HW4: Programming

Ignacia Rivera, Lina Barbosa, Rucha Thakar May 23, 2017

Creating Dataset example

Data Visualization

knitr::kable(catch)

fish	A	В	С	D	Е	F
Cod	80	284	207	115	81	145
Dab	112	199	116	234	116	180
Greysole	172	189	231	281	5	149
Haddock	273	19	150	64	115	56
Hake	61	62	216	196	261	249
Pollock	270	53	298	38	103	201

knitr::kable(prices)

fish	price
Cod	3.15
Dab	2.85
Greysole	5.56
Haddock	2.44
Hake	2.21
Pollock	1.59

Using fish_function

```
source('~/Documents/GitHub/Rivera_ESM262/HW4/fish_function.R')
Example <- fish_function(prices = prices, catch = catch, plot = T)</pre>
```

Extract most frequent fish

```
Example$frequent_fish %>%
knitr::kable()
```

Site	fish
A	Haddock
В	Cod
\mathbf{C}	Pollock
D	Greysole
\mathbf{E}	Hake
F	Hake

Extract total revenue by site

```
Example$site_revenue %>%
knitr::kable()
```

Site	Revenue
A	2757.75
В	2780.24
\mathbf{C}	3584.19
D	3241.25
\mathbf{E}	1634.73
F	2804.71

The total fisheries sum is 5581

Plot

Example\$plot

Total revenue by site

Dashed line represents total revenue

