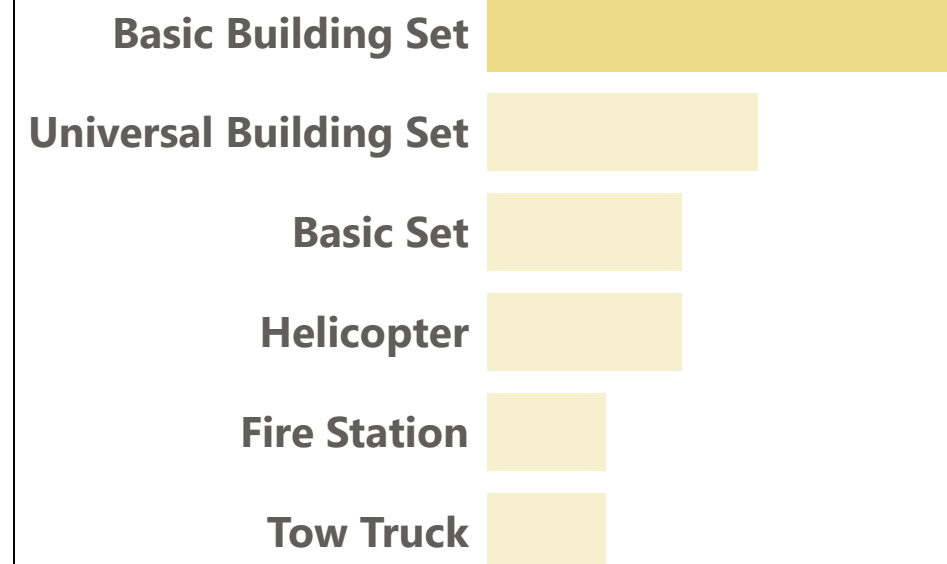


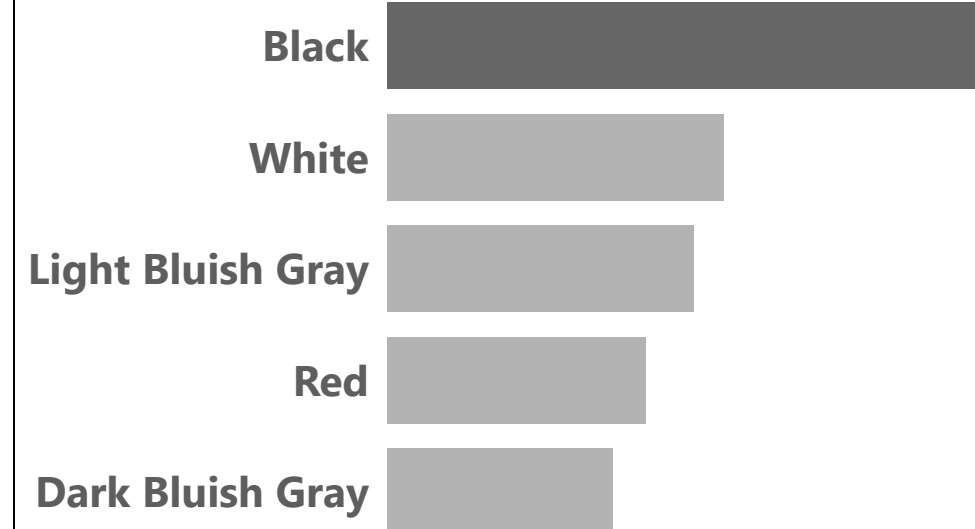
LEGO Brick by Brick

Most Common Types

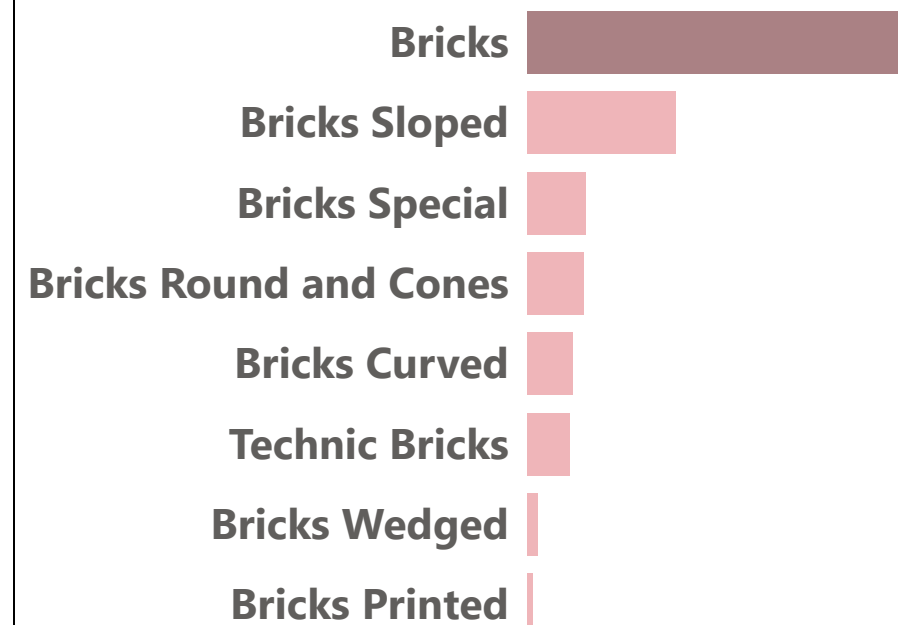
Most common set



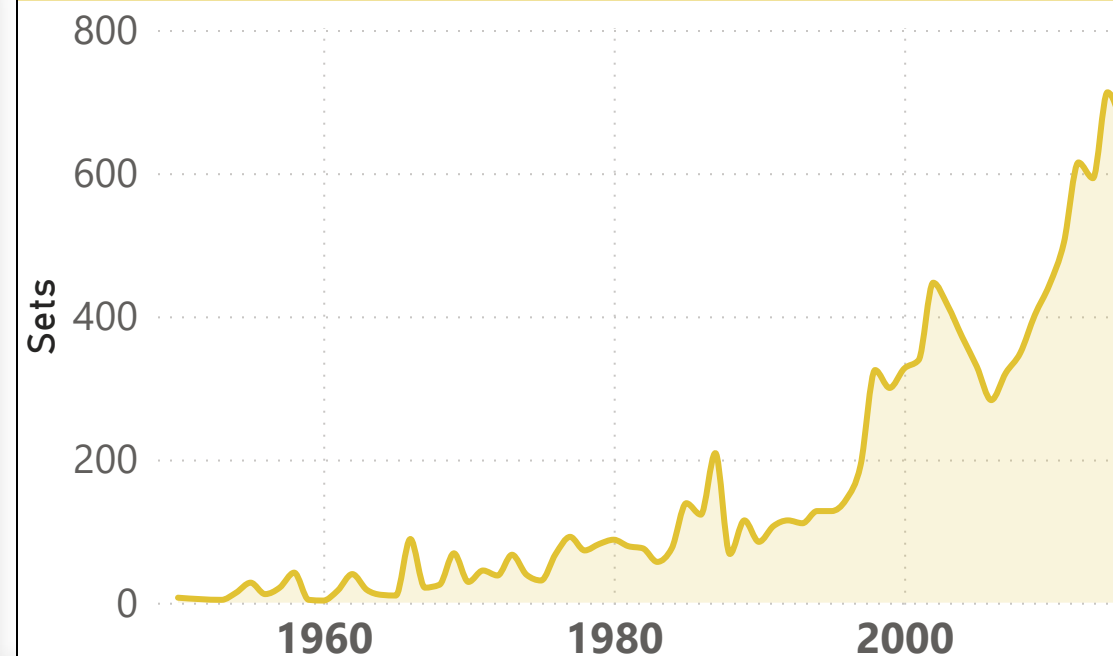
Most common colour



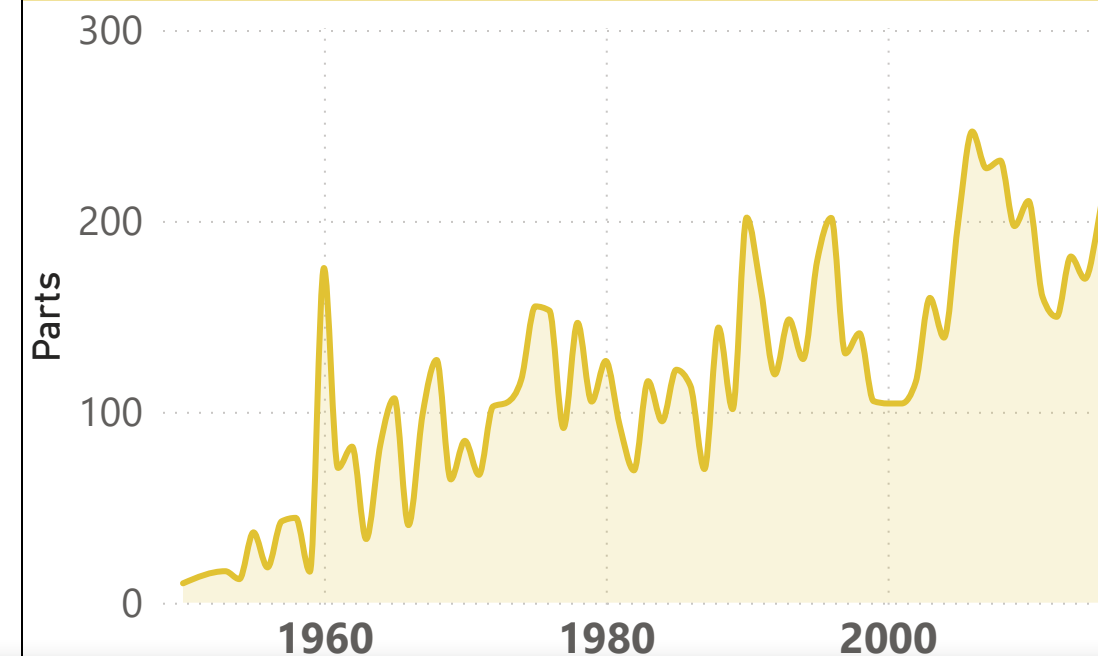
Most common bricks



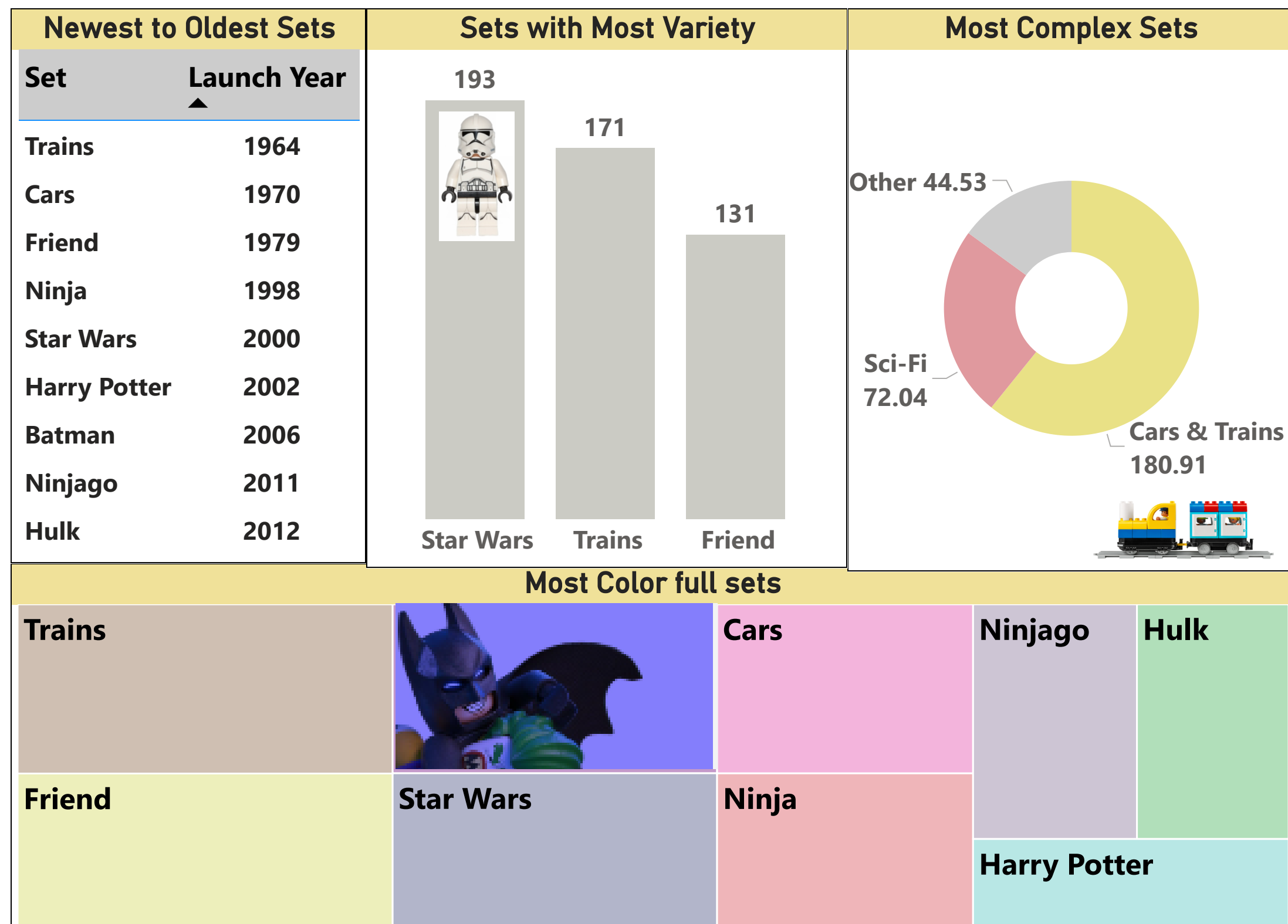
New Set Releases each Year



Count of Parts by Year

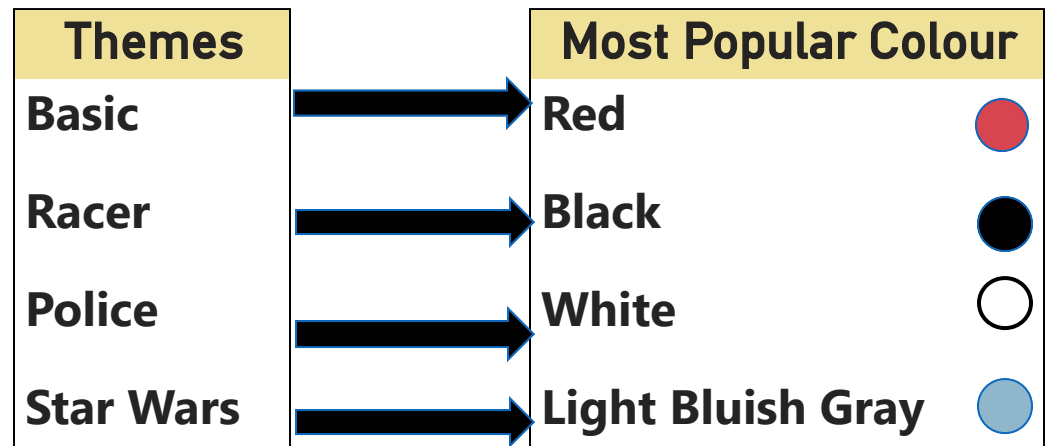
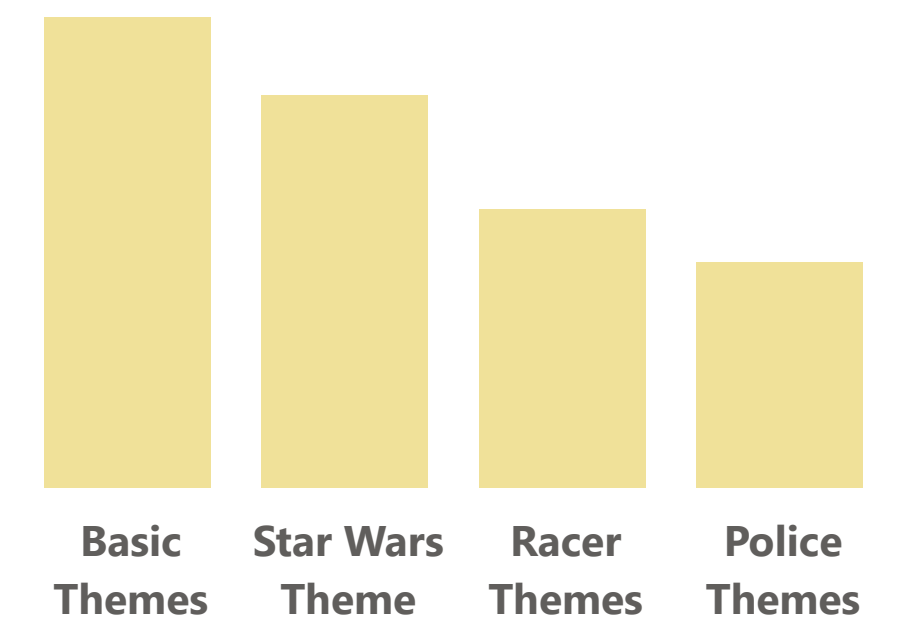


Popular Sets and their Features



Themes and Differences

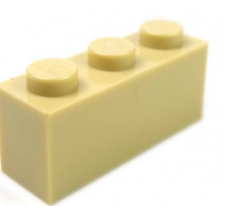
Intricacies by Theme



Most Common Part by Theme



Plates :
Racer theme
Police Theme
Star Wars theme



Bricks :
Basic theme



Brick by Brick Report

What are the most common types of sets/bricks/colors?

Most common set: Calculated the number for distinct ids available for each set .

Logic : more skus means its more common.

Most common brick: Calculated the quantity of each brick usually present in a set via quantity and inventory_id.

Logic: part which is present in most quantity in different sets is the most common part.

Most common colour: Calculated the color which is present in most part quantities.

Logic: the most prevalent color of most common part will be the most common color.

In what ways do the themes (basic, police, racing, licensed brands) overlap and differ from each other?

Created 4 groups based on theme names : basic , police , racer and star wars

Intricacies by theme: Calculated and ranked themes based on number of parts their sets usually contain.

Most popular colour by theme: the color of most popular LEGO part of that theme will be the most popular color for that theme.

Most popular LEGO part by theme: Identified the most popular parts by theme.



How have LEGO sets changed over time?

Number of new set releases each year:

Calculated the count of the number of rows where there exists at least one other row in the same year but with a different set_num.

Logic: Dax code looks for sets that have the same year but a different set_num compared to other sets in the same year. This could be interpreted as identifying new releases within each year, assuming a change in set_num signifies a new release.

Count of Parts by Year: Calculated the variation of number of parts present in a set over time.

What might we infer about the people for whom LEGO are designed based on what we know about the sets ?

Created groups based on common set names

Newest to oldest sets : Identified release date of a set group.

Sets with most variety: identified and ranked set groups based on number of sets in them.

Most complex sets: Identified set groups more likely to have more number of parts per set.

Interpretations about LEGO Fans:

Preference for Fandoms: Contemporary LEGO enthusiasts show a strong inclination towards popular fandoms, incorporating them into their lives through LEGO collections.

Diverse Collecting Habits: Sci-fi enthusiasts exhibit a diverse taste, expressing interest in various characters from the series, leading to a wide variety of LEGO sets. In contrast, train enthusiasts appreciate the timeless appeal and continual evolution of train-themed LEGO sets.

Social Engagement: The popularity of LEGO sets categorized under "Friends" suggests a social aspect to LEGO enjoyment, indicating that individuals interested in LEGO often find joy in socializing through shared building experiences.