Developing Data Products Course Project

Energy Consumption Plots for New Houses

Pooya F. December 2017
Part of Coursera Data Science Specialization

Description

The Shiny App along with this presentation is showing a plot for energy consumption. the listed energies are:

- gas

- electricity

- water

for the years 2013 to 2015.

How it Works

Using the "consumption" data set, the data regarding 3 energies that are used in homes these days are gathered. for each selected year (2013 through 2015) You can choose type of energy and the app will show you the plot for consumption of that energy during the selected year.

Usage

It can help people to have an estimate of monthly bill payment for these 3 energies, here is the code to run and get the price for the first months in 2013.

```
##          Date PriceGas PriceElec PriceWater
## 60 2013-02-17    76.33     22.52       4.64
## 61 2013-02-24    68.11     14.51       1.41
## 62 2013-03-03    70.04     22.14       4.96
## 63 2013-03-10    39.01     20.42       4.70
## 64 2013-03-17    64.24     20.62       4.97
## 65 2013-03-24    56.55     21.00       4.52
## 66 2013-03-31    59.99     20.04       5.17
## 67 2013-04-07    49.51     22.52       5.65
## 68 2013-04-14    30.85     23.10       5.10
## 69 2013-04-21    14.68     18.71       4.84
## 70 2013-04-28    15.17     18.52       5.14
```

Shiny App and Github

- Nthe shiny app wrote for this project can be accessed via the following link

- https://dataspf.shinyapps.io/dev-data-products-master/

- github containing other files:

- https://github.com/Pooyafarah/DDP_CourseProject