

Fødevarepriser

New zealand

30 cm Python | Getting things done with Python | 26. maj 2018

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# Introduktion

På hjemmesiden <https://www.stats.govt.nz/large-datasets/csv-files-for-download> findes mange forskellige CSV-filer, som gratis kan downloades og bruges til dataanalyser. Dette projekt omhandler fødevarepriser i New Zealand, og data er dannet ud fra datasettet ’Food Price Index: March 2018’. Alle fødevarer er ikke blevet analyseret, kun et par enkelte er udvalgt, så der er derfor rig mulighed for videreudvikling af dette projekt.

# Kom i gang

Projektet kan klones herfra:

<https://github.com/menjaw/Python_Project>

Dataset kan downloades herfra: <https://raw.githubusercontent.com/menjaw/Python_Project/master/food-price-index-mar18-weighted-average-prices-csv-tables.csv.tsv>

Imports:

* pandas as pd
* from flask import Flask
* pygal

## Kør program

Terminal:

* python run.py

# Spørgsmål

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Spørgsmål | Endpoint | Fil |
| How many products have been tested? | <http://127.0.0.1:3000/1> | run.py |
| How many times have each product been tested? | <http://127.0.0.1:3000/2> | run.py |
| When was 'Tuna - canned' cheapest? | <http://127.0.0.1:3000/3> | run.py |
| When was 'Tuna - canned' most expensive? | <http://127.0.0.1:3000/4> | run.py |
| Show the cheapest products. | <http://127.0.0.1:3000/5> | run.py |
| Show the most expensive products. | <http://127.0.0.1:3000/6> | run.py |
| Show the top 10 cheapest food products. | <http://127.0.0.1:3000/7> | run.py |
| Show the top 10 most expensive food products. | <http://127.0.0.1:3000/8> | run.py |
| What was the average price for 1 kg bananas in 2012? | <http://127.0.0.1:3000/9> | run.py |
| What was the average price for 1 kg bananas in 2012? | <http://127.0.0.1:3000/10> | run.py |
| What was the price for 1 kg carrots in marts 2012? | <http://127.0.0.1:3000/11> | run.py |
| What was the price for 1 kg carrots in marts 2013? | <http://127.0.0.1:3000/12> | run.py |
| Show prices for kiwi in 2013. | <http://127.0.0.1:3000/13> | run.py |
| In which period was 1 kg kiwi most expensive and what was the price? (Show top 10) | <http://127.0.0.1:3000/14> | run.py |
| Show prices for apples in 2013. | <http://127.0.0.1:3000/15> | run.py |
| Show prices for bananas in 2013. | <http://127.0.0.1:3000/16> | run.py |
| Show prices for lettuce in 2013. | <http://127.0.0.1:3000/17> | run.py |
| Pie over fruit prices in 2018 | <http://127.0.0.1:3000/plot> | newPlot.py |
| Box over fruit prices in 2013 | <http://127.0.0.1:3000/box-fruit-2013> | price\_box.py |