

Package ‘cocktailApp’

August 19, 2018

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Version 0.2.0

Date 2018-08-19

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Title 'shiny' App to Discover Cocktails

BugReports <https://github.com/shabbychef/cocktailApp/issues>

Description A 'shiny' app to discover cocktails. The app allows one to search for cocktails by ingredient, filter on rating, and number of ingredients. The package also contains data with the ingredients of nearly 16 thousand cocktails scraped from the web.

Depends R (>= 3.0.2), shiny

Imports shinythemes, dplyr, tidyr, tibble, ggplot2, magrittr, Ternary, forcats, DT

Suggests testthat

URL <https://github.com/shabbychef/cocktailApp>

Collate 'cocktailApp.r'

RoxygenNote 6.0.1

NeedsCompilation no

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Repository CRAN

Date/Publication 2018-08-19 16:40:02 UTC

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cocktailApp-package *Shiny app to discover cocktails.*

Description

Shiny app to discover cocktails.

Legal Mumbo Jumbo

cocktailApp is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

Note

This package is maintained as a hobby.

Author(s)

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cocktailApp *cocktailApp .*

Description

A shiny app to explore cocktails. The app allows you to enter ingredients that a cocktail must have, or ingredients that it must not have. One can filter by number of ingredients, minimum rating, minimum 't stat' (computed as the rating minus the T stat zero all multiplied by the square root of the number of ratings). One can also search for cocktail by regex.

In the main tab, titled "drinks", one can find a table with the summaries of matching cocktails. Selecting rows of this table will cause the cocktail table below to be populated with more details on each selected cocktail. Selecting rows will also populate the bar chart in the "plots" tab.

If two or more ingredients are selected, drinks with non-zero quantities of both of these will be shown in a ternary plot in the "tern" tab.

In the "other" tab is a table with common co-ingredients of the selected ingredients. A co-ingredient is an ingredient that commonly occurs with the selected ingredient, as measured by the number of cocktails, and by 'rho', which is like a correlation based on the proportion.

A checkbox labelled, "Hobson's Choice" allows you to populate the cocktail table with five random cocktails that meet the numerical filters on number of ingredients, rating, and so on, but which do not meet the ingredient selections. Unselecting and re-selecting the checkbox selects a new set of random cocktails. Note that the random selection is not responsive to changes in the numerical filters.

Usage

```
cocktailApp(page_title = "Drink Schnauzer")
```

Arguments

`page_title` an optional page title for the app. A NULL value causes no page title to be used.

Value

Runs the shiny app.

Screenshots

The main page looks as follows. In this case the user has selected two ingredients, 'Benedictine' and 'Bourbon'. The user has modified some of the numeric filters resulting in only six cocktails in the cocktail table on the right in the main tab.

The screenshot shows the main interface of the cocktailApp. On the left, there are several filter sections: 'Must Have' (Benedictine, Bourbon), 'Join by' (AND), 'Must Not Have', 'Sources' (diffordsguide, kindredcocktails), 'Name Regex' (^sazerac), and three sliders for 'Maximum Ingredients' (set to 4), 'Maximum Unlisted Ingredients' (set to 3), and 'Minimum Rating' (set to 4). The main content area has tabs for 'drinks', 'ternary', 'plots', and 'other'. Below the tabs, there is a search bar and a 'Show 15 entries' dropdown. A message says 'Matching cocktails. Click on a row to populate the ingredients table below.' Below this is a table with columns 'rating', 'tstat', 'cocktail', and 'description'. The table contains six rows of data. At the bottom, there is an 'Ingredients Table' with columns 'cocktail', 'amt', 'unit', and 'ingredient'.

rating	tstat	cocktail	description
5	11	Vieux Carré Cocktail	Bourbon, Cognac, Martini Rosso Vermouth, Benedictine.
4.5	8.9	Preakness Manhattan	Bourbon, Benedictine, Martini Rosso Vermouth, Cognac.
4	6.7	De La Louisiane #1	Bourbon, Chilled Water, Benedictine.
4	6.7	De La Louisiane #2 (equal parts bourbon)	Bourbon, Benedictine, Martini Rosso Vermouth, La Fee Parisienne Absinthe.
4	6.7	Royalist Cocktail	Noilly Prat Extra Dry, Bourbon, Benedictine.
4.75	6.4	Manhattan (Bénédictine)	Bourbon, Benedictine, Sweet Vermouth, Orange Bitters.

In the next screenshot, the user has selected two of the rows of the cocktail table, which causes the ingredients table on the lower right to be populated with the recipes of the selected cocktails. Instead one could click on the linked cocktail names to be taken to the upstream source of the recipe, which is recommended since those pages typically have better instructions.

Must Have:
Benedictine Bourbon

Join by:
AND

Must Not Have:

Sources:
diffordsguide
kindredcocktails

Name Regex:
^sazerac

Select for random cocktails:
 Hobson's Choice!

Maximum Ingredients:
1 4 20

Maximum Unlisted Ingredients:
1 3 20

Minimum Rating:
1 4 5

drinks ternary plots other

Select rows from this table to see the recipe below and also in the plot tab.

Show 15 entries Search:

Matching cocktails. Click on a row to populate the ingredients table below.

rating	tstat	cocktail	description
5	11	Vieux Carré Cocktail	Bourbon, Cognac, Martini Rosso Vermouth, Benedictine.
4.5	8.9	Preakness Manhattan	Bourbon, Benedictine, Martini Rosso Vermouth, Cognac.
4	6.7	De La Louisiane #1	Bourbon, Chilled Water, Benedictine.
4	6.7	De La Louisiane #2 (equal parts bourbon)	Bourbon, Benedictine, Martini Rosso Vermouth, La Fee Parisienne Absinthe.
4	6.7	Royalist Cocktail	Noilly Prat Extra Dry, Bourbon, Benedictine.
4.75	6.4	Manhattan (Bénédictine)	Bourbon, Benedictine, Sweet Vermouth, Orange Bitters.

Showing 1 to 6 of 6 entries Previous 1 Next

Ingredients Table:

cocktail	amt	unit	ingredient
Preakness Manhattan	1.50	fl oz	Bourbon whiskey
Preakness Manhattan	0.25	fl oz	Cognac
Preakness Manhattan	0.50	fl oz	Benedictine D.O.M.
Preakness Manhattan	0.50	fl oz	Martini Rosso vermouth
Preakness Manhattan	3.00	dash	Angostura Aromatic Bitters
Preakness Manhattan	1.00	garnish	Lemon zest twist
Royalist Cocktail	1.50	fl oz	Noilly Prat Extra Dry
Royalist Cocktail	1.00	fl oz	Bourbon whiskey
Royalist Cocktail	0.75	fl oz	Benedictine D.O.M.
Royalist Cocktail	1.00	dash	Peach bitters
Royalist Cocktail	1.00	dash	Bonnie's Orange

In the following screenshot, the user has selected two ingredients, 'Benedictine' and 'bourbon', then clicked on the 'plots' tab, then selected the 'plots' tab. This shows a bar plot of the proportions of all ingredients in all the selected cocktails.

Must Have:
Benedictine Bourbon

Join by:
AND

Must Not Have:

Sources:
diffordsguide
kindredcocktails

Name Regex:
^sazerac

Select for random cocktails:
 Hobson's Choice!

Maximum Ingredients:
1 4 20

Maximum Unlisted Ingredients:
1 3 20

Minimum Rating:
1 4 5

drinks ternary plots other

A bar plot of ingredients in the selected cocktails. If nothing appears here, select rows of the table in the "drinks" tab to populate.

selected drinks

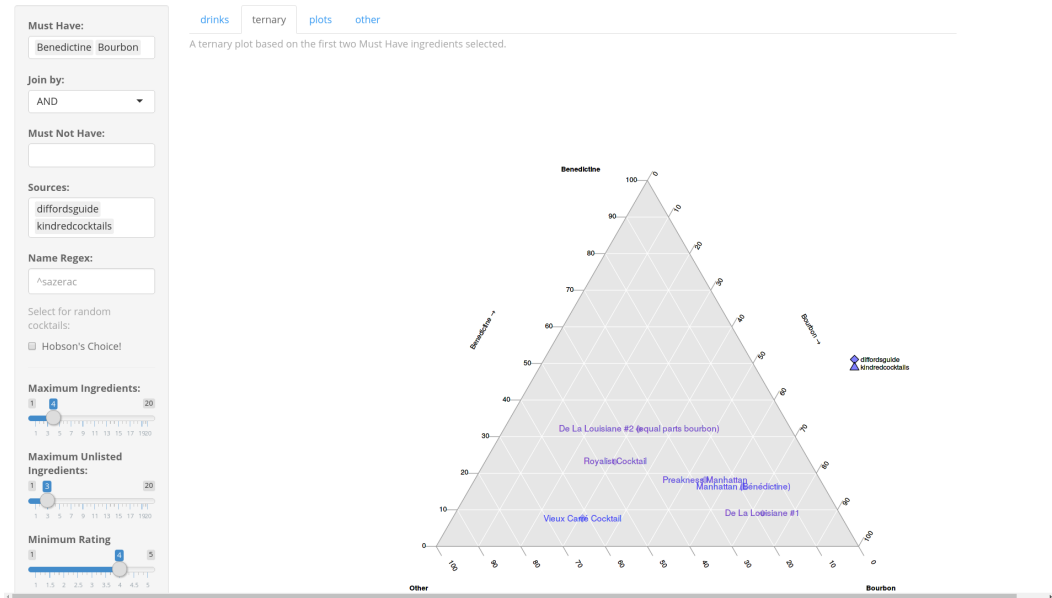
Ingredient

amount (%)

cocktail

- Preakness Manhattan
- Royalist Cocktail

In this screenshot, the user has selected two ingredients, 'Benedictine' and 'bourbon', then clicked on the 'ternary' tab, which shows a ternary plot of the proportions of cocktails with non-zero proportions of the first two selected ingredients. The third dimension of the ternary plot is 'other' ingredients.



In this screenshot, the user has checked the “Hobson’s Choice” box, which adds 5 random cocktails to the cocktail table.

Select rows from this table to see the recipe below and also in the plot tab.

Show 15 entries Search:

Matching cocktails. Click on a row to populate the ingredients table below.

rating	tstat	cocktail	description
5	11	Vieux Carré Cocktail	Bourbon, Cognac, Martini Rosso Vermouth, Benedictine.
4.5	8.9	Black Diamond	Bacardi Carta Blanca Light Rum, Gabriel Boudier Dark Creme De Cacao, Espresso Coffee.
4.5	8.9	Blinker	Bourbon, Freshly Squeezed Pink Grapefruit Juice, Giffard Grenadine Syrup.
4.5	8.9	Preakness Manhattan	Bourbon, Benedictine, Martini Rosso Vermouth, Cognac.
4.5	8.9	Gin Tonica	Tonic Water, Rutte Dry Gin.
4	6.7	Bearskin Martini	Ketel One Vodka, Mentzendorff Kummel Liqueur, Nolly Prat Extra Dry.
4	6.7	De La Louisiane #1	Bourbon, Chilled Water, Benedictine.
4	6.7	De La Louisiane #2 (equal parts bourbon)	Bourbon, Benedictine, Martini Rosso Vermouth, La Fee Parisienne Absinthe.
4	6.7	Royalist Cocktail	Nolly Prat Extra Dry, Bourbon, Benedictine.
4	6.7	French Bison-Tini	Zubrowka Bison Vodka, Fresh Pressed Pineapple Juice, Black Raspberry Liqueur.
4.75	6.4	Manhattan (Bénédictine)	Bourbon, Benedictine, Sweet Vermouth, Orange Bitters.

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Ingredients Table:

cocktail	amt	unit	ingredient
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Author(s)

Steven E. Pav <shabbychef@gmail.com>

Examples

Not run:
cocktailApp()

```
## End(Not run)
```

```
cocktailApp-NEWS      News for package 'cocktailApp':
```

Description

News for package ‘cocktailApp’

cocktailApp Version 0.2.0 (2018-08-19)

- adding another source.
- adding “Hobson’s Choice” button.
- removing dependency on ‘ggtern’, replacing with ‘Ternary’.

cocktailApp Initial Version 0.1.0 (2018-07-05)

- first CRAN release.

```
cocktails             Cocktails Data
```

Description

Ingredients of over 26 thousand cocktails, scraped from the web.

Usage

```
cocktails
```

Format

A `data.frame` object with around 117,000 rows and 12 columns. The data were scraped from four websites: Difford’s guide, Webtender, and Kindred Cocktails, all scraped in late 2017; and Drinks Mixer, scraped in mid 2018.

The columns are defined as follows:

`amt` The numeric amount of the ingredient.

`unit` The unit corresponding to the amount. The most common entry is `fl oz`, which is the unit for ‘main’ ingredients. The second most common entry is `garnish`. These two units account for over 95 percent of the rows of the data.

`ingredient` The name of the ingredient. These may have odd qualifiers, or brand specifications. Some of these qualifications are stripped out in the `short_ingredient` field.

`cocktail` The name of the cocktail.

`rating` The rating assigned to the cocktail in the upstream database. For some sources, the ratings have been rescaled. Ratings are on a scale of 0 to 5.

`upstream_id` An ID code from the upstream source.

`url` The upstream URL.

`votes` The number of votes in the rating, from the upstream database. Not always available.

`added` The date the cocktail was added to the upstream database. Not always available.

`src` The source of the cocktail, as listed in the upstream database. Usually not available.

`short_ingredient` A shortened form of the ingredient, stripping away some of the qualifiers. This is subject to change in future releases of this package, when a better term extraction solution is found.

`proportion` For ingredients where the unit is fl oz, this is the proportion of the given cocktail that consists of the given ingredient. For a given cocktail, the proportions should sum to one.

Note

The data were scraped from several websites, which falls in a legal gray area. While, in general, raw factual data can not be copyright, there is a difference between the law and a lawsuit. The package author in no way claims any copyright on this data.

Source

Difford's Guide, <http://www.diffordsguide.com/>, Webtender, <http://www.webtender.com>, Kindred Cocktails, <http://kindredcocktails.com>, Drinks Mixer, <http://www.drinksmixer.com>.

Examples

```
data(cocktails)
str(cocktails)

require(dplyr)
cocktails %>%
  filter(short_ingredient %in% c('Averna', 'Bourbon')) %>%
  group_by(cocktail, url) %>%
  mutate(isok=n() > 1) %>%
  ungroup() %>%
  filter(isok) %>%
  arrange(desc(rating), cocktail) %>%
  select(cocktail, ingredient, amt, unit, rating) %>%
  head(n=8)
```

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