



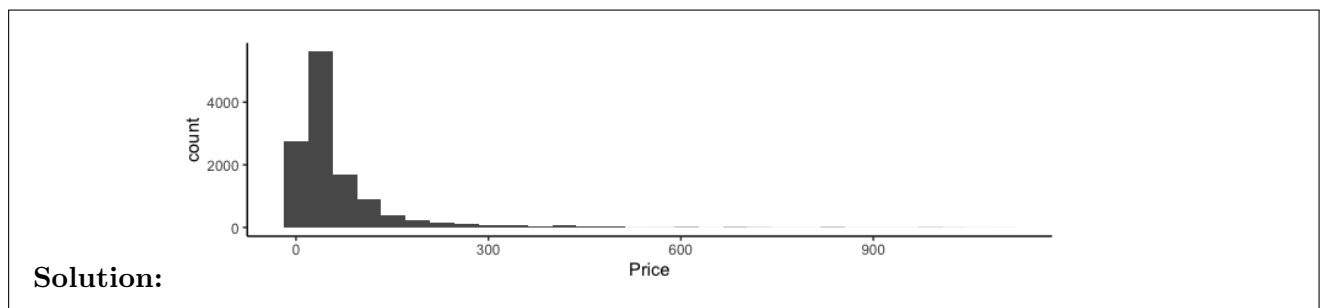
Probability

March 2, 2022

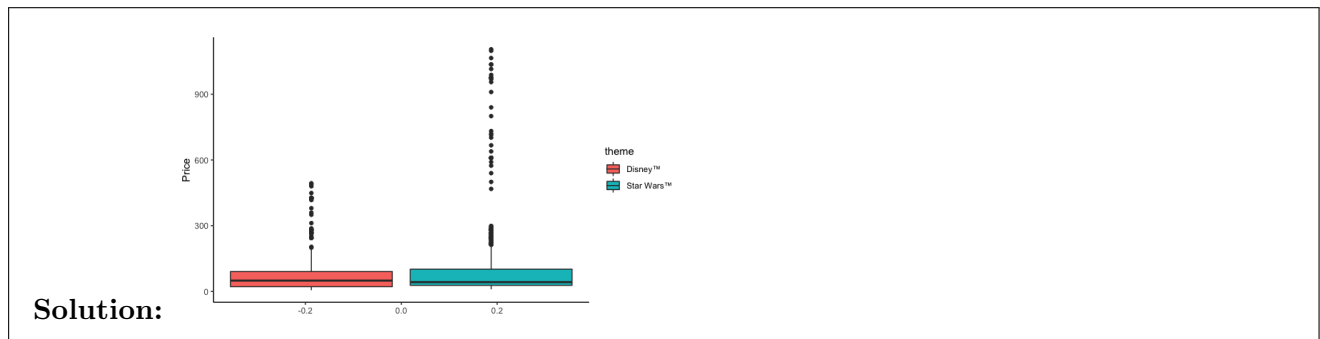
The Dataset

This dataset contains the LEGO Parts/Sets/Colors and Inventories of every official LEGO set in the Rebrickable database. These files are current as of July 2017. If you need it to be more recent data, you can use Rebrickable's API which provides up to date data, and additional features.

1. Visualize the distribution of lego set prices using a histogram and describe it.



2. Visualize the distribution of Prices for Star Wars and Disney themed sets using pairwise boxplots



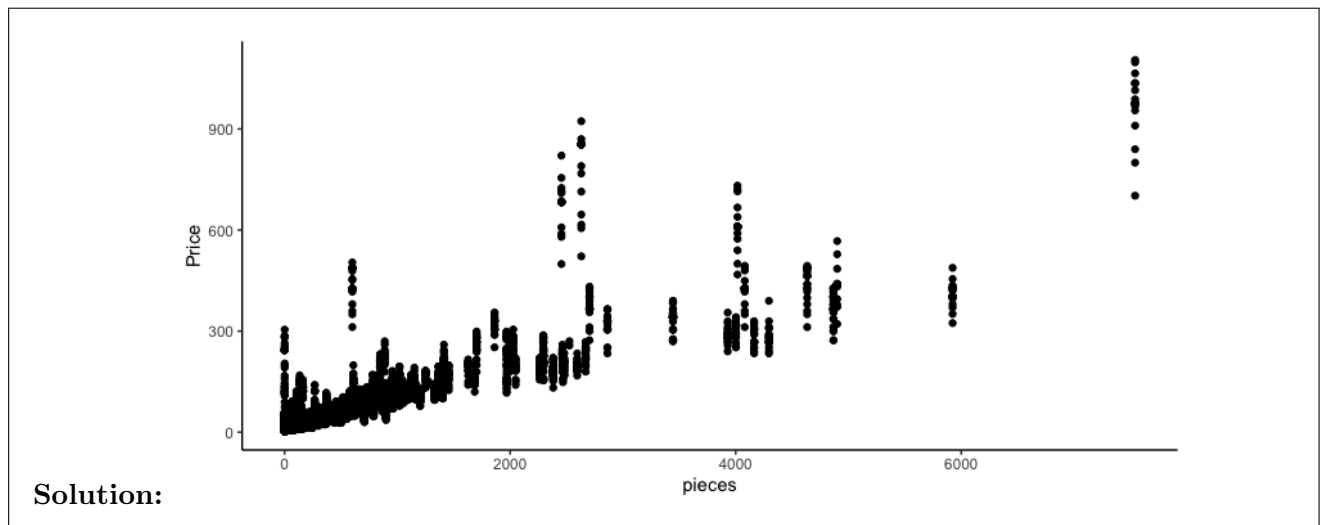
3. What proportion of lego sets are under \$80 and Star Wars Themed?

Solution: 0.07609494

4. Out of all city themed lego sets, what proportion have prices greater than \$80?

Solution: 0.1941392

5. Create a scatter plot of the price of a lego set vs. the number of pieces of a lego set. Does there appear to be a relationship?



6. Visualize the distribution of US Angry Birds Lego sets with prices less than \$50 using a box plot.

