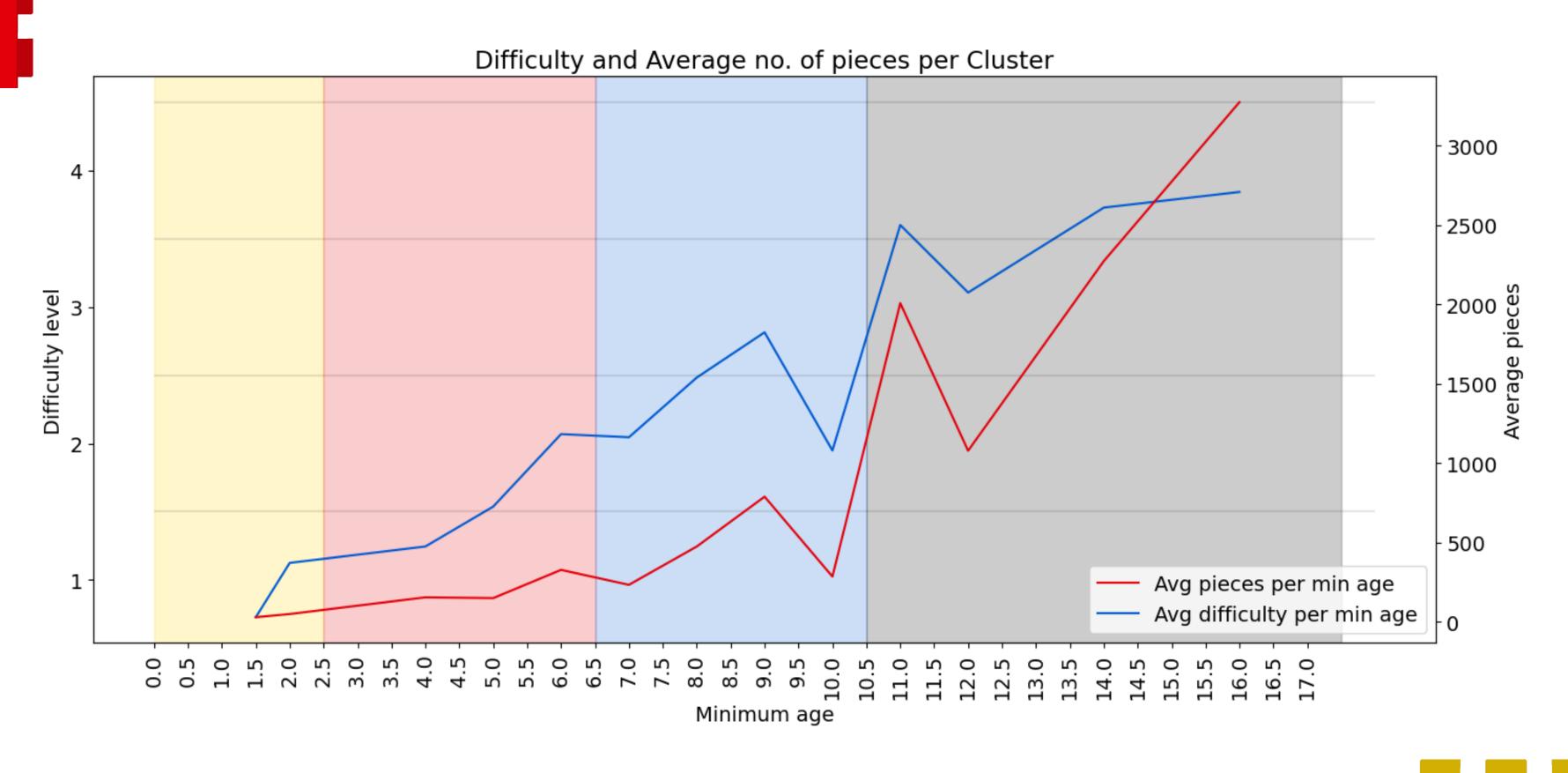


Try again with different answers or check some of our recommended sets below

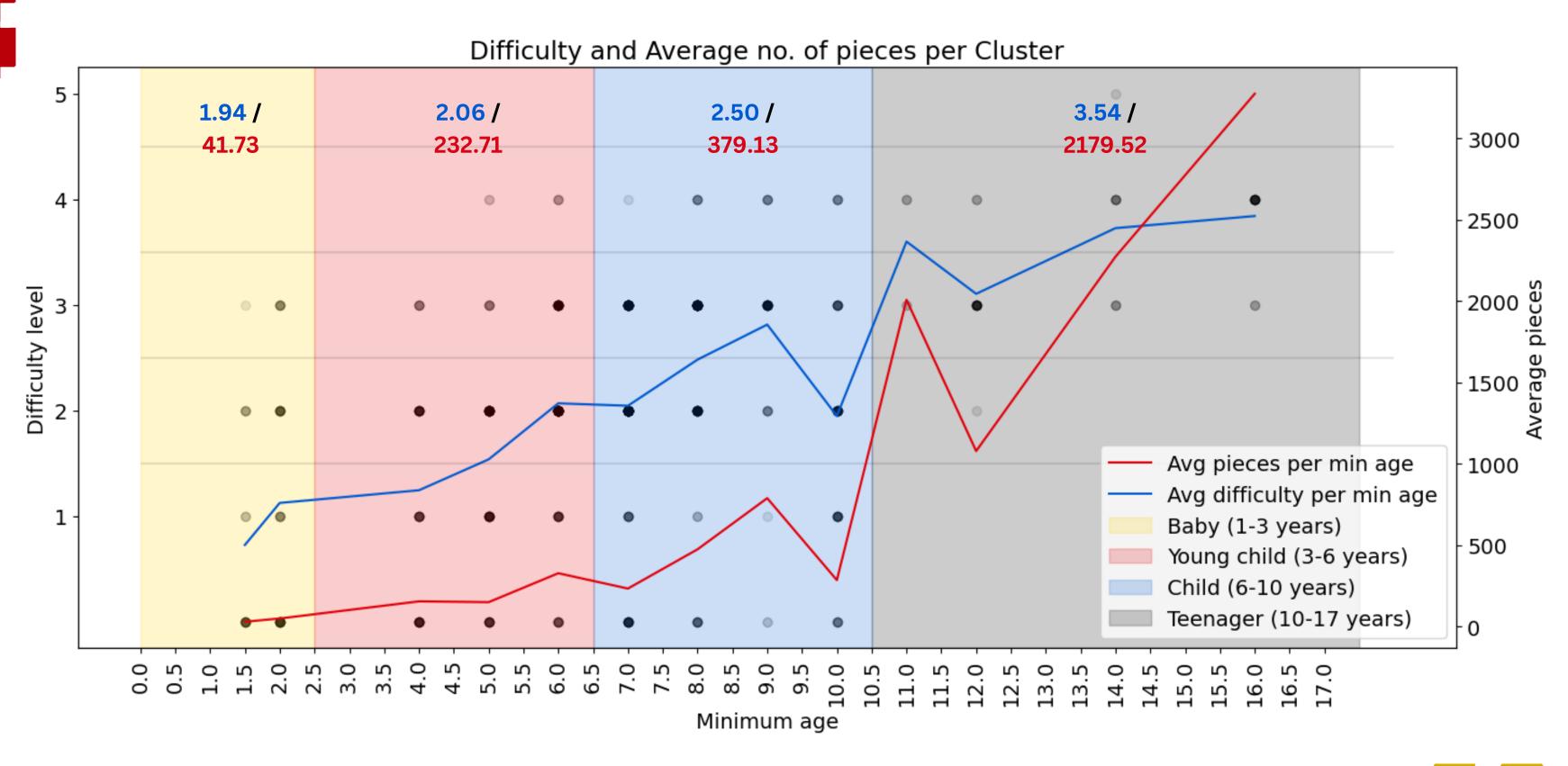
# Out of Age Range (Age 5), two suggestions



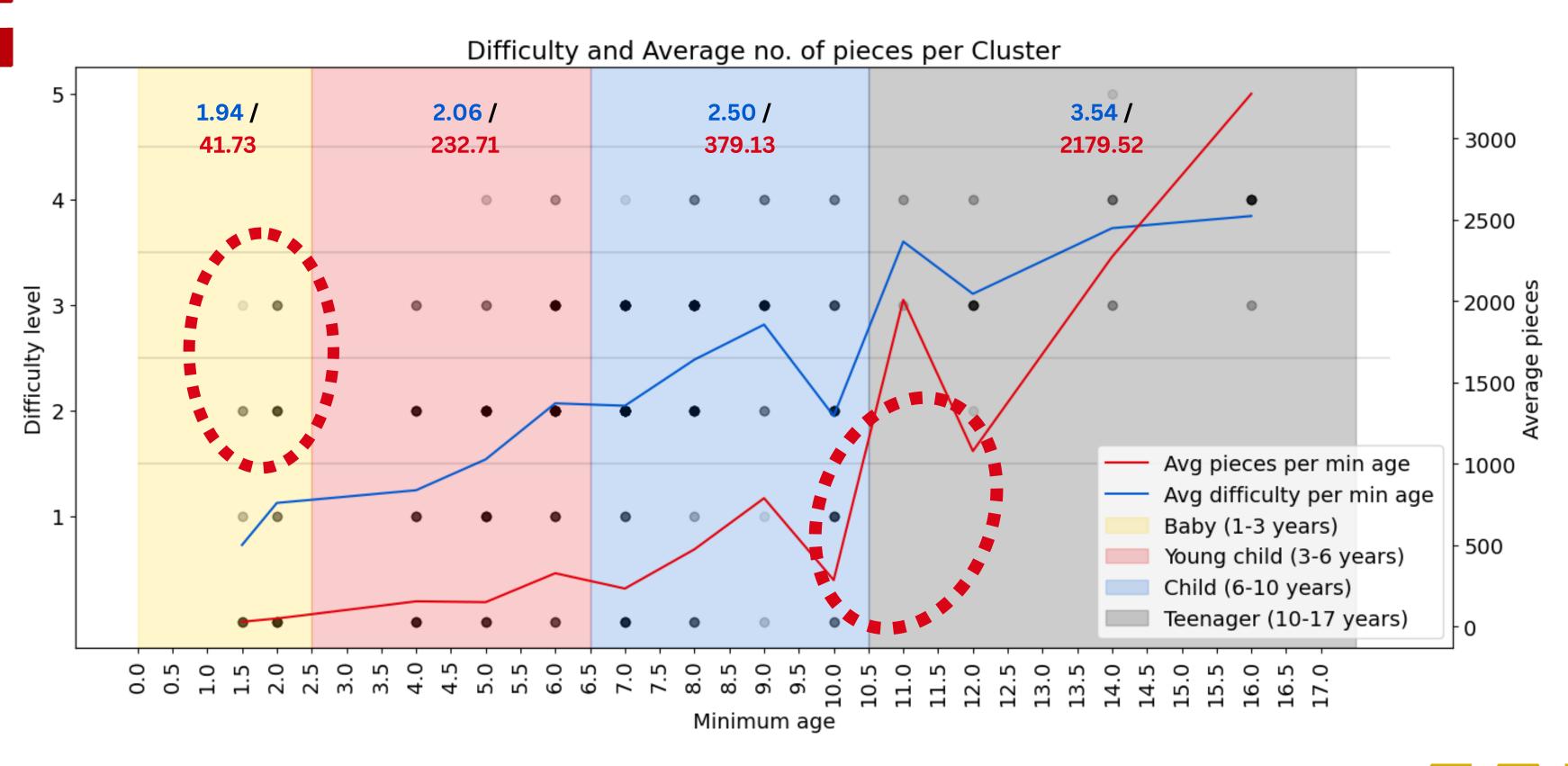
#### SOLUTION

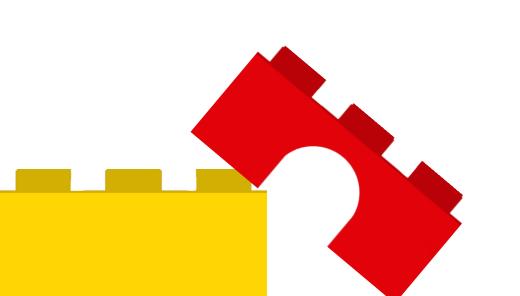


#### SOLUTION



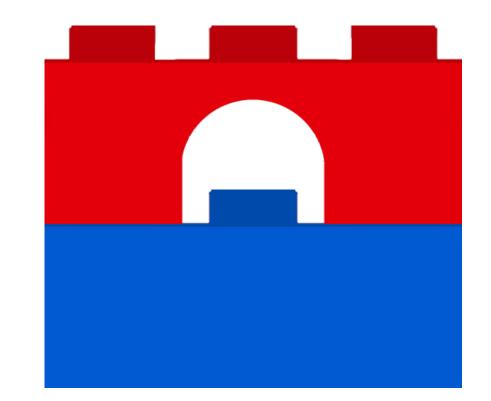
#### SOLUTION



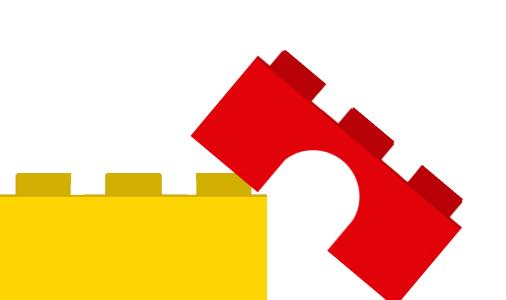




**User Input** 

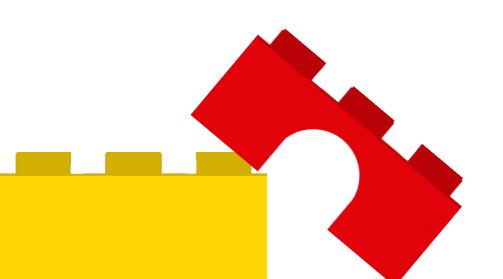


Recommendation





Trend-data

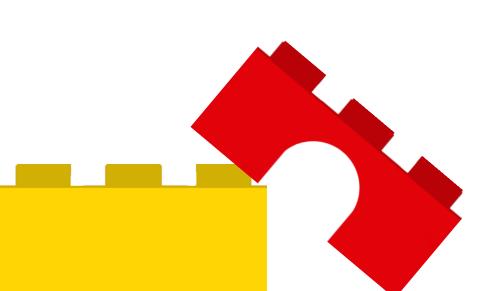




Trend-data

Recommendation

**User Input** 



#### **User Input**

- 1. Location
- 2.Age range
- 3.Interests
- 4. Activity
- 5. (Previous orders)
- 6. Removed price choice

#### Let's get started!

How old are they?





Next question



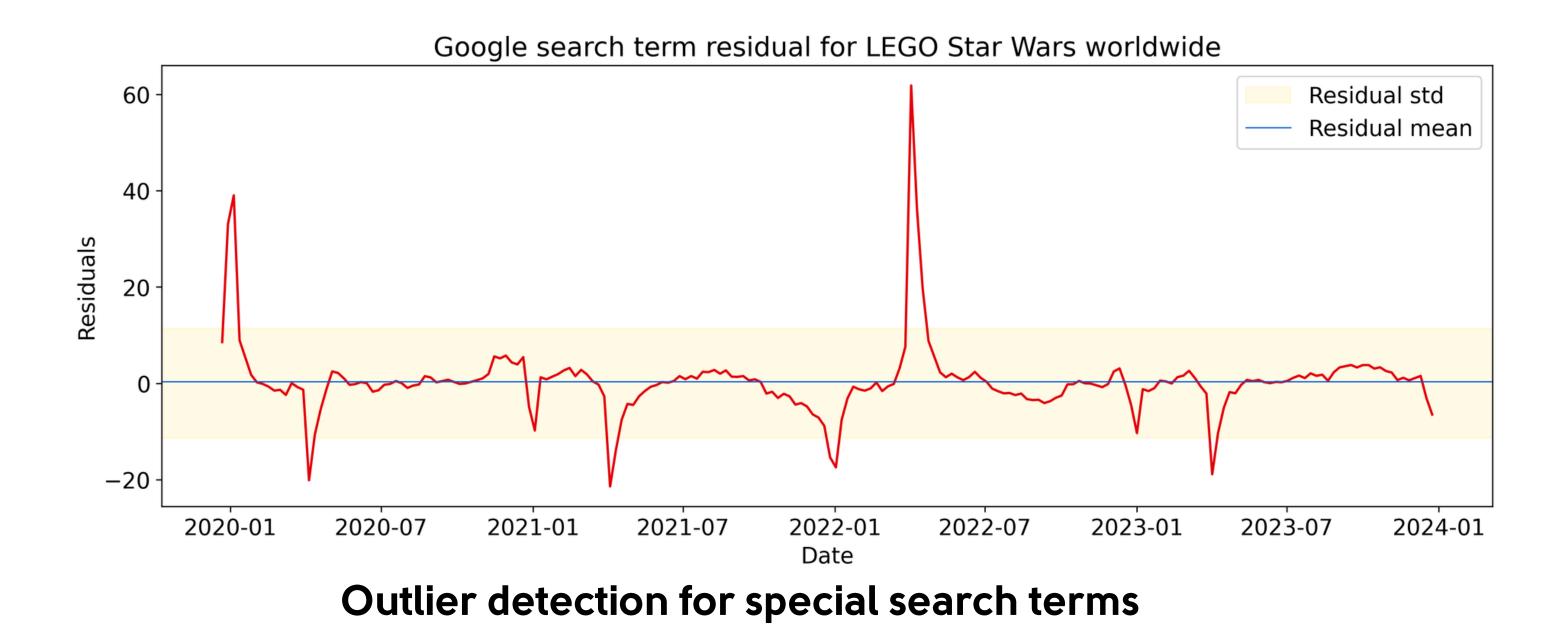
#### Recommendation

#### 1. TF-IDF algorithm based on the LEGO Group data

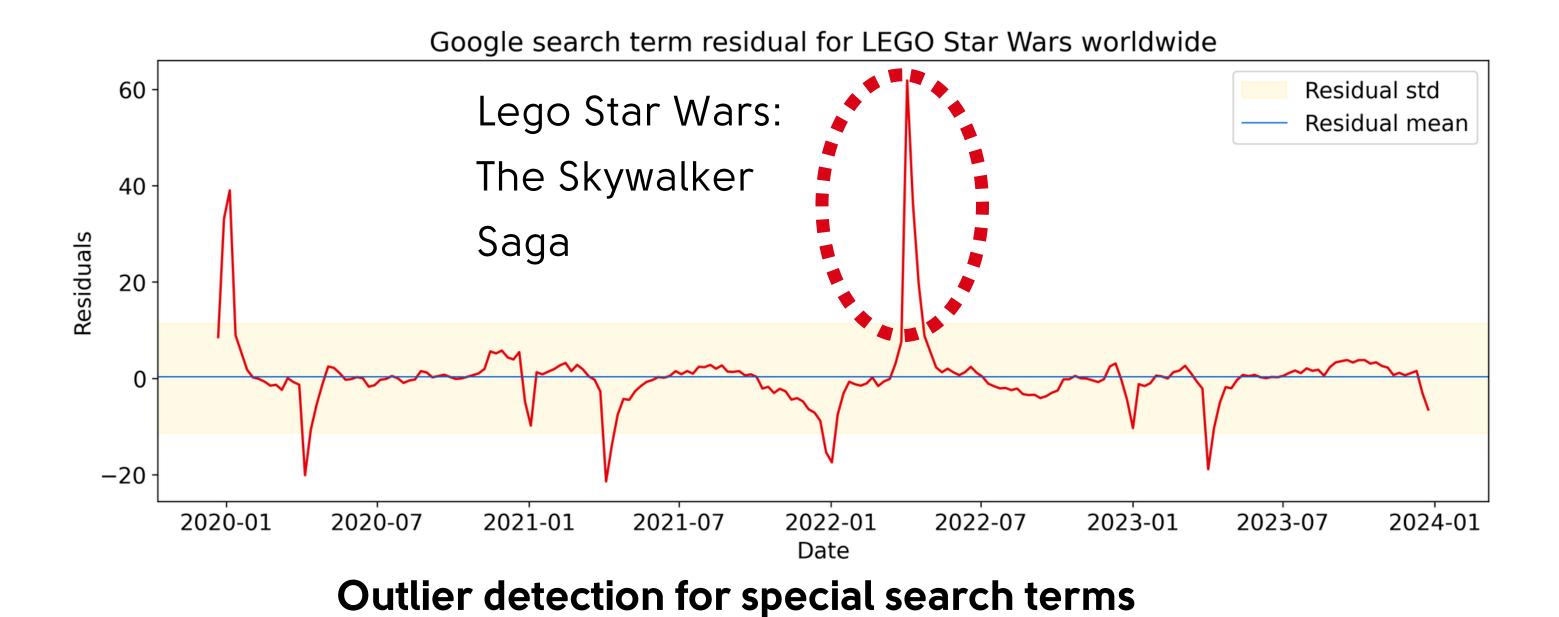
- a. Product description (similarity analysis)
- b. Size (dimension)
- c. Number of parts
- d. Difficulty
- e. Review score
- f. Sales history
- g. customer group

	set_name	prod_id	similarity	num_reviews
629	Jedi Starfighter™ With Hyperdrive	75191	1.000000	15.0
647	The Phantom	75170	0.259550	25.0
610	Yoda's Jedi Starfighter™	75168	0.251890	37.0
597	Y-Wing Starfighter™	75172	0.242695	51.0
593	Poe's X-Wing Fighter™	75102	0.227475	71.0

#### Trend data



#### **Trend data**

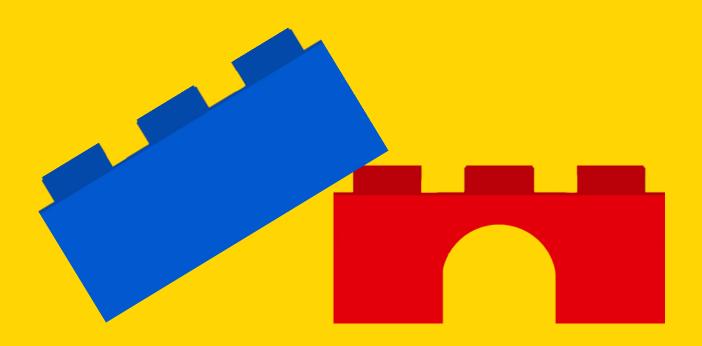


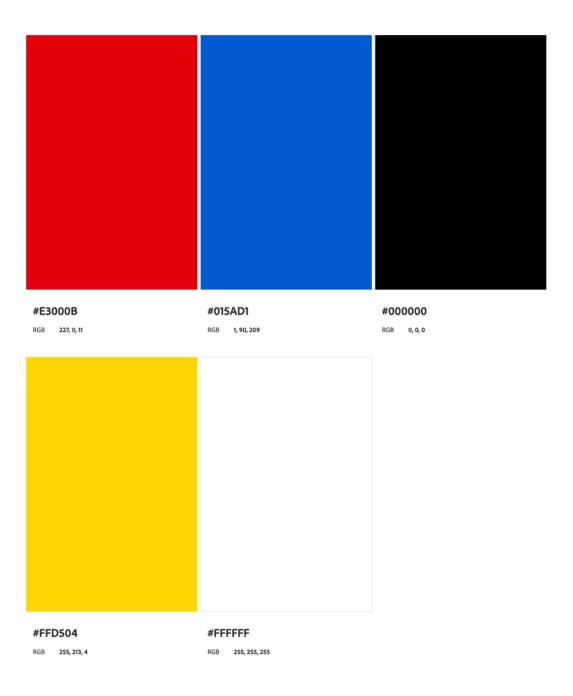
Lego and not Lego realted

## AND NOW, DEMOTIME!

# THANKYOU

Any questions?





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