

tarot0624.test

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2024-07-11

library

```
library(jsonlite)
library(tidyverse)

## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.4.4      v purrr  1.0.1
## v tibble  3.1.8      v dplyr  1.1.0
## v tidyr   1.3.0      v stringr 1.5.0
## v readr   2.1.4      v forcats 1.0.0
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x purrr::flatten() masks jsonlite::flatten()
## x dplyr::lag()     masks stats::lag()

library(dplyr)
```

Read JSON

```
rw.json <- fromJSON("/Users/home/Documents/R Studio/tarot.0624/card_data.json")
```

rw.json

```
## $nhits
## [1] 78
##
## $cards
##      type name_short      name  value value_int
## 1  major      ar01  The Magician     1         1
## 2  major      ar02 The High Priestess   2         2
## 3  major      ar03   The Empress     3         3
## 4  major      ar04   The Emperor     4         4
## 5  major      ar05 The Hierophant     5         5
## 6  major      ar06   The Lovers     6         6
## 7  major      ar07   The Chariot     7         7
## 8  major      ar08   Fortitude     8         8
## 9  major      ar09   The Hermit     9         9
## 10 major      ar10 Wheel Of Fortune 10        10
## 11 major      ar11   Justice     11        11
## 12 major      ar12 The Hanged Man 12        12
## 13 major      ar13   Death     13        13
## 14 major      ar14 Temperance 14        14
## 15 major      ar15   The Devil    15        15
```

## 16 major	ar16	The Tower	16	16
## 17 major	ar17	The Star	17	17
## 18 major	ar18	The Moon	18	18
## 19 major	ar19	The Sun	19	19
## 20 major	ar20	The Last Judgment	20	20
## 21 major	ar00	The Fool	ZERO	0
## 22 major	ar21	The World	21	21
## 23 minor	wapa	Page of Wands	page	11
## 24 minor	wakn	Knight of Wands	knight	12
## 25 minor	waqu	Queen of Wands	queen	13
## 26 minor	waki	King of Wands	king	14
## 27 minor	waac	Ace of Wands	ace	1
## 28 minor	wa02	Two of Wands	two	2
## 29 minor	wa03	Three of Wands	three	3
## 30 minor	wa04	Four of Wands	four	4
## 31 minor	wa05	Five of Wands	five	5
## 32 minor	wa06	Six of Wands	six	6
## 33 minor	wa07	Seven of Wands	seven	7
## 34 minor	wa08	Eight of Wands	eight	8
## 35 minor	wa09	Nine of Wands	nine	9
## 36 minor	wa10	Ten of Wands	ten	10
## 37 minor	cupa	Page of Cups	page	11
## 38 minor	cukn	Knight of Cups	knight	12
## 39 minor	cuqu	Queen of Cups	queen	13
## 40 minor	cuki	King of Cups	king	14
## 41 minor	cuac	Ace of Cups	ace	1
## 42 minor	cu02	Two of Cups	two	2
## 43 minor	cu03	Three of Cups	three	3
## 44 minor	cu04	Four of Cups	four	4
## 45 minor	cu05	Five of Cups	five	5
## 46 minor	cu06	Six of Cups	six	6
## 47 minor	cu07	Seven of Cups	seven	7
## 48 minor	cu08	Eight of Cups	eight	8
## 49 minor	cu09	Nine of Cups	nine	9
## 50 minor	cu10	Ten of Cups	ten	10
## 51 minor	pepa	Page of Pentacles	page	11
## 52 minor	pekn	Knight of Pentacles	knight	12
## 53 minor	pequ	Queen of Pentacles	queen	13
## 54 minor	peki	King of Pentacles	king	14
## 55 minor	peac	Ace of Pentacles	ace	1
## 56 minor	pe02	Two of Pentacles	two	2
## 57 minor	pe03	Three of Pentacles	three	3
## 58 minor	pe04	Four of Pentacles	four	4
## 59 minor	pe05	Five of Pentacles	five	5
## 60 minor	pe06	Six of Pentacles	six	6
## 61 minor	pe07	Seven of Pentacles	seven	7
## 62 minor	pe08	Eight of Pentacles	eight	8
## 63 minor	pe09	Nine of Pentacles	nine	9
## 64 minor	pe10	Ten of Pentacles	ten	10
## 65 minor	swpa	Page of Swords	page	11
## 66 minor	swkn	Knight of Swords	knight	12
## 67 minor	swqu	Queen of Swords	queen	13
## 68 minor	swki	King of Swords	king	14
## 69 minor	swac	Ace of Swords	ace	1

## 70 minor	sw02	Two of Swords	two	2
## 71 minor	sw03	Three of Swords	three	3
## 72 minor	sw04	Four of Swords	four	4
## 73 minor	sw05	Five of Swords	five	5
## 74 minor	sw06	Six of Swords	six	6
## 75 minor	sw07	Seven of Swords	seven	7
## 76 minor	sw08	Eight of Swords	eight	8
## 77 minor	sw09	Nine of Swords	nine	9
## 78 minor	sw10	Ten of Swords	ten	10
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A dark, cloaked figure,

Things connected with churches, religions, sects.

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Good, economical, obliging, serviceable. Signifies also--but in c

Apprehen

Lust, cupidity,

The evil side of wealth, bad intelligence; also great riches. In any case it shews prosperity, cor

Voided ambition, vanity, cupi

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She has th

He wears the triple crown and is seated between two pillars, but they are not those of the Temple

With light step, as if earth and its trammels had little power to restrain him, a young man in go

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##	37	cups
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##	61	pentacles
##	62	pentacles
##	63	pentacles
##	64	pentacles
##	65	swords
##	66	swords
##	67	swords
##	68	swords
##	69	swords
##	70	swords
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##	72	swords
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##	74	swords
##	75	swords
##	76	swords
##	77	swords


```
## 78 swords
```

Establish Base

```
#BASE
```

```
rw.df <- rw.json$cards
```

```
name.rwdf <- rw.df%>%  
  select(name, type, everything())
```

```
rw.df
```

##	type	name_short	name	value	value_int
## 1	major	ar01	The Magician	1	1
## 2	major	ar02	The High Priestess	2	2
## 3	major	ar03	The Empress	3	3
## 4	major	ar04	The Emperor	4	4
## 5	major	ar05	The Hierophant	5	5
## 6	major	ar06	The Lovers	6	6
## 7	major	ar07	The Chariot	7	7
## 8	major	ar08	Fortitude	8	8
## 9	major	ar09	The Hermit	9	9
## 10	major	ar10	Wheel Of Fortune	10	10
## 11	major	ar11	Justice	11	11
## 12	major	ar12	The Hanged Man	12	12
## 13	major	ar13	Death	13	13
## 14	major	ar14	Temperance	14	14
## 15	major	ar15	The Devil	15	15
## 16	major	ar16	The Tower	16	16
## 17	major	ar17	The Star	17	17
## 18	major	ar18	The Moon	18	18
## 19	major	ar19	The Sun	19	19
## 20	major	ar20	The Last Judgment	20	20
## 21	major	ar00	The Fool	ZERO	0
## 22	major	ar21	The World	21	21
## 23	minor	wapa	Page of Wands	page	11
## 24	minor	wakn	Knight of Wands	knight	12
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## 26	minor	waki	King of Wands	king	14
## 27	minor	waac	Ace of Wands	ace	1
## 28	minor	wa02	Two of Wands	two	2
## 29	minor	wa03	Three of Wands	three	3
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## 51 minor	pepa	Page of Pentacles	page	11
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A dark, cloaked figure,

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21 With light step, as if earth and its trammels had little power to restrain him, a young man in go
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## 32     wands
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## 34     wands
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## 36     wands
## 37     cups
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## 46     cups
## 47     cups
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## 49      cups
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Creating rw.full which includes reversed card draws

```
names_r <- paste(name.rwdf$name, "Reversed", sep=" ")
name_short_r <- paste(name.rwdf$name_short, "R", sep="")

rw.reversed <- name.rwdf %>%
  select(name, meaning_rev, name_short) %>%
  mutate(name = names_r,
         name_short = name_short_r)

colnames(rw.reversed) <- c('name', 'meaning')

rw.up <- name.rwdf %>%
  select(name, meaning_up, name_short)

colnames(rw.reversed) <- c('name', 'meaning', 'name_short')
colnames(rw.up) <- c('name', 'meaning', 'name_short')

#Merge dfs

rw.full <- rbind(rw.up, rw.reversed)
```


rw.full

##	name
## 1	The Magician
## 2	The High Priestess
## 3	The Empress
## 4	The Emperor
## 5	The Hierophant
## 6	The Lovers
## 7	The Chariot
## 8	Fortitude
## 9	The Hermit
## 10	Wheel Of Fortune
## 11	Justice
## 12	The Hanged Man
## 13	Death
## 14	Temperance
## 15	The Devil
## 16	The Tower
## 17	The Star
## 18	The Moon
## 19	The Sun
## 20	The Last Judgment
## 21	The Fool
## 22	The World
## 23	Page of Wands
## 24	Knight of Wands
## 25	Queen of Wands
## 26	King of Wands
## 27	Ace of Wands
## 28	Two of Wands
## 29	Three of Wands
## 30	Four of Wands
## 31	Five of Wands
## 32	Six of Wands
## 33	Seven of Wands
## 34	Eight of Wands
## 35	Nine of Wands
## 36	Ten of Wands
## 37	Page of Cups
## 38	Knight of Cups
## 39	Queen of Cups
## 40	King of Cups
## 41	Ace of Cups
## 42	Two of Cups
## 43	Three of Cups
## 44	Four of Cups
## 45	Five of Cups
## 46	Six of Cups
## 47	Seven of Cups
## 48	Eight of Cups
## 49	Nine of Cups
## 50	Ten of Cups
## 51	Page of Pentacles

## 52	Knight of Pentacles
## 53	Queen of Pentacles
## 54	King of Pentacles
## 55	Ace of Pentacles
## 56	Two of Pentacles
## 57	Three of Pentacles
## 58	Four of Pentacles
## 59	Five of Pentacles
## 60	Six of Pentacles
## 61	Seven of Pentacles
## 62	Eight of Pentacles
## 63	Nine of Pentacles
## 64	Ten of Pentacles
## 65	Page of Swords
## 66	Knight of Swords
## 67	Queen of Swords
## 68	King of Swords
## 69	Ace of Swords
## 70	Two of Swords
## 71	Three of Swords
## 72	Four of Swords
## 73	Five of Swords
## 74	Six of Swords
## 75	Seven of Swords
## 76	Eight of Swords
## 77	Nine of Swords
## 78	Ten of Swords
## 79	The Magician Reversed
## 80	The High Priestess Reversed
## 81	The Empress Reversed
## 82	The Emperor Reversed
## 83	The Hierophant Reversed
## 84	The Lovers Reversed
## 85	The Chariot Reversed
## 86	Fortitude Reversed
## 87	The Hermit Reversed
## 88	Wheel Of Fortune Reversed
## 89	Justice Reversed
## 90	The Hanged Man Reversed
## 91	Death Reversed
## 92	Temperance Reversed
## 93	The Devil Reversed
## 94	The Tower Reversed
## 95	The Star Reversed
## 96	The Moon Reversed
## 97	The Sun Reversed
## 98	The Last Judgment Reversed
## 99	The Fool Reversed
## 100	The World Reversed
## 101	Page of Wands Reversed
## 102	Knight of Wands Reversed
## 103	Queen of Wands Reversed
## 104	King of Wands Reversed
## 105	Ace of Wands Reversed

106 Two of Wands Reversed
 ## 107 Three of Wands Reversed
 ## 108 Four of Wands Reversed
 ## 109 Five of Wands Reversed
 ## 110 Six of Wands Reversed
 ## 111 Seven of Wands Reversed
 ## 112 Eight of Wands Reversed
 ## 113 Nine of Wands Reversed
 ## 114 Ten of Wands Reversed
 ## 115 Page of Cups Reversed
 ## 116 Knight of Cups Reversed
 ## 117 Queen of Cups Reversed
 ## 118 King of Cups Reversed
 ## 119 Ace of Cups Reversed
 ## 120 Two of Cups Reversed
 ## 121 Three of Cups Reversed
 ## 122 Four of Cups Reversed
 ## 123 Five of Cups Reversed
 ## 124 Six of Cups Reversed
 ## 125 Seven of Cups Reversed
 ## 126 Eight of Cups Reversed
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 ## 128 Ten of Cups Reversed
 ## 129 Page of Pentacles Reversed
 ## 130 Knight of Pentacles Reversed
 ## 131 Queen of Pentacles Reversed
 ## 132 King of Pentacles Reversed
 ## 133 Ace of Pentacles Reversed
 ## 134 Two of Pentacles Reversed
 ## 135 Three of Pentacles Reversed
 ## 136 Four of Pentacles Reversed
 ## 137 Five of Pentacles Reversed
 ## 138 Six of Pentacles Reversed
 ## 139 Seven of Pentacles Reversed
 ## 140 Eight of Pentacles Reversed
 ## 141 Nine of Pentacles Reversed
 ## 142 Ten of Pentacles Reversed
 ## 143 Page of Swords Reversed
 ## 144 Knight of Swords Reversed
 ## 145 Queen of Swords Reversed
 ## 146 King of Swords Reversed
 ## 147 Ace of Swords Reversed
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 ## 149 Three of Swords Reversed
 ## 150 Four of Swords Reversed
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 ## 153 Seven of Swords Reversed
 ## 154 Eight of Swords Reversed
 ## 155 Nine of Swords Reversed
 ## 156 Ten of Swords Reversed
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A dark, cloaked figure

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```
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## 156
##      name_short
## 1      ar01
## 2      ar02
## 3      ar03
## 4      ar04
## 5      ar05
## 6      ar06
## 7      ar07
```

## 8	ar08
## 9	ar09
## 10	ar10
## 11	ar11
## 12	ar12
## 13	ar13
## 14	ar14
## 15	ar15
## 16	ar16
## 17	ar17
## 18	ar18
## 19	ar19
## 20	ar20
## 21	ar00
## 22	ar21
## 23	wapa
## 24	wakn
## 25	waqu
## 26	waki
## 27	waac
## 28	wa02
## 29	wa03
## 30	wa04
## 31	wa05
## 32	wa06
## 33	wa07
## 34	wa08
## 35	wa09
## 36	wa10
## 37	cupa
## 38	cukn
## 39	cuqu
## 40	cuki
## 41	cuac
## 42	cu02
## 43	cu03
## 44	cu04
## 45	cu05
## 46	cu06
## 47	cu07
## 48	cu08
## 49	cu09
## 50	cu10
## 51	pepa
## 52	pekn
## 53	pequ
## 54	peki
## 55	peac
## 56	pe02
## 57	pe03
## 58	pe04
## 59	pe05
## 60	pe06
## 61	pe07

## 62	pe08
## 63	pe09
## 64	pe10
## 65	swpa
## 66	swkn
## 67	swqu
## 68	swki
## 69	swac
## 70	sw02
## 71	sw03
## 72	sw04
## 73	sw05
## 74	sw06
## 75	sw07
## 76	sw08
## 77	sw09
## 78	sw10
## 79	ar01R
## 80	ar02R
## 81	ar03R
## 82	ar04R
## 83	ar05R
## 84	ar06R
## 85	ar07R
## 86	ar08R
## 87	ar09R
## 88	ar10R
## 89	ar11R
## 90	ar12R
## 91	ar13R
## 92	ar14R
## 93	ar15R
## 94	ar16R
## 95	ar17R
## 96	ar18R
## 97	ar19R
## 98	ar20R
## 99	ar00R
## 100	ar21R
## 101	wapaR
## 102	waknR
## 103	waquR
## 104	wakiR
## 105	waacR
## 106	wa02R
## 107	wa03R
## 108	wa04R
## 109	wa05R
## 110	wa06R
## 111	wa07R
## 112	wa08R
## 113	wa09R
## 114	wa10R
## 115	cupaR


```
## 116      cuknR
## 117      cuquR
## 118      cukiR
## 119      cuacR
## 120      cu02R
## 121      cu03R
## 122      cu04R
## 123      cu05R
## 124      cu06R
## 125      cu07R
## 126      cu08R
## 127      cu09R
## 128      cu10R
## 129      pepaR
## 130      peknR
## 131      pequR
## 132      pekiR
## 133      peacR
## 134      pe02R
## 135      pe03R
## 136      pe04R
## 137      pe05R
## 138      pe06R
## 139      pe07R
## 140      pe08R
## 141      pe09R
## 142      pe10R
## 143      swpaR
## 144      swknR
## 145      swquR
## 146      swkiR
## 147      swacR
## 148      sw02R
## 149      sw03R
## 150      sw04R
## 151      sw05R
## 152      sw06R
## 153      sw07R
## 154      sw08R
## 155      sw09R
## 156      sw10R
```

Adding name_short column to use for image retrieval

```
# creating column name_short
name_short <- name.rwdf$name_short
```

Playing with random selector

```
pdraw3 <- slice_sample(rw.full, n=3)

pdraw3
```

```
##              name
## 1      Ace of Swords
```

```
## 2      Two of Pentacles
## 3 The Magician Reversed
##
## 1 Triumph, the excessive degree in everything, conquest, triumph of force. It is a card of great for
## 2      On the one hand it is represented as a card of gaiety, recreation and its connexions
## 3
##   name_short
## 1      swac
## 2      pe02
## 3      ar01R
```

Creating random selector function for k cards.

```
k_cardpull <- function(deck, k){
  current_pull <- data.frame(slice_sample(deck ,n = k))
  return(current_pull)
}
```

```
# calling two variables
```

```
test_var <- k_cardpull(rw.full, k=3)
```

```
# calling two variables
```

```
test_var[1,1]
```

```
## [1] "Ace of Wands Reversed"
```

```
test_var[1,2]
```

```
## [1] "Fall, decadence, ruin, perdition, to perish also a certain clouded joy."
```

```
# successfully called the name and meaning columns
# now considering how to best process it in shiny
# renderText to output dialogue, etc.
```

```
# name.past <- test_var[1,1]
# meaning.past <- test_var[1,2]
# script.past <-
```

```
# name.present
# name.future
#
# meaning.past
# meaning.present
# meaning.future
#
# script.past
# script.present
# script.future
```

```
# test name_split
```

```
names_split <- function(deck){
```

```
    return(deck[,1])
  }

test_names <- names_split(test_var)

test_names[1]

## [1] "Ace of Wands Reversed"

test_names[2]

## [1] "Seven of Wands"

test_names[3]

## [1] "Six of Wands"
```

Building out inner tarot reading elements. Creating containers for each card. Functions to create the output for each card, etc