

Applied Data Analysis Capstone Project

Buying a home in Copenhagen

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1 Introduction

This report will present the analysis of housing prices and their increase over the last five years in the city districts of Copenhagen. It will further analyse the venues of the neighborhoods around the public transport system of Copenhagen's Metro as it allows to easily combine biking with other means of commuting, which is most common in Copenhagen. This project will allow people to evaluate an offer for a future home in terms of investment as well as in terms of venues that are important for the individual customer.

1.1 Background

Buying a place to live is an important decision in peoples lives. Firstly, financially buying a new home is a huge commitment. The home should therefore be affordable and not be overpriced compared to the housing prices in the area. From a financial perspective an area where house prices can expected to increase in future would be preferred.

Secondly, many other aspects of living have to be considered when finding a new home, such as how far it is to commute to work or schools, or how well the neighborhood is connected via public transport to the rest of the city. As a place to live people have different preferences for venues surrounding their home. As the attractiveness of each area is perceived differently by individual people, a similarity analysis between different neighborhoods will make it faster to find alternative neighborhoods that can be considered for future homes.

This project will make it easier to decide for the area of buying a home in Copenhagen as well as comparing an offer for a home to the average pricing and the financial perspective of the area.

1.2 Target audience

The analysis is targeted for people that are in the process of buying or considering to buy an apartment in Copenhagen. It aims to allow an easier and faster decision of where to search for a new home financially, but also from the aspect of attractiveness of a neighborhood. It further allows the customer to evaluate an explicit offer in regards of the average prices of apartments in the area, as well as the expected value increase in future for the place in question.