Testing a very basic function in R

Default chunk options

Required libraries

```
library(RPostgreSQL)
## Loading required package: DBI
library(tidyverse)
## -- Attaching packages -----
## √ readr
         1.1.1  √ forcats 0.2.0
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                 masks stats::lag()
library(dbplyr)
##
## Attaching package: 'dbplyr'
## The following objects are masked from 'package:dplyr':
##
##
      ident, sql
library(rjson)
library(DBI)
```

Get the auxiliary data

```
source("get_HMRC_aux_data.R")
list1 <- get_HMRC_aux_data()
comcode <- data.frame(Reduce(rbind, list1[1]))
port <- data.frame(Reduce(rbind, list1[2]))
country <- data.frame(Reduce(rbind, list1[3]))</pre>
```

Find the comcodes for

- Chicken
- Beef
- Cucumbers (watch out, beacuse there are sea cucumbers!)

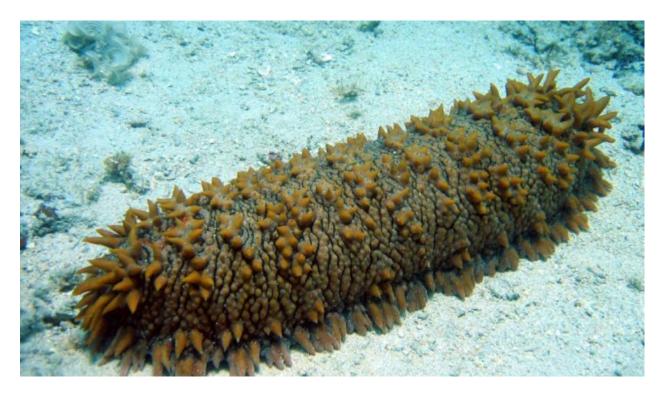


Figure 1: A sea cucumber in all its glory. This creature kills hundreds of people every year.

```
cc_chicken <- comcode[grep('CHICKEN', toupper(comcode$description)),]
cc_all_cucumber <- comcode[grep('CUCUMBER', toupper(comcode$description)),]
cc_cucumber <- cc_all_cucumber[grep('VEGETABLES',toupper(cc_all_cucumber$description)),]
cc_beef <- comcode[grep('BEEF', toupper(comcode$description)),]</pre>
```

This is Warren's magic with a little bit of extra work

```
source("get_Comtrade_data.R")
polish_chicken <- get_Comtrade_data(201601,201601,"default","02071","616") %>%
    select(-classification,-aggregate_level,-is_leaf_code,-trade_flow_code)
spanish_cucumber <- get_Comtrade_data(201601,201601,"default","2001","724") %>%
    select(-classification,-aggregate_level,-is_leaf_code,-trade_flow_code)
brazilian_beef <- get_Comtrade_data(201601,201601,"default","16025","76") %>%
    select(-classification,-aggregate_level,-is_leaf_code,-trade_flow_code)
```

Get the price in usd per kilogram

Plot the pdf of the polish chicken in Exports

