Dashboard of Traditional VS AI Analysis of LEGO Dataset

LEGO Evolution: Traditional vs. AI Analysis

Overview | Themes | Complexity

Total Sets
18,438
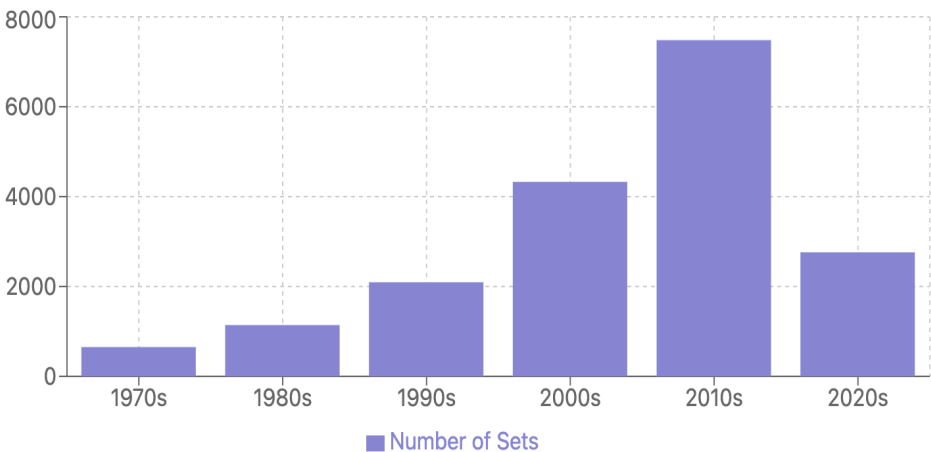
Avg Pieces
192

Max Pieces
9,090

Avg Price
$27

Sets by Decade: Analysis Comparison

■ Number of Sets

LEGO set production has grown significantly over time, with a peak in the 2010s. Both analyses show similar growth patterns.
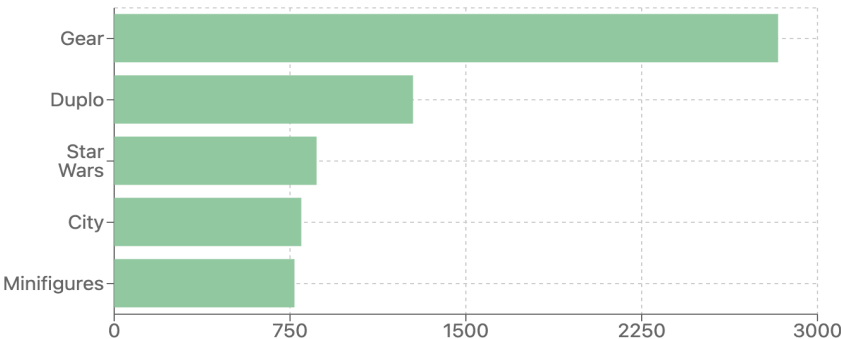
LEGO Evolution: Traditional vs. AI Analysis

Overview | **Themes** | Complexity

Top 5 LEGO Themes

Gear is the dominant theme with 2,832 sets, followed by Duplo (1,275) and Star Wars (863). Both analyses identified similar top themes.
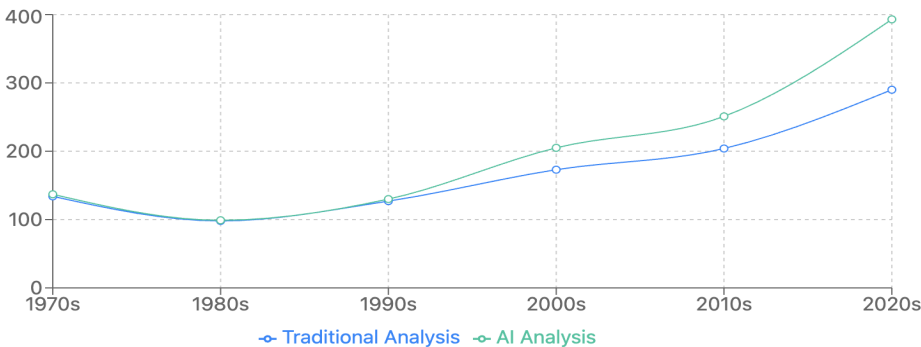
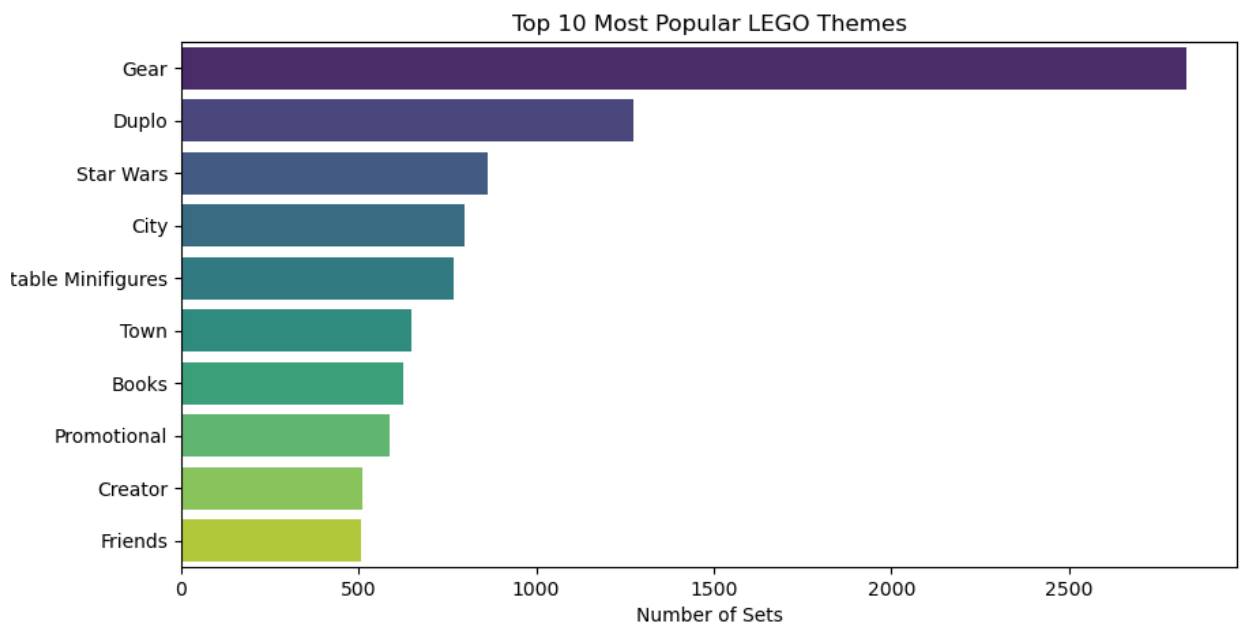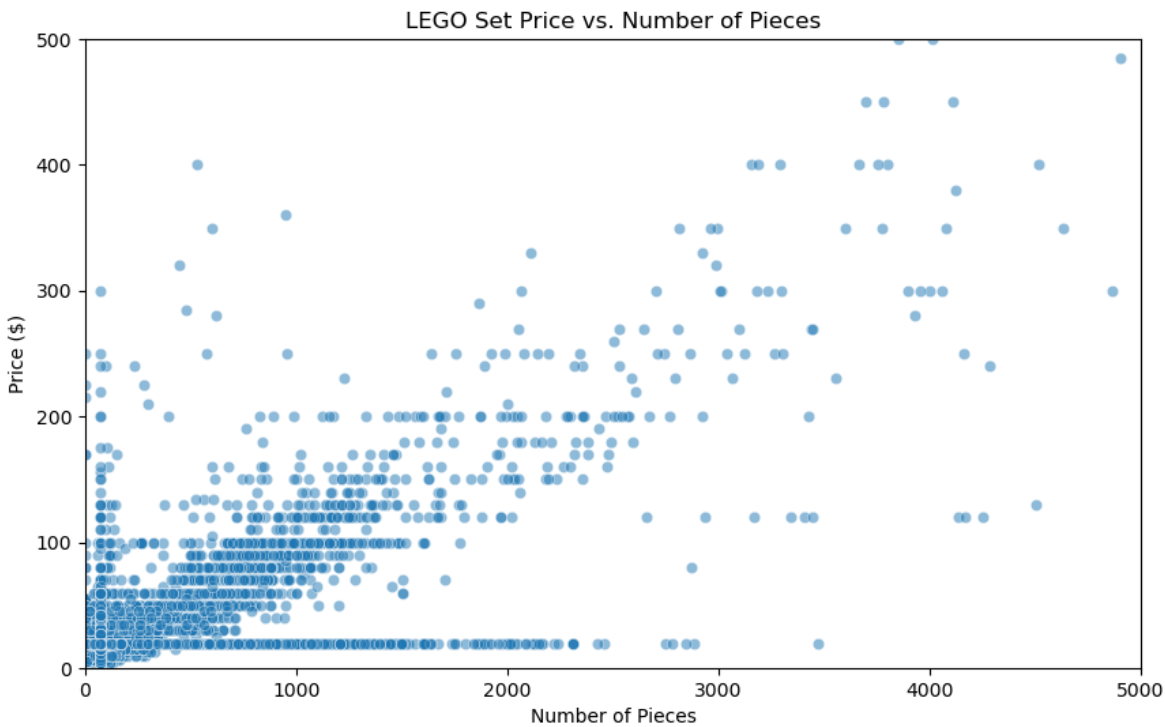## LEGO Evolution: Traditional vs. AI Analysis

Overview | Themes | **Complexity**
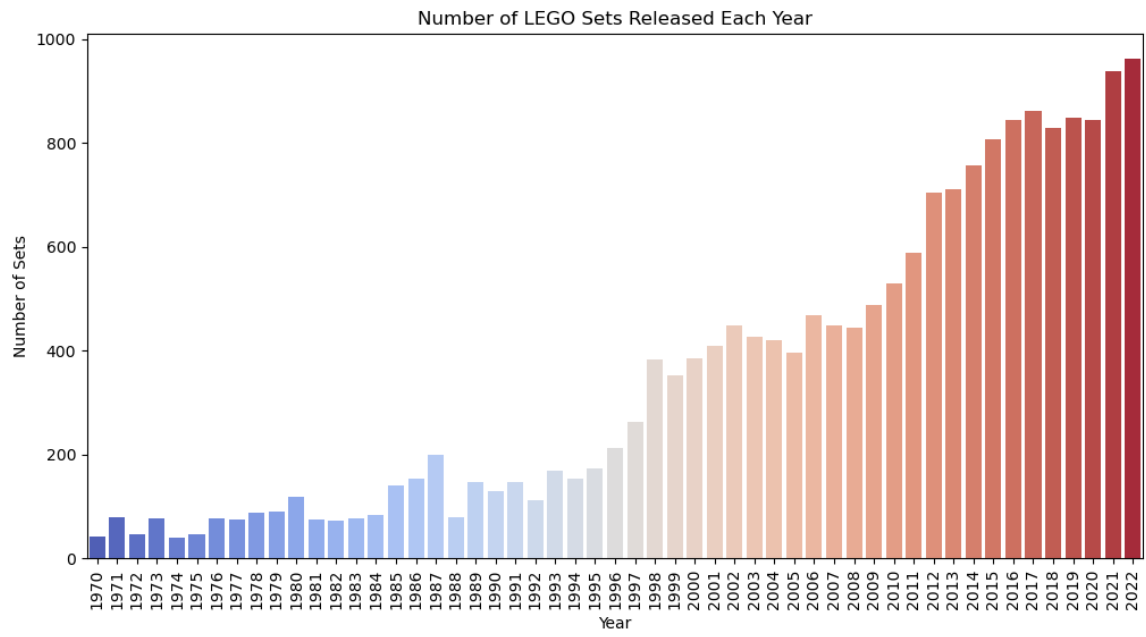
Set Complexity: Traditional vs. AI Analysis

—○— Traditional Analysis   —○— AI Analysis

Both analyses show increasing set complexity over time, with AI analysis showing consistently higher average piece counts in recent decades.

Traditional Analysis of Lego

LEGO Set Price vs. Number of Pieces

Top 10 Most Popular LEGO Themes

Number of LEGO Sets Released Each Year

AI Analysis of Lego Dataset

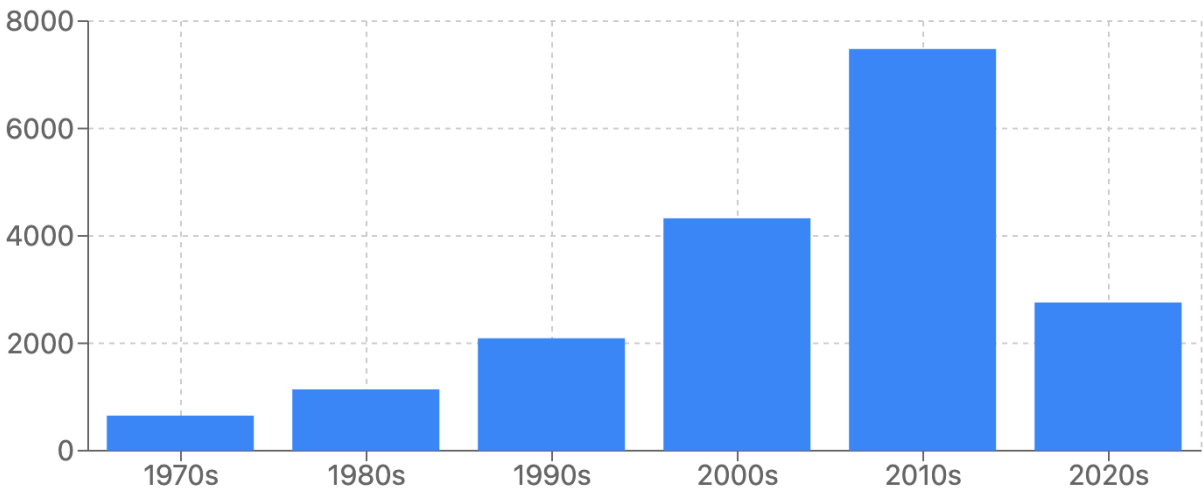## LEGO Dataset Analysis (1970-2022)

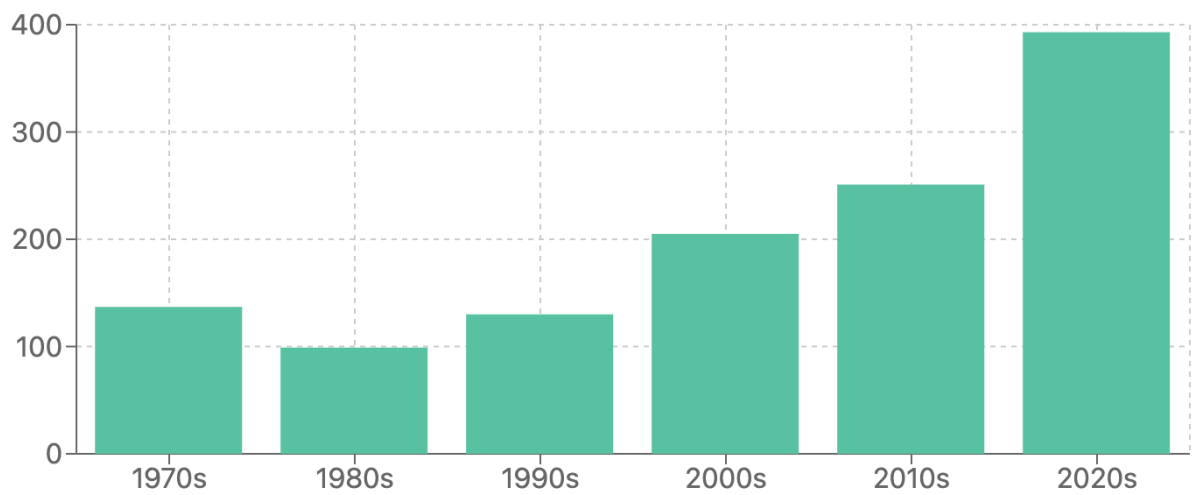**Total Sets**
18,457

Avg. Pieces (2022)
459

Licensed Sets (2020s)
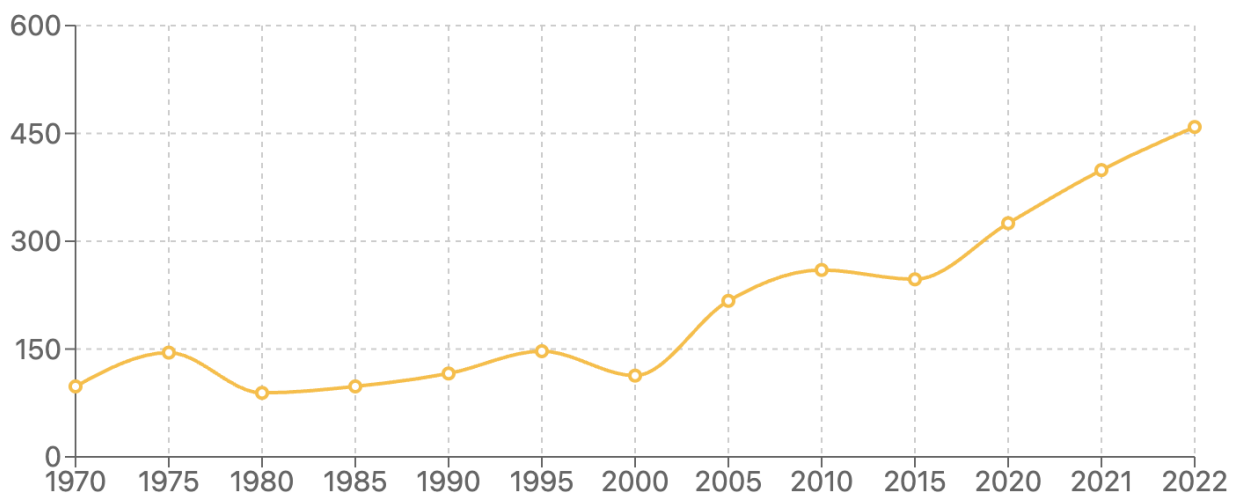26.7%

Avg. Price (2022)
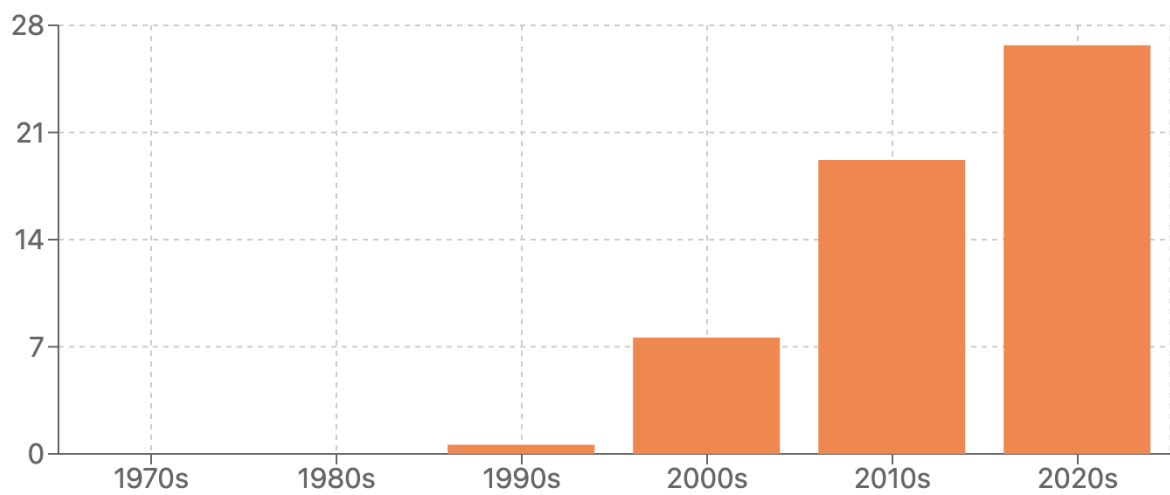$52.58

Distribution of Sets by Decade

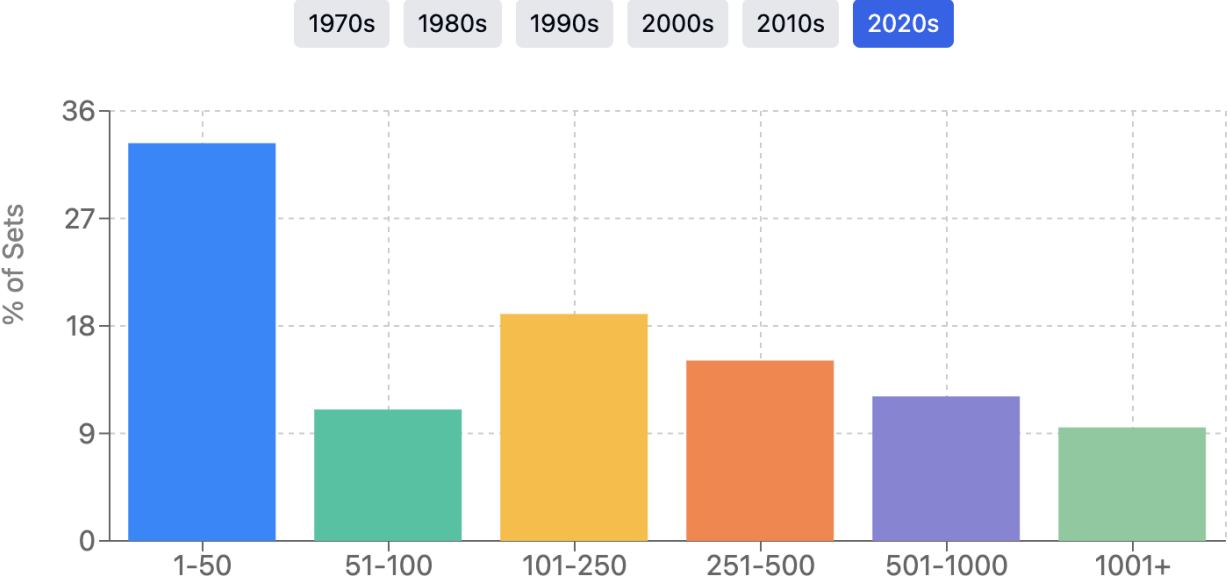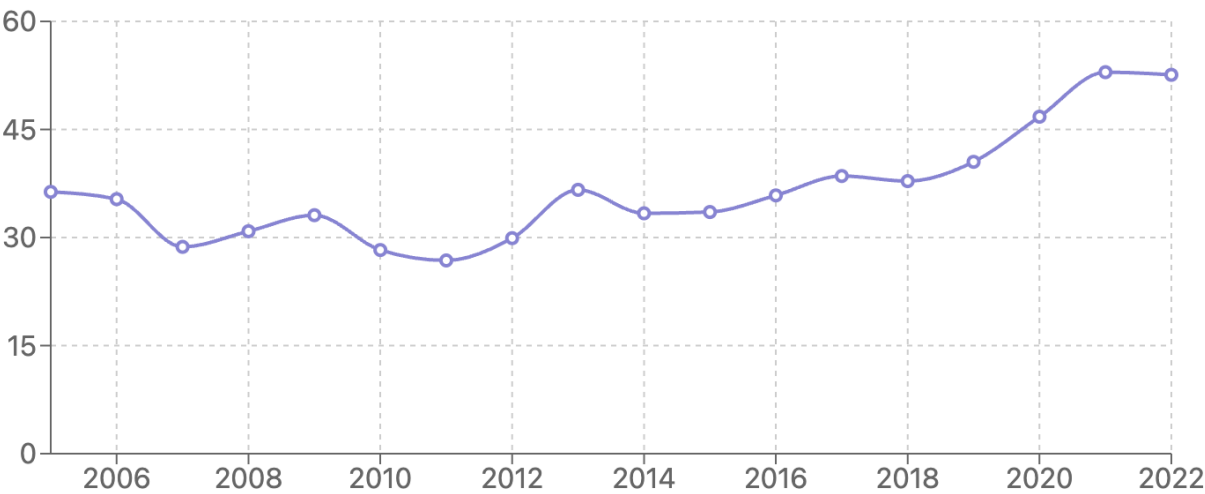## Average Piece Count by Decade

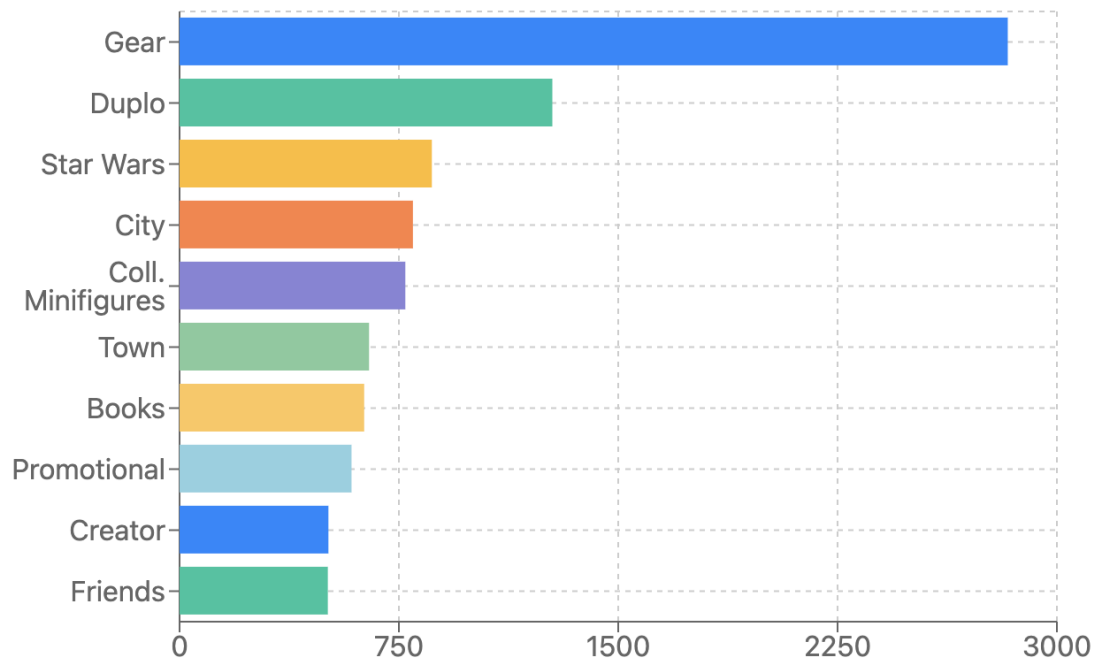## Average Piece Count Over Time

Growth of Licensed Themes

Set Size Distribution by Decade

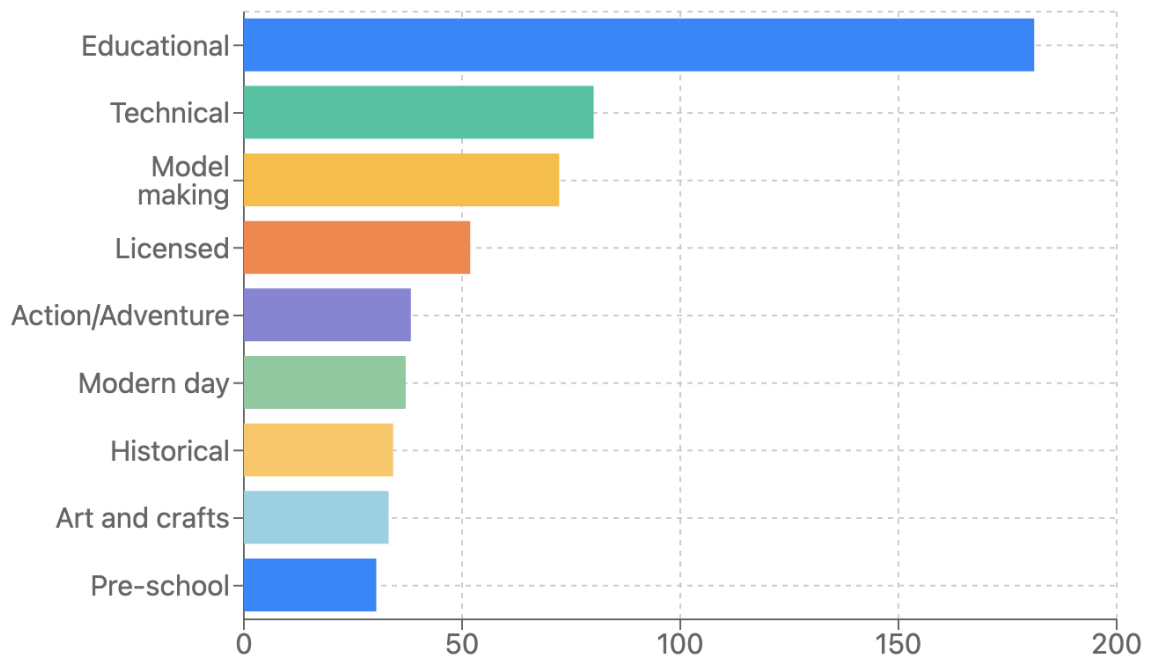1970s 1980s 1990s 2000s 2010s **2020s**

Average Price Trend (2005-2022)
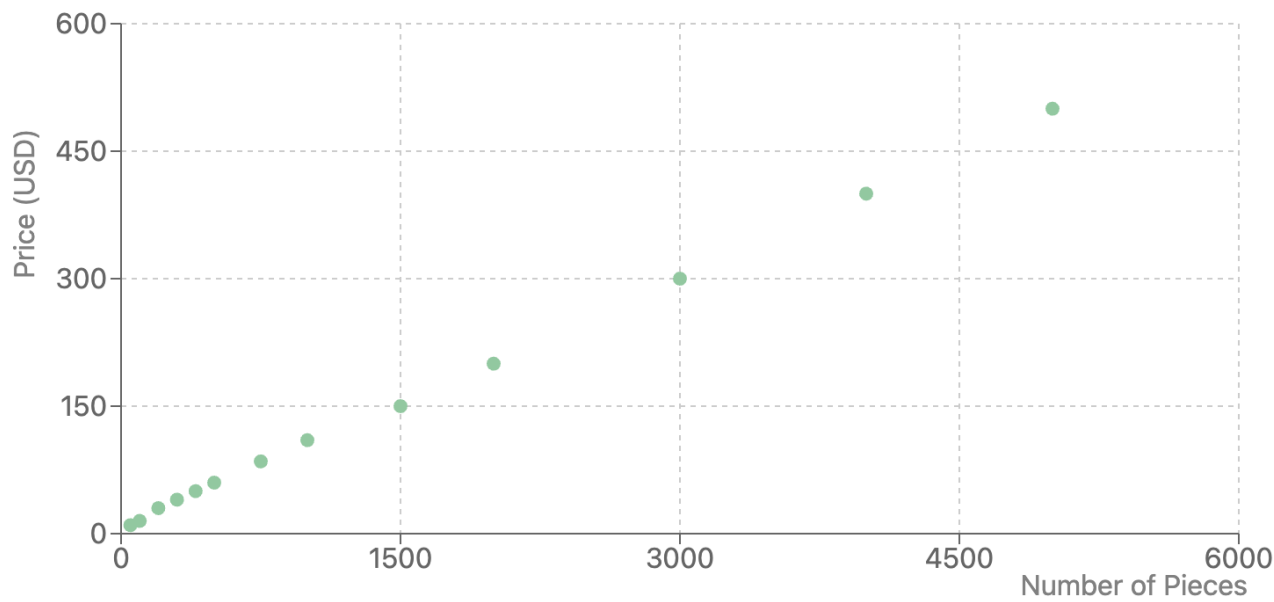
Top 10 LEGO Themes (All Time)

Average Price by Theme Group (2000+)

Pieces vs Price Correlation

Correlation coefficient: 0.87

Theme Group Evolution (% of Total Sets)