

TopicModelTool/LDA Viz x Topic Model Viz Tool Gordon

<https://rcloud.research.att.com/edit.html?notebook=134185eb263c439c2aed#>

RCloud Research Lake jmyneri - [TopicModelTool/LDA Viz 4b: Topic Summary] (read-only) Advanced Logout

Notebooks

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- Python
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  - LDA Viz 1a: UploadData 7/3/14 8:47 ☆
  - LDA Viz 1b: Search 11/5/14 3:06 ☆
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  - LDA Viz 4b: Topic Summary 8/3/14 14:52 ☆**
  - LDA Viz 4c: Topic by Word 6/30/14 15:24 ☆
  - LDA Viz Login 7/17/14 1:56 ☆
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Q Search

Settings

Help

RCloud 1.3.2 (master/6f856d3), R version 3.1.2 Patched (2015-02-15 r67832)  
Welcome, gordon

cell 1 R

```
1 library(rcloud.web)
2 library(stringr)
3 library(ldatools, lib.loc="/shared/rcloud/data/home/kshirley/library/")
4 library(tm)
5
6 # load utility functions
7 fn.utils.source <- rcloud.get.asset("utils.R",notebook="fbc7ee130cb480c0702d")
8
9 # set some global variables
10 master.project <- ""
11 master.config <- ""
12
13 # Set page title
14 rcw.set("title", "Topic Model Viz Tool")
15
16 # Set CSS headers not found in mini.html
17 rcloud.install.css("/notebook.R/jmyneri/TopicModelTool/includeFiles/bootstrap.css")
18 rcloud.install.css("/notebook.R/jmyneri/TopicModelTool/includeFiles/navbar-fixed-top.css")
19
20 # Read the projects that the user already created and populate the Data set
21 Name box
22 models.list <- readlines("~/TopicModel/conf/mymodels.txt", n = -1, ok = TRUE, warn = FALSE)
23
24 html.datalist <- "<option value='selectnone'>(none selected)</option> "
25 for (i in models.list) {
26   model.i <- str_trim(i)
27   if (model.i != "") {
28     html.datalist <- paste(html.datalist, "<option value='",
29                           model.i,">",model.i,"</option>")
30   }
31 }
32
33 # Prepare the body
34 html.navbar <- rcloud.get.asset("navbar.html",notebook="fbc7ee130cb480c0702d")
35 html.body <-
36   rcloud.get.asset("topicsummary.html",notebook="134185eb263c439c2aed")
37   html.body <- gsub("<navbarhtml>",html.navbar,html.body)
```

Assets

scratch.R topicssummary.html

```
4 var projectName;
5 var configName;
6
7 // when project name is entered populate configurations
8 $('#project').change(function() {
9   projectName = $('#project').val();
10   if (projectName) {
11     $('#config-name').empty();
12     $('#select-results').empty();
13     window.notebook_result.populate_config(projectName,
14     function(err,value) { if (err) {
15       $('#select-results').append(
16         bootstrap_utils.alert({
17           'class': 'alert-danger',
18           text: err
19         });
20       });
21     } else {
22       $('#config-name').append(value);
23     }
24   }
25 });
26
27
28 $('#submit-search').click(function() {
29
30   // clear containers
31   $('#select-results').empty();
32   $('#topicsummary-errors').empty();
33
34   configName = $('#config-name').val();
35   if ((projectName != 'selectnone') && (configName !=
```

File Upload

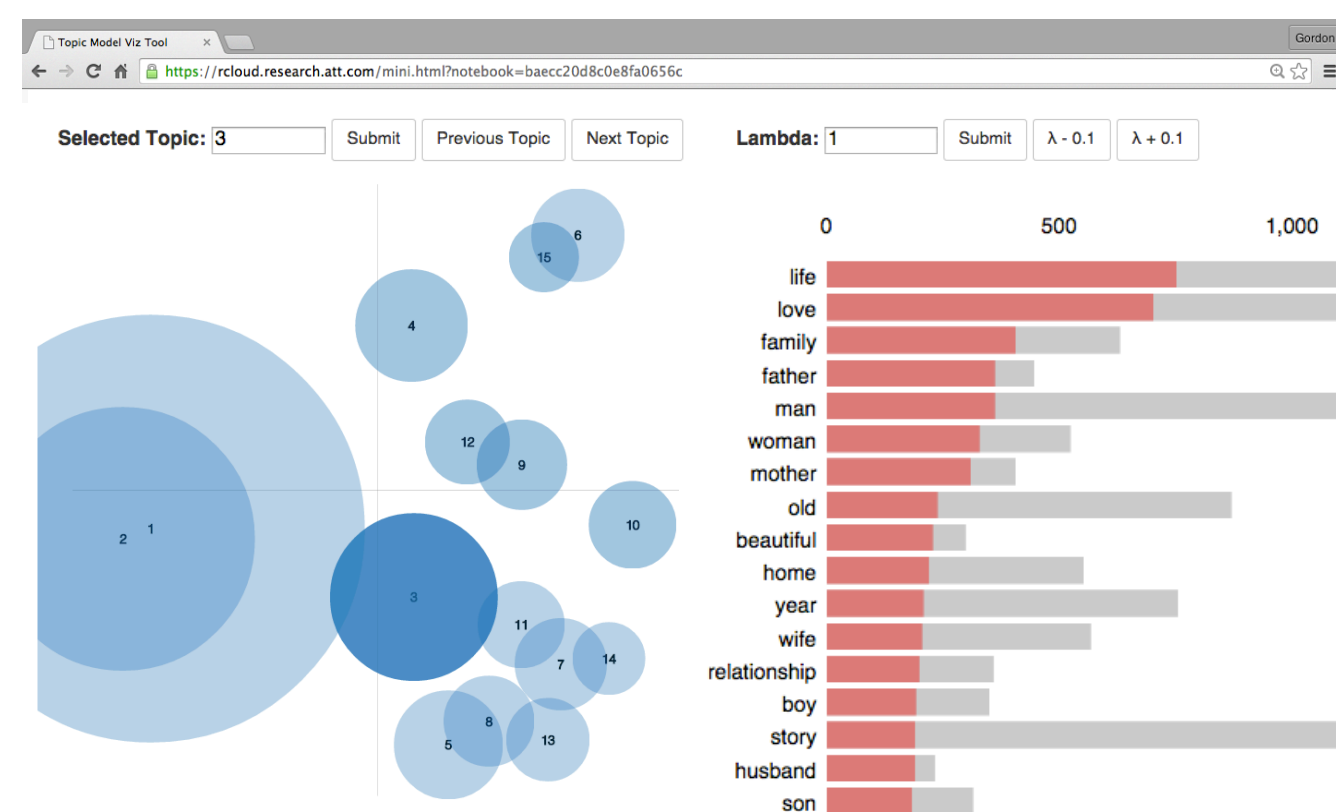
Workspace

Dataframe

Comments

Session

topic visualization application, inside RCloud editor



Topic visualization application, deployed in RCloud