```
library(dplyr)

rladies_global %>%
  filter(city == 'Vancouver')
```

Creating Résumé/CVs in R

Installation

If you haven't already, please run the following code:
```
install.packages('vitae')
install.packages('tinytex')
install.packages('tidyverse') OR install.packages('tibble')
```

Check that tinytex is properly installed:
```
tinytex:::is_tinytex()
```

Make sure it returns TRUE, if it returns FALSE please restart R, if still FALSE, run:
```
tinytex::install_tinytex(force=T)
```

A.
Why use R to create your Resume/CV?

1.
Easily Updateable

- **Everything is autoformatted**

- Vitae can be used to automatically pull from websites and databases

- Very straightforward to add new information in

- By using git you can track changes you've made easily

- Hosting on Github allows you to update, download, and edit your code from virtually anywhere

2.
Versatile & Dynamic

- All templates are freely available and it is easy to reformat your Resume/CV completely at any time.

- Export to html document, pdf, etc.

- htmltools and Rmarkdown integration allows for advanced customization

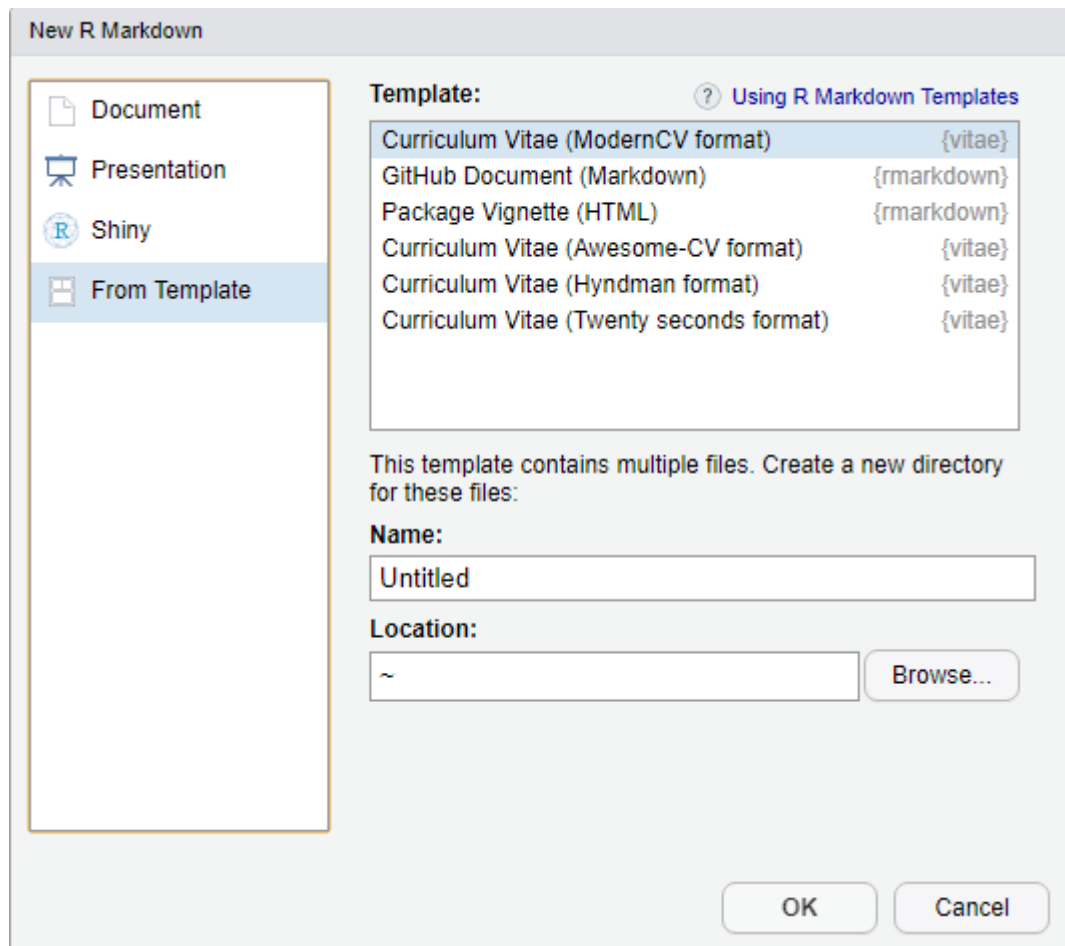- Can easily have inline graphs and visualizations through code chunks

3.
Demonstrate Competency

- **R is an open source coding language.**
- Having your scripts easily accessible helps employers determine where your skill level is at
- Publicly available repository sites are great for this (e.g. Github)
- Coincidentally, hosting your Resume/CV on the same account centralizes your work

B.
Getting Started

New -> R Markdown -> Templates -> Choose vitae template of choice

New R Markdown

Document

Presentation

Shiny

From Template

Template: ? Using R Markdown Templates

Curriculum Vitae (ModernCV format)   {vitae}
GitHub Document (Markdown)   {rmarkdown}
Package Vignette (HTML)   {rmarkdown}
Curriculum Vitae (Awesome-CV format)   {vitae}
Curriculum Vitae (Hyndman format)   {vitae}
Curriculum Vitae (Twenty seconds format)   {vitae}

This template contains multiple files. Create a new directory
for these files:

Name:

Untitled

Location:

~   Browse...

OK   Cancel

R

YAML Header

Used in this package to store common information such as name, contact info, etc. YAML headers in R Markdown kind of act like configuration files, and in this cased used to define our CV template and basic information.

Currently, the YAML header allows these fields to be specified:

- `name` : Your name
- `position` : Your current workplace title or field
- `address` : Your address
- `date` : The current date
- `profilepic` : A local file path to an image
- `www` : Your website address
- `email` : Your email address
- `twitter` : Your twitter handle
- `github` : Your GitHub handle
- `linkedin` : Your LinkedIn username
- `aboutme` : A short description that is included in a template specific location
- `headcolor` : A featured colour for the template

Templates

Marie Curie

PROFESSOR

School of Physics & Chemistry, École Normale Supérieure

+1 22 3333 4444 | ✉ Marie.Curie@ens.fr | 🏠 mariecurie.com | mariecurie | 🔗 mariecurie | 🐦 mariecurie

Some stuff about me

- I poisoned myself doing research.
- I was the first woman to win a Nobel prize
- I was the first person and only woman to win a Nobel prize in two different sciences.

*AwesomeCV

Marie Curie

Professor

Some stuff about me

- I poisoned myself doing research.
- I was the first woman to win a Nobel prize
- I was the first person and only woman to win a Nobel prize in two different sciences.

*ModernCV

Marie Curie
Professor

May 2019

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École Normale Supérieure

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🏠 mariecurie.com

✉ Marie.Curie@ens.fr

🐦 mariecurie

⚙ mariecurie

in mariecurie

About me ——

Marie is a Polish and
naturalized-French physicist and
chemist who conducts pioneering
research on radioactivity.

Some stuff about me

- I poisoned myself doing research.
- I was the first woman to win a Nobel prize
- I was the first person and only woman to win a Nobel prize in two different sciences.

*TwentySeconds

Marie Curie
Professor

Curriculum Vitae
May 2019

- 📍 School of Physics & Chemistry, École Normale Supérieure
- 🏠 mariecurie.com
- 📞 +1 22 3333 4444
- ✉ Marie.Curie@ens.fr
- 🐦 @mariecurie
- mariecurie
- mariecurie

Some stuff about me

➤ I poisoned myself doing research.
➤ I was the first woman to win a Nobel prize
➤ I was the first person and only woman to win a Nobel prize in two different sciences.

*Hyndman

R Markdown
Cheat Sheets

https://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf
https://rmarkdown.rstudio.com/lesson-15.html

(see additional files)

Adding entries

*Standard R Markdown functions can be used to format entries in Vitae, though it comes with two functions for data structured output:

```
> detailed_entries()
> brief_entries()
```

Manual Entries

```r
# Selected talks
```{r talks}
library(tibble)
tibble::tribble(
  ~name, ~event, ~location, ~year,
  "Empowering people with community, software, and peer review", "**RUCK: R Users Conference Korea (Invited Keynote speaker)**", "Seoul, Korea", 2018,
) %>%
  detailed_entries(
    what = name,
    when = year,
    with = event,
    where = location
  )
```

Selected talks

2018 **Empowering people with community, software, and peer review**, *RUCK: R Users Conference Korea (Invited Keynote speaker)*, Seoul, Korea.

Tibbles and Tribbles

Tibbles are type of data structuring in R used for its more refined printing and subsetting, making datasets easier to read and understand

```
The downloaded binary packages are in
        C:\Users\LNC\AppData\Local\Temp\Rtmp8gIau9\downloaded_packages
> mtcars
                    mpg cyl  disp  hp drat    wt  qsec vs am gear carb
Mazda RX4          21.0   6 160.0 110 3.90 2.620 16.46  0  1    4    4
Mazda RX4 Wag      21.0   6 160.0 110 3.90 2.875 17.02  0  1    4    4
Datsun 710         22.8   4 108.0  93 3.85 2.320 18.61  1  1    4    1
Hornet 4 Drive     21.4   6 258.0 110 3.08 3.215 19.44  1  0    3    1
Hornet Sportabout  18.7   8 360.0 175 3.15 3.440 17.02  0  0    3    2
Valiant            18.1   6 225.0 105 2.76 3.460 20.22  1  0    3    1
Duster 360         14.3   8 360.0 245 3.21 3.570 15.84  0  0    3    4
Merc 240D          24.4   4 146.7  62 3.69 3.190 20.00  1  0    4    2
Merc 230           22.8   4 140.8  95 3.92 3.150 22.90  1  0    4    2
Merc 280           19.2   6 167.6 123 3.92 3.440 18.30  1  0    4    4
# A tibble: 32 x 11
     mpg   cyl  disp    hp  drat    wt  qsec    vs    am  gear  carb
   <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
 1  21       6   160   110  3.9   2.62  16.5     0     1     4     4
 2  21       6   160   110  3.9   2.88  17.0     0     1     4     4
 3  22.8     4   108    93  3.85  2.32  18.6     1     1     4     1
 4  21.4     6   258   110  3.08  3.22  19.4     1     0     3     1
 5  18.7     8   360   175  3.15  3.44  17.0     0     0     3     2
 6  18.1     6   225   105  2.76  3.46  20.2     1     0     3     1
 7  14.3     8   360   245  3.21  3.57  15.8     0     0     3     4
 8  24.4     4   147.   62  3.69  3.19  20       1     0     4     2
 9  22.8     4   141.   95  3.92  3.15  22.9     1     0     4     2
10  19.2     6   168.  123  3.92  3.44  18.3     1     0     4     4
```

Tibbles -> Tribbles

Tibbles can be defined by row using the `tribble()` function, allowing us to manually build data structures that can be automatically typeset using vitae

Input:
```
tribble(~cyl, ~hp, ~vs,
        "6", 110, 0)
```

Output:
```
# A tibble: 1 x 3
  cyl       hp     vs
  <chr>  <dbl>  <dbl>
1 6        110      0
```

Using tribble() to add in entries

```r
# Education

```{r}
tribble(
  ~ degree, ~ uni, ~ loc, ~ dates, ~ details,
  "MY DEGREE", "UNIVERSITY", "CITY, COUNTRY", "YEARS", "DETAILS",
  "SECOND DEGREE", "SECOND UNIVERSITY", "CITY, COUNTRY", "YEARS",
   "DETAILS"
) %>%
  detailed_entries(degree, dates, uni, loc, details)
```
```

```
Awards & Achievements
Awards
```{r}
tribble(
  ~ award, ~ from, ~ year,
  "AWARD NAME", "AWARDED BY", "YEAR",
  "SECOND AWARD NAME", "AWARDED BY", "YEAR"
) %>%
  brief_entries(award, year, from)
```
```

# Importing data

- ORCID, Google Scholar, Other Dataset

My attempt to make a CV using the vitae package for R



| | | | |
|---|---|---|---|
| ⓣ **32 commits** | ⑂ **1 branch** | ⬡ **0 releases** | 👥 **1 contributor** |

| Branch: **master** ▾ | New pull request | | Find File | Clone or download ▾ |

| Aariq added talk for UC Davis lab meeting | | Latest commit 1d53142 17 days ago |
|---|---|---|
| 📁 CV | added talk for UC Davis lab meeting | 17 days ago |
| 📁 Committee Update Fall 2018 | installed tinytex, upgraded vitae which caused problems. Created new ... | 3 months ago |
| 📁 Committee Update Fall 2019 | updated my committee update | 28 days ago |
| 📁 Data Science Resume | added doi's to publications | 2 months ago |
| 📁 data | added talk for UC Davis lab meeting | 17 days ago |
| 📄 .gitignore | initial commit | 5 months ago |
| 📄 README.md | downgraded vitae to get a working CV | 2 months ago |
| 📄 awards and grants list.R | committee meeting update | a month ago |
| 📄 awards text.txt | committee meeting update | a month ago |
| 📄 curriculum-vitae.Rproj | changing project name | 5 months ago |

`https://github.com/Aariq/curriculum-vitae`

**curriculum-vitae** / **data** /

Aariq added talk for UC Davis lab meeting                    Latest commit 1d53142 17 days ago

..

| | | |
|---|---|---|
| 📄 My Publications.bib | added sections to main CV | 5 months ago |
| 📄 awards and grants.csv | Still seems broken with development version of vitae | a month ago |
| 📄 eric.png | Completed, but probably needs to change. | 4 months ago |
| 📄 jobs.csv | Still seems broken with development version of vitae | a month ago |
| 📄 presentations.csv | added talk for UC Davis lab meeting | 17 days ago |
| 📄 professional development.csv | bug fixing done? | a month ago |

Search this file...

| | Start | End | What | With | Where |
|---|---|---|---|---|---|
| 1 | | | | | |
| 2 | 1/1/17 | 10/15/18 | NSF grant coordinator | Tufts University | Medford, M |
| 3 | | | | | |
| 4 | | | | | |
| 5 | 6/15/14 | Present | Graduate Researcher | Tufts University | Medford, M |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | 7/1/10 | 12/31/10 | Research Assistant | Colorado Natural Heritage Program | Fort Collins, |
| 10 | | | | | |
| 11 | | | | | |
| 12 | 8/1/07 | 5/15/10 | Graduate Researcher | UIUC | Urbana, IL |

```r
# Education

```{r education}
library(vitae)
edu <- rorcid::orcid_educations("0000-0001-6729-7695")
edu$`0000-0001-6729-7695`$`education-summary` %>%
  detailed_entries(
    what = `role-title`,
    when = glue::glue("{`start-date.year.value`} - {`end-date.year.value`}"),
    with = organization.name,
    where = organization.address.city
  )
```

*using detailed_entries() function with rorcid package

```
# R Packages

```{r rpkgs}
pkgsearch::ps("O'Hara-Wild",size = 100) %>%
  filter(purrr::map_lgl(package_data, ~ grepl("Mitchell O'Hara-Wild", .x$Author, fixed = TRUE))) %>%
  arrange(desc(downloads_last_month)) %>%
  brief_entries(
    what = title,
    when = lubridate::year(date),
    with = description
  )
```

*example of brief_entries() use with pkgsearch package

Bibliographies

```
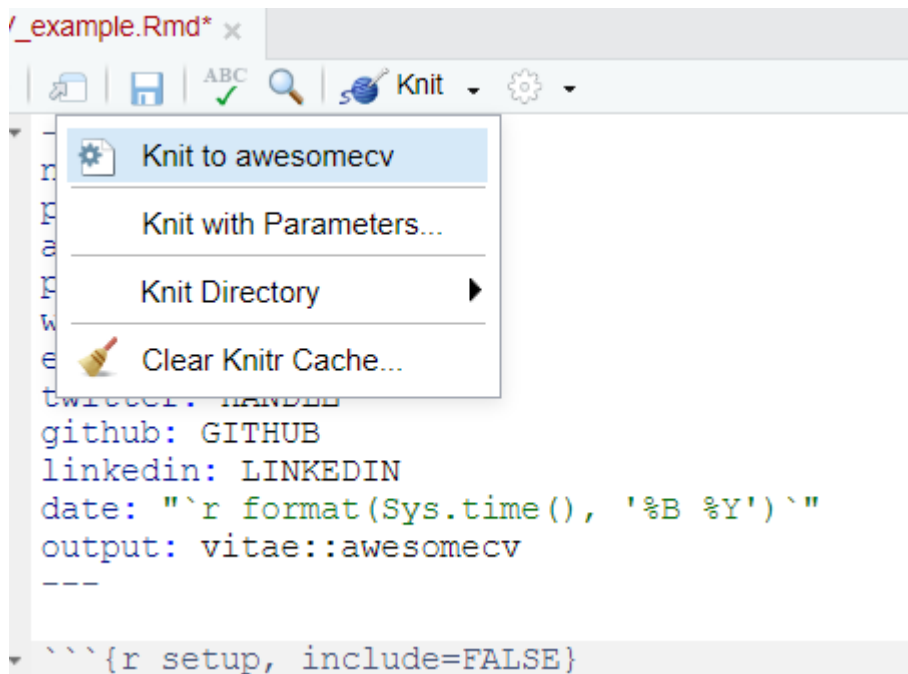```{r publications}
bibliography_entries("publications.bib", "Publications")
```

*import .bib files directly using bibliography_entries()

C. Export

Knit -> Knit to ..


```
/_example.Rmd* ×

    [icons]  Knit ▾  [gear] ▾

    ┌─────────────────────────────────────────┐
    │  [*] Knit to awesomecv                   │
    ├─────────────────────────────────────────┤
    │       Knit with Parameters...            │
    │                                          │
    │       Knit Directory              ▶      │
    │                                          │
    │  [broom] Clear Knitr Cache...            │
    └─────────────────────────────────────────┘
twitter: HANDLE
github: GITHUB
linkedin: LINKEDIN
date: "`r format(Sys.time(), '%B %Y')`"
output: vitae::awesomecv
---

```{r setup, include=FALSE}
```

Links

RESOURCES:

https://cran.r-project.org/web/packages/vitae/index.html

https://github.com/ropenscilabs/vitae

TUTORIALS:

https://mitchelloharawild.com/vitae/

https://ropenscilabs.github.io/vitae/

https://ropensci.org/blog/2019/01/10/vitae/

https://ropenscilabs.github.io/vitae/articles/vitae.html

ADVANCED:

https://ropenscilabs.github.io/vitae/articles/extending.html

Community Talk

What makes R so special?

[Drawn out monologue]

`help(LisaCao, package="Rladies")`

Research Assistant at the Circadian Rhythms and Sleep Neuroscience Lab & Behavioural Neuroendocrinology Lab, SFU Psychology Department.

Workshop facilitator with the SFU Scientific Programming Group & Rladies Co-Organizer.

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