

Relocating to Cape Town, South Africa

COURSERA IBM DATA SCIENCE SPECIALIZATION CAPSTONE PROJECT
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Introduction & Purpose

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Introduction:

Currently I'm living in Margate, South Africa, situated on the south-eastern coastline of KwaZulu Natal.

I have accepted a new work opportunity and would have to relocate to Cape Town, South Africa, situated on the southern coastline of West Cape.

Purpose:

Finding a neighbourhood within Cape Town that offer similar or better characteristics to my current environment in Margate.

Target Audience:

This study is for my personal use, but the analysis is generic and could be useful to a broader audience.

Data

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The following data sources are used for creating datasets for analysis:

- ▶ A list of South African postal codes with:
 - ▶ Place Name, Latitude and Longitude from AggData <https://www.aggdata.com/free/south-africa-postal-codes>
 - ▶ <https://www.geonames.org/>
 - ▶ Municipal boundaries information from the Municipal Demarcation Board <http://www.demarcation.org.za/site/>
 - ▶ their borders in GeoJSON format from <http://mapit.code4sa.org/>
 - ▶ population, population density, area <http://www.citypopulation.de/>
- ▶ Foursquare API
 - ▶ For location specific amenities intelligence