Sporadic Retail Inflation

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* To avoid confusion & speculation, the surnames are not a coincidence: Emma is Andrew’s daughter.
How to get screwed on Valentine’s Day
Current retail pricing data.
Historical retail pricing data.
So we gathered some data.

* Actually we built a web scraping framework to systematically gather those data.
And wrapped it in an API.
### retailer

<table>
<thead>
<tr>
<th>Method</th>
<th>Endpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>/retailer</td>
</tr>
<tr>
<td>GET</td>
<td>/retailer/{id}</td>
</tr>
<tr>
<td>HEAD</td>
<td>/retailer/{id}/product</td>
</tr>
</tbody>
</table>

### product

<table>
<thead>
<tr>
<th>Method</th>
<th>Endpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>/product/{id}</td>
</tr>
<tr>
<td>HEAD</td>
<td>/product/{id}/price</td>
</tr>
<tr>
<td>GET</td>
<td>/product/{id}/price</td>
</tr>
</tbody>
</table>
[{
  "product_id": 531589,
  "time": "2020-02-22T01:00:32+00:00",
  "price": 55,
  "price_promotion": null,
  "available": null
},
{
  "product_id": 531589,
  "time": "2020-02-15T01:00:02+00:00",
  "price": 55,
  "price_promotion": 45,
  "available": null
},
{
  "product_id": 531589,
  "time": "2020-02-08T00:43:46+00:00",
  "price": 51.99,
  "price_promotion": 45,
  "available": null
}]
> remotes::install_github("datawookie/retail")
> library(retail)
> retailer()
# A tibble: 63 x 4

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
<th>url</th>
<th>currency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EEM Technologies</td>
<td><a href="https://www.eemtechnologies.com/">https://www.eemtechnologies.com/</a></td>
<td>USD</td>
</tr>
<tr>
<td>2</td>
<td>Clicks</td>
<td><a href="https://clicks.co.za/">https://clicks.co.za/</a></td>
<td>ZAR</td>
</tr>
<tr>
<td>3</td>
<td>Dischem</td>
<td><a href="https://www.dischem.co.za/">https://www.dischem.co.za/</a></td>
<td>ZAR</td>
</tr>
<tr>
<td>4</td>
<td>Game</td>
<td><a href="https://www.game.co.za/">https://www.game.co.za/</a></td>
<td>ZAR</td>
</tr>
<tr>
<td>5</td>
<td>Woolworths</td>
<td><a href="https://www.woolworths.co.za/">https://www.woolworths.co.za/</a></td>
<td>ZAR</td>
</tr>
<tr>
<td>6</td>
<td>Fortnum &amp; Mason</td>
<td><a href="https://www.fortnumandmason.com/">https://www.fortnumandmason.com/</a></td>
<td>GBP</td>
</tr>
<tr>
<td>7</td>
<td>John Lewis</td>
<td><a href="https://www.johnlewis.com/">https://www.johnlewis.com/</a></td>
<td>GBP</td>
</tr>
<tr>
<td>8</td>
<td>Marks &amp; Spencer</td>
<td><a href="https://www.marksandspencer.com/">https://www.marksandspencer.com/</a></td>
<td>GBP</td>
</tr>
<tr>
<td>9</td>
<td>Pick 'n Pay</td>
<td><a href="https://www.pnp.co.za/">https://www.pnp.co.za/</a></td>
<td>ZAR</td>
</tr>
<tr>
<td>10</td>
<td>Makro</td>
<td><a href="https://www.makro.co.za/">https://www.makro.co.za/</a></td>
<td>ZAR</td>
</tr>
</tbody>
</table>

# ... with 53 more rows
> retailer_products(5)
# A tibble: 24,514 x 4

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
<th>brand</th>
<th>sku</th>
</tr>
</thead>
<tbody>
<tr>
<td>611</td>
<td>Pattern Cotton Boxers 2 Pack</td>
<td>(&amp;US)</td>
<td>6009214703176</td>
</tr>
<tr>
<td>611</td>
<td>Nautical Cotton Shirt</td>
<td>(&amp;US)</td>
<td>6009214476001</td>
</tr>
<tr>
<td>611</td>
<td>COUNTRY ROAD Spliced T-Shirt</td>
<td>Country Road</td>
<td>9340243972506</td>
</tr>
<tr>
<td>612</td>
<td>Restlessness Flatbill Cap</td>
<td>(&amp;US)</td>
<td>6009214695327</td>
</tr>
<tr>
<td>612</td>
<td>Adjustable Camo Woven Cargo Shorts</td>
<td>(&amp;US)</td>
<td>6009214749846</td>
</tr>
<tr>
<td>612</td>
<td>Cage Leather Sandals (Size 4-13) Younger Boy Walkmates</td>
<td>6009214643793</td>
<td></td>
</tr>
<tr>
<td>612</td>
<td>COUNTRY ROAD Pull On Short</td>
<td>Country Road</td>
<td>9324268753876</td>
</tr>
<tr>
<td>612</td>
<td>Grey Drawstring Denim Shorts</td>
<td>(&amp;US)</td>
<td>6009214443881</td>
</tr>
<tr>
<td>613</td>
<td>Striped Cotton Rich Trunks 3 Pack</td>
<td>(&amp;US)</td>
<td>6009214351247</td>
</tr>
<tr>
<td>613</td>
<td>Stripe Cotton Rich Socks 5 Pack</td>
<td>(&amp;US)</td>
<td>6009211149021</td>
</tr>
</tbody>
</table>

# ... with 24,504 more rows
> product(531589)
# A tibble: 1 x 4
   id     name                  sku                   barcodes
  <int> <chr>                   <chr>                  <chr>
1  531589 Nederburg Lyric 750ml 0000000000000230428_EA 6001452314503

> product_prices(531589)
# A tibble: 4 x 4
   product_id time                      price price_promotion
     <int> <chr>                      <dbl>            <dbl>
 1      531589 2020-02-22T01:00:32+00:00  55.0            NA
 2      531589 2020-02-15T01:00:02+00:00  55.0             45
 3      531589 2020-02-08T00:43:46+00:00  52.0             45
 4      531589 2020-02-01T00:57:02+00:00  52.0             45
How to get screwed on Valentine’s Day
Want to get screwed? Buy roses.
Tell that someone special in your life that you love them with this romantic bouquet of 15 red roses in a heart sleeve.
Valentine’s Day

screwed

on

not to get

How

get

not to

on

How
Don’t want to get screwed? Buy beer.
6 Craft Beers & Snacks

R399.90

Craft Beer Crate & Snacks

This gift hamper is made up of the following beers and snacks in a locally manufactured, custom made wooden crate:

- 6 Local Craft Beers
- Giant Salted Nuts (200g)
- Beef Biltong (200g)
- Beef Driew Vars (200g)
EXEGETIC

helping you not get screwed on Valentine’s Day
Get in touch if you’re interested in retail price data!

Homepage:  https://datawookie.github.io/retail/
GitHub:  https://github.com/datawookie/retail/

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