

Determining the Influence of Different Variables on the Price of Ikea Products – a Regression Analysis

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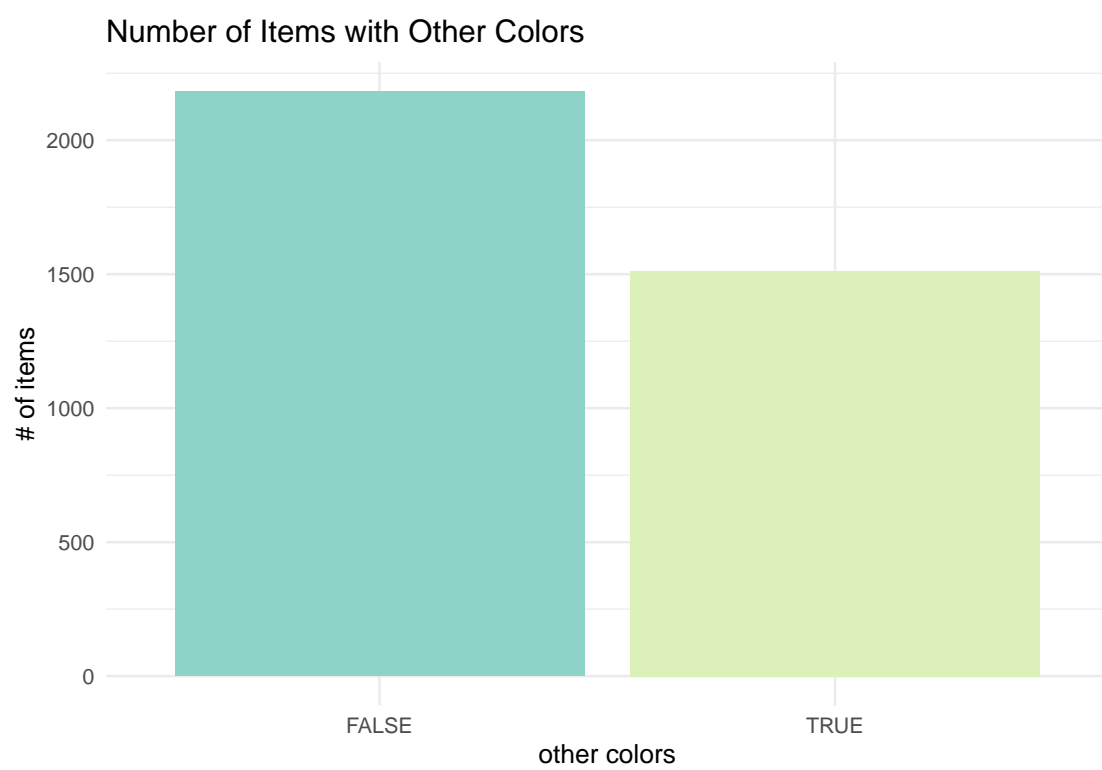
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List of Abbreviations

R Statistical Programming Language.

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Introduction

**Figure 1.1:** Sample plot

Theoretical Background & Research Question

2.1 Theoretical Background

The data set was obtained by a kaggle.com user (Reem Abdulrahman) by the means of webscraping techniques from the Saudi Arabian Ikea website in the furniture category on the 20th of April 2020. Noteworthy features include the name, category, price in Saudi Riyals, the designer and dimensions (width, height and depth). The data set has 13 variables and 2962 observations.

2.2 Research Question

This paper explores the influence for different variables on the price in the given data set. The motivating forces for this research question are the possible implications for price determination of new items.

3.1 Data Cleaning

Here we describe our tidying step (von Goethe 1829, pp. 33-35). Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

3.2 8 Step EDA (nice heading)

Here we describe our EDA after the ZUUR paper method. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore

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3.2.1 Step 1

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3.2.2 Step 2**3.2.3 Step 3****3.2.4 Step 4****3.2.5 Step 5****3.2.6 Step 6****3.2.7 Step 7****3.2.8 Step 8****3.3 Random Forest Regression Model**

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Results

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Discussion

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Individual Statements

6.1 Philip Krück

6.2 Johannes Pein

Appendices

A

Plots

A.1 Plot xyz

A.2 Plot abc

B

Another Appendix

Works Cited

Von Goethe, Johann Wolfgang (1829). *Wilhelm Meisters Wanderjahre oder die Entsagenden*. de. Cotta.